

## **THE RAINBOW Text Searchable Index**

THE RAINBOW was arguably the single most important periodical for owners of the Tandy Color Computer. It was the magazine that everyone read and referenced, and it is the magazine that nearly every serious CoCoNut has collected. Unfortunately, for a variety of reasons THE RAINBOW has lacked a widely available index of its articles. This situation continues even though scans of THE RAINBOW issues have begun to appear on relevant Internet sites.

Fortunately, THE RAINBOW itself made a habit of printing a thorough index on a yearly basis in its July issue. This practice started in July of 1984 with a "catch-up" index that covered July 1981 through June 1984, and continued through July 1992. Each of those printed indexes is reproduced here. Unfortunately, the last issue of THE RAINBOW in May 1993 did not include a final index. Consequently, the Table of Contents from each of the last ten issues is reproduced at the end of this document.

This document was compiled with a motivation not only to improve access to the knowledge contained within those old magazines, but also to preserve the spirit of THE RAINBOW and of that early period of computing history of which it was part. May this index provide a guide to rediscovery!

This text searchable index is useful but far from perfect and is incomplete.

Scans for July 1992 to May 1993 are inadequate for OCR which is inherently imperfect.

# THREE YEARS OF RAINBOW

An Index to the Articles, Reviews and Authors Appearing in THE RAINBOW from July 1981 through June 1984

> Compiled and Edited by Leslie A. Foster

> > © 1984 Falsoft Inc.

### **ASSEMBLY LANGUAGE**

- Downard, Dan. "Getting started with machine lanquage." (1984, January) 56
- Eichstaedt, Pete. "EDTASM minus?" (1984, March)
- Lewandowski, Dennis S. "Assembly corner: A look at editor/assemblers." (1983, February) 194 Lewandowski, Dennis S. "Assembly corner: Assem-
- bly language makes good graphics easy." (1982, October) 92
- Lewandowski, Dennis S. "Assembly corner: Beyond the 'Vaders." (1983, March) 218
- Lewandowski, Dennis S. "Assembly corner: Down to business with this ML graphics game." (1982, No-
- Lewandowski, Dennis S. "Assembly corner: Let's blast those 'vaders." (1982, December) 106
  Lewandowski, Dennis S. "Assembly corner: Let's soak up some assembly." (1982, July) 38
  Lewandowski, Dennis S. "Assembly corner: Ques-
- tions Questions and some answers for everyone." (1982, September) 73
- Lewandowski, Dennis S. "Assembly corner: Write an ML program to handle BASIC chores." (1983, April) 98
- Lewandowski, Dennis S. "Assembly corner: prob-
- lems?" (1984, February) 281
  Lewandowski, Dennis S. "Assembly corner: those 'strange-looking' listings." (1984, January) 222
  Lewandowski, Dennis S. "Assembly corner." (1982,
- Lewandowski, Dennis S. "Assembly corner." (1982, May) 47
- Lewandowski, Dennis S. "Assembly corner." (1982,
- Lewandowski, Dennis S. "Assembly corner." (1982, August) 22
- Lewandowski, Dennis S. "Hardcopy revisited: position independence and a minor debugging." (1984, March) 123
- Roslund, Charles J. "A mini-monitor for machine language use." (1982, October) 38
- Roslund, Charles J. "ROM calls the easy way." (1983, July) 18
- Schrag, Roger. "An FCC fix for EDTASM." (1984, March: 156
- Schrag, Roger. "Patching EDTASM to run on Disk."
- (1982, December) 29 Schrag, Roger. "Patching the patch: EDTASM to disk revealed." (1983, April) 194
- Schrag, Roger. "Superpatch for EDTASM." (1983, September) 66
- White, Richard A. "Marrying machine language to Basic." (1984, May) 31

### **BUSINESS**

- Carson, Edward R. "The financial analyst." (1984, March) 50
- Dettman, Harvey. "Markup and profit: two for the money." (1984, March) 20
- Ericson, Robert W "Building Spectaculator shells." (1983, April) 74
- Garrett, Ron. "Set up for accounts receivable." (1982, October) 118
- Garrett, Ron. "Want some money? Send out a statement." (1982, November) 98
- Hill, Eddie. "Costcalc: The Manufacturer's cost accountant." (1984, *March*) 98
- Knight, Glenn B. "Power of attorney." (1983, March)
- Mitchell, Dennis E. "Business software and the Color Computer." (1984, *March*) 28
- Nelson, Tom. "Starting your own computer business." (1984, March) 212
- Peppenhorst, Stan. "Make authoritative decisions with this situational model." (1983, February) 132
- Posner, Judd. "A small business accounting sys-(1982, November) 108 tem."
- Sherrill. Sam. "The feasibility of Color Computerbased survey research." (1984, April) 20
- Weide, Dennis H. "Turn your computer into a cash register." (1983, August) 138

### COMMUNICATIONS

- "The bulletin boards." (1983, November) 325
- Davenport, Alan. "Master messenger." (1983, November) 42
- Downard, Dan. "Smartsforadumb terminal." (1983, March) 160
- Dudgeon, Jim: and Dudgeon, Michael. "Videotex to disk." (1982, February) 1-\
- Hardy, Harry. "Data communications and your Color Computer." (1983, *April*) 78
- Hardy, Harry. "Data communications and your Color Computer." (1983, *June*) 240
- Hardy, Harry. An introduction to synchronous data transmission." (1983, *November*) 173 Lester, Lane P. "Supreme Sysop and magnificent
- modem monster." (1983, November) 20
- Manning, Ric. "Teach CoCo to dial up some fun." (1983, November) 122
- Mir, Jorge. "An automatic phone dialer for Radio Shack's Modem II." (1983, November) 53
- Mir, Jorge. "Downloading from Videotex." (1987, November) 9
- Rosen, Bob. "Communicating with your Color Computer." (1983, *November*) 192
  Trevor, Alexander B. "The other end of the phone."
- (1983, *November*) 288 White, Richard A. "Developing a program." (1983,
- June:174
- White, Richard A. "Wrapping up our communications word processor." (1983, July) 163

### DISK

- Charney, Mark. "Track down errors with this disk fixer." (1984, March) 196
- Davidson, Kevin. "The demystification of ML on disk." (1983, December) 180
- Delperdang, Ralph. "Lazy man's disk directory." (1983, December) 216
- Derringer, Dennis. "A change of address." (1984, May) 38
- DiStefano, Tony. "Build a 'Y' adapter for your disk controller." (1983, July) 176
- "Disc savem." (1987, December) 1
- "Disk file conversions." (1982, *January*) 8
  Falk, Lawrence C. "A tale of two discs." (1987, December) 3
- "Hide that disk directory." (1983, Hardy, Harry. October) 46
- Hefter, Martin. "Living with one disk." (1983, April)
- Hefter, Melvin. "Getting more from the disk directory." (1983, July) 152
- Hoffman, Paul S. "Converting Micropaintertodisk." (1984, March) 132
- Lewandowski, Dennis S. "Assembly corner: dabbling with disk." (1983, October) 190
- "Machine language and your disk drive." (1982, January) 16
- Mir, Jorge. "Make an index for your disc." (1982, February) 23
- Mir, Jorge. "Poking memory with a disc." (1982, March) 29
- Plog, Michael." Hard copy your diskette listings with style." (1983, March) 126
- Roslund, Charles J. "Disk directory printout." (1982, March) 31
- Rutledge, E. P. "Disk file helps you keep track of
- everything." (1982, July) 30 Schrag, Roger. "Disk operator reveals powerful new
- routines." (1983, July) 71 Schrag, Roger. "The limousine utility: a tape to disk
- transfer vehicle." (1984, January) 48
- Schrag, Roger. "A more powerful disk backup utility." (1983, December; 28
- Selig, Paul. "Keeping track with quick find." (1983,
- December) 162
  Selig, Paul. "Three disk utilities give you filing help." (1982, December) 110
- Speed up your disk." (1982, June) 66
- Stephens, Matt. "Disksort." (1983, December) 64 Szlucha, David; and Szlucha, Thomas. "A better method for washing your disks." (1983, November) 308
- Szlucha, Thomas F. "How to 'zonk proof your disk directories." (1983, JuneJ 84
- 'Tandy disc system is now available." (1987, November) 1
- "Tandy disc-o." (1981, August) 5

### **DRAGON COMPUTER**

- Liddil, Bob. "Joe journalist interviews a Dragon." (1983, December) 312
- Rosen, Bob. "The Dragon is coming!" (1983, September) 113
- Scerbo, Fred B. "Enter the Dragon." (1983, December) 153

### **EDUCATION**

- Bardus, Sharon. "The young, the old and Color Logo." (1983, October) 210

  Bell, Bruce K. "This quiz could be solution to early
- math problems." (1983, September) 152
- Benoit, Gary. "Elements." (1983, September) 34 Betts, R. Bartley. "Work on your grammar." (1983,
- February) 48 Blyn, Steve. "Avoiding the avalanche with teacher's aid." (1983, December) 294
- "But, what did I get wrong?" (1983, Blyn, Steve. March; 152
- Blyn, Steve. "Can it recite the 'pledge of allegiance?'" (1983, November) 314
- Blyn, Steve. "Design programs to help children learn." (1982. July) 18
- Blyn, Steve. "Exercise your strings with this vowel checker." (1983, *April*) 96
- Blyn, Steve. "Finding areas and perimeters in hires." (1984, *April*) 43
- Blyn, Steve. "Good reinforcement means you can't frown at me." (1982, *August*) 41 Blyn, Steve. "Guess the missing number." (1984,
- June)121
- Blyn, Steve. "Killing flies with the friendly tool." (1984, March) 121
- Blyn, Steve. "Learning to create forms of sub-
- stance." (1983, July) 130 Blyn, Steve. "Let your computer assist in concept
- development." (1983, August; 152 Blyn, Steve. "Make the difficulty level variable." (1982, September) 35
- Blyn, Steve. "Making a bar graph of your child's test scores." (1983, June) 28
- Blyn, Steve. "One graphics screen is worth a thousand alphanumeric characters." (1984, February)
- Blyn, Steve. "A personalized certificate can reward young computerists." (1983, *October*) 106
  Blyn, Steve. "Programming a computer illiterate school." (1983, *September*) 50
- Blyn, Steve. "Proper grammar important in educational programs." (1982, *October*) 26
- Blyn, Steve. "Random often needs a helping hand." (1983, February) 14
- Blyn, Steve. "Reviving a nearly lost art with 'little letter writer.'" (1984, *January*) 87
  Blyn, Steve. "Sustain children's interest by expand-
- ing relevance." (1982, December) 56
- Blyn, Steve. "Swinging with baseball interest can aid educators." (1984, May) 190
  Blyn, Steve." 'Userfriendly' requires friendly users."
- (1983, *January*) 92 Crooks, Robert L. "A common denominator for math
- study and ease." (1983, *February*) 102

  Davis, Susan P. "Fonehome-E.T. could have used
- this one." (1982, November) 82
- Dersheimer, Richard. "Here's the answer but what was the question?" (1984, January) 98 Faessler, Chuck. "Pop quiz: Name the 50 capitals."
- (1983, April) 34 Garrett, Norman. "Random lab scheduler: utility for frustrated teachers." (1983, September) 18
- German, J. D. "Put your keyboard on the screen." (1984, March) 128
- Gray, Thomas. "Fast, fun and educational-that's speedmath." (1983, December) 124
- Gray, Thomas. "Measuring your inches: not just a fraction of knowledge." (1983, September) 122 Hooper, David. "An educational U.S." (1982, March)
- Hooper, David. "Mathpal will teach youngsters." (1983, January) 111
- Kheriaty, Larry. "Logo, Pilot and computer literacy." (1983, September) 160
- Kimmeiman, Paul. "CoCo and the educational administrator." (1982, November) 105

Kimmelman, Paul. "Education and the Color Computer." (1983, April) 224

Kimmelman, Paul. "Education and the Color Computer." (1983, June) 232

Kimmelman, Paul. "Furniture for the classroom computer." (1983, March) 24

Kimmelman, Paul; and Macali, David. "CoCo as an educational bargain." (1983, February) 124
Kimmelman, Paul; and Macali, David. "Establishing

a CoCo educational network." (1983, Januaryf\54

Kimmelman, Paul; and Macali, David. "Software in the classroom." (1982, December) 146 Konecky, Larry. "Let Bibliography file help with that

term paper!" (1983, September) 252

Kretschmer, J. C. "Estimating reading difficulty

sentence-by-sentence." (1983, June) 148 Lester, Lane P. "An electronic gradebook." (1982, September) 8

Lester, Lane P. "Illustrating lectures with graphics." (1983, January) 136

Luetke, Paul N. "Grade averaging could be handy teacher's aid." (1983, September) 228

Mir, Jorge. "TESTEM will help you prepare for final exams." (1982, May) 17

Myers, Paul Wesley. "Four for fun. (1984, January) 210

Peppenhorst, Stan. "Statistics in the classroom: mean and standard deviation." C7983, October) 144

Pesha, Ronald. "Spelling practice." (1983, March) 198

Peterson, Dale. "Greetings from Uncle Bert." (1983, July) 285

Peterson, Dale. "Greetings from Uncle Bert." (1983, August) 189

Peterson, Dale. "Greetings from Uncle Bert." (1983, September) 268

Peterson, Dale. "Greetings from Uncle Bert." (1983, October: 215

Peterson, Dale. "Greetings from Uncle Bert." (1983, November) 300

Peterson, Dale. "Greetings from Uncle Bert." (1983, December) 143

Peterson, Dale. "Greetings from Uncle Bert." (1984, January) 302

Peterson, Dale. "Greetings from Uncle Bert." (1984, February) 300

Peterson, Dale. "Greetings from Uncle Bert." (1984, March) 206

Peterson, Dale. "Greetings from Uncle Bert." (1984,

April) 202 Peterson, Dale. "Greetings from Uncle Bert." (1984, May: 185

Peterson, Dale. "Greetings from Uncle Bert." (1984, June)123

Plaxton, John. "Script provides remedial help in reading and spelling." (1983, *December*) 194 Plog, Michael. "Changes in the micro revolution."

(1983, November; 115

Plog, Michael. "Computer consortia consolidations." (1984, March; 185 Plog, Michael. "Computers in education: projecting

the future through research." (1984, June) 51 Plog, Michael "Education outside the school." (1984, April) 129

Plog, Michael. "Examining some educational uses of the Color Computer." (1983, August) 194

Plog, Michael. "Microcomputers: bigger isn't always better." (1984, February) 62

Plog, Michael. "Networking for better software evaluation." (1983, September) 84

Plog, Michael. "Of what value are traditional skills in a rapidly changing culture?" (1984, January) 68

Plog, Michael. "Out of diversity, an evolving curriculum." (1984, May) 52

Plog, Michael. "Putting a little history in yourfuture." (1983, December) 166

Plog, Michael. "What is computer literacy?" (1983, October) 66

Pyne, Jeff. "Measure for measure." (1983, September) 226

Rumbant, C. A. "A graphic look at basic trigonome-

try." (1983, January) 175 Saito, Fran; and Albrecht, Bob. "A joyful family

experience." (1984, February) 132 Saito, Fran; and Albrecht, Bob. "Mining Rainbow

gold." (1984, March) 61

Saito, Fran ; and Albrecht, Bob. "Play together, stay together." (1984, *June*) 198

Saito, Fran; and Albrecht, Bob. "Through ancient caves we wended." (1984, April) 162

Saito, Fran; and Albrecht, Bob. "Watching important program evaluators—the children." (1984, May) 60 Scerbo, Fred B. "The screen quizzer." (1984, April)

Tchudi, Stephen C. "Using the Color Computer to develop composition topics." (1983, September) 130

"Teacher's helper, student's friend." (1987, September) 4

Wells, Geoff. "A new way to make words is here." (1982, September) 95

### **GAMES**

"Adventure report." (1982, December) 61

Albrecht, Bob. "The carefully contrived superhero." (1983, October) 170

Albrecht, Bob. "Creating characters for fun and adventure." (1983, February) 26

Albrecht, Bob. "Design your own champion." (1983, November) 140

Albrecht, Bob. "Roll those bones (and other characteristics)." (1983. March) 12

Albrecht, Bob; and Firedrake, George. "Aloysious and the seven characteristics." (1984, March) 138 Albrecht, Bob; and Firedrake, George. "Creating

random name files." (1984, *May*) 113
Albrecht, Bob; and Firedrake, George. "Expanding your character file programs." (1983, July) 248

Albrecht, Bob; and Firedrake, George. "For these three friends the outcome's a bit dicey." (1982, December) 168

Albrecht, Bob; and Firedrake, George. "From tetrato icosahedron, let the good times roll." (1983,

Albrecht, Bob; and Firedrake, George. "Inputting your role playing characters." (1984, February)

Albrecht, Bob; and Firedrake, George. "Let's venture into the world of let's pretend." (1982, September) 38

Albrecht, Bob : and Firedrake, George, "The mysterious and unpredictable RND." (1982, November)

Albrecht, Bob; and Firedrake, George. "The mysterious and unpredictable RND." (1984, April) 115 Albrecht, Bob; and Firedrake, George. "RND command is one secret to good games." (1982,

October) 46 Albrecht, Bob; and Firedrake, George. "Who is this one called CVCVC?" (1983, June) 234

"Are you psychotic.. psychic." (1987, September) 9
"Aye, aye, aye — my sky eye." (1982, March) 4

Bain, Scott L. "An a-mazing game for your fun." (1982, April) 7

"Battle the alpine aliens." (1982, August) 34 Becker, Rob. "First Saturday in May." (1983, April) 28

Beistel, Phillip. "Doin' the hi-res shuffle." (1983, July) 196

Bennett, Joseph E.; and Laidlaw, C. E. "Parachute or free fall?" (1982, December) 76

Bodiroga, George. "A day at the races." (1984, April)

Carter, Gary L. "Basketball." (1984, February) 161 Clark, Gregory. "The amazing adventures of Kar-(1984, February) 91

Clark, Gregory. "Sir Randolf of the Moors." (1983, January) 26

Clark, Gregory. "Twenty odd-ball screen routines." (1984, January) 202

Clift, Simon. "What is your compatibility rating?" (1984, February) 292

Craig, Jeff. "The crown of Merro." (1984, February) 27

Curtis, H. Allen. "A challenging word game." (1984, June)138

Delbourgo, Robert. "A challenge for psychics and sleuths." (1983, August) 20

Delbourgo, T.; and Delbourgo, R. "Consequences from downunder." (1983, March) 110

Drouillard, Dan. "Craps...as it's played at the CoCo casino." (1984, April) 67

Ebbert, Jim. "Can you protect Starbase Alpha?" (1982, November; 101

Firedrake, George; and Albrecht, Bob. "Let's try fantasy role playing games." (1983, April) 226

"For its - Gin, Gin, Gin." (1987, October) 9 Forsha, Jerry D. "We want our Q-nerd." (1984, May;

Fraysse, John W, Jr. "Homing in on a guided missile

system." (1983, March) 154

Fraysse, John W, Jr. "Let's go sailing." (1982, October) 76

Fraysse, John W., Jr. "Marathon madness." (1983, October) 18

Fraysse, John W, Jr. "Rainbow roach." (1983, June)

Furman, Barry R. "The home slot machine." (1984, April) 131

Furman, Barry R. "Hi, there! I'm your friendly acey deucey dealer." (1984, *January*) 26

"Get ready to do battle near laser star." (1987, Sep-

"Get that gobbler!" (1982, January) 10

Goldberg, Morton. "Marquee de fin." (1983, February) 204

Griffin, Jim. "Space shutter." (1983, October) 68 Hadley, Joe. "Simply load and...Bingo! Instant fun."

(1984, April) 89 Hall, Kenneth. "Place your bet!" (1984, April) 195 Hall, Mike. "Racing the clock with trailin' trail."

(1983, August) 35 Hasenstaub, Theodore P. "Get cracking." (1983, Au-

aust) 290

"Helicopter battleground for you." (1987, October) 8

Hine, Al. "Race the track." (1982, September) 60 Hooper, David. "Here come the vipers." (1987, December) 5

Hryzak, Wolfgang. "International ping-pong." (1982, September)41

Husak, Charles. "The little runner." (1984, March) 170

Jaworski, John J. "A dungeon master's character

sheet." (1984, *March*) 190 "Julie's song — " (1982, *April*) 36

Kelley, Robert. "Towers of Hanoi." (1982, November)

Keyes, Michael J. "Cheat at adventure." (1983, February; 99

Kincade, Steve. "Try your hand at blackjack." (1984, April) 97

Knolhoff, Mike. "The CoCo open." (1984, February)

Kohn, Joseph. "A colorful game of draw: That's color poker." (1983, April) 162

Kohn, Joseph. "Try your hand at color blackjack." (1983, October: 134

Kolar, Joseph. "Answer the Question 'what happens if...' " (1983, *June*) 255 L'Hommedieu, Douglas C. "Hang 'em up." (1983,

February) 40 Laake, Josef A. "The laserworm and the firefly."

(1983, November) 220 Lai, Stephen. "Boggle clone demands concentra-

tion." (1983, September) 60 Lai, Stephen. "Puzzle sticks and picture maker."

(1984, January) 184 Liddil, Bob. "Adventuring with style." (1984, Febru-

ary) 205 Liddil, Bob. "Four books from dragonland." (1984, Marc/?; 143

Liddil, Bob. "Keys to creating winning adventures." (1984, February) 52

"Make your kids like the quiz kids." (1987, September) 14

Matice, Norman. "Gone fishing." (1984, January) 158 Mir, Jorge. "Advmaker makes adventures." (1982,

August) 47 Mir, Jorge. "Let's go on a simple Rainbow adven-

ture." (1982, July) 9 Montes, Martin S. "Losing this action 'Pac-ed' game is a real 'pill." (1984, January) 70

Montes, Martin S. "Supply water to thirsty urbanites with PIPELINE." (1983, *June*) 258

Nannen, Jason. "A most dangerous mission." (1984, February)64

Nolan, Bill. "A complete character generator." (1984, February) 178

Nolan, Bill. "And now, Igor, the envelope, please." (1984 March) 125

Nolan, Bill. "The benefits of role playing are no fantasy." (1984, January) 34

Nolan, Bill. "Blow by blow account of an emerging combat system." (1983, *September*) 192

Nolan, Bill. "Computer supported combat is no fantasy." (1983, November) 168

Nolan, Bill. "Continuing your character record file." (1983, February) 179

Nolan, Bill, "Create a character file program," (1983. January) 15

Nolan, Bill. "Create character files with this 'finished' program." (1983, March) 202 Nolan, Bill. "A database manager for dragons."

(1984, May) 142

Nolan, Bill. "Demons in the dungeon? Let's see them bite." (1982, September) 22

Nolan, Bill. "Details of a magic system (and a mons-

ter contest)." (1983, *December*) 228 Nolan, Bill. "Development of a new fantasy game." (1983, October) 152

Nolan, Bill. "Dragons are nice folks, too - almost all 1440 of them!" (1982, August) 62

Nolan, Bill. "Fantasy games." (1982, July) 27

Nolan, Bill. "Here some new FRP routines." (1982, May) 23

Nolan, Bill. "Keeping the loathsome in line (better monster management)." (1983, April) 170

Nolan, Bill. "Make monstersfrom silicon - and use them here." (1982, October) 106

Nolan, Bill. "Now a whole bag of dice." (1982, June) 38

Nolan, Bill. "Pressed for time? Paint a dragon!" (1982, December) 50

Nolan, Bill. "Programming the combat system."

(1983, August) 170 Nolan, Bill. "Ready for combat? Draw your crossbow." (1983, *July*) 178

Nolan, Bill. "Slay your turkey with these 'duel' pro-

grams." (1982, November) 67 Nolan, Bill. "Using DATA lines to cache your crea-

tures." (1983, *June*)124 O'Donnell, Timothy. "Search for words—any

words." (1982, December) 130 Ostrer, Ken. "Treasures of the Enrakian Empire."

(1983, August) 122 Phillips, Daniel W. "Dots: A change of pace from

outer space." (1983, July) 83

Pollock, Ward. "The high adventure of para-jumper." (1983, December) 176

Popovich, Michael. "The memory game." (1984, January) 116 Popovich, Michael. "The fun connection." (1984,

June)156 Poppe, T. Robert. "Stunt pilot." (1984, March) 67

Portela, Henry. "How is how." (1983, Wovember) 204 Preble, Lawrence D. "Stay alive at Outpost Five." (1983. February) 34

Reed, Jim. "Having an adventure with adventure." (1983, January) 20

Reed, Jim. "Once again with adventure." (1983, February) 200

Reid, Chris. "CoCo Crypto-a three-star puzzler." (1983, June) 132

Remini, Susan. "Missile barrage." (1983, August)

Ricketts, Gregory. "Dungeon adventure." (1983, January) 50 Ritchie, Gary. "No treads on me, please!" (1984,

January) 173 Robbins, Joel. "Talk about your chopped down

Ford." (1983, August) 50 Scerbo, Fred. "A 3-D type game to try." (1982, No-

vember) 8

Scerbo, Fred; Doppert, Robert; and Haggerty, Dale. 'Swamp Wars can win your croix de lillypad." (1982, June) 49

Scerbo, Fred B. "Snail invaders." (1982, February)

Scerbo, Fred B. "Snail's revenge." (1983, July) 138 Schechter, Gerry. "Roulette: going 'round with lady luck." (1984, April) 25

Schimdt, Jim. "Memory: Brain strain with schmaltz." (1983, July) 202

Schneider, Harold. "Spinning fortune's wheel." (1984, April) 138

Shelf, Carl. "Sub at 30 fathoms." (1983, March) 144 Shorter, Ted. "Ice lander can be a slick run." (1982,

Shuffle off to cards — of course." (1982, January) 2 Smith, Randall. "Whatzit? Its a scrambled word game." (1983, *July*) 124

Snyder, Stephanie; and Snyder, Bill. "A Hanukkah gift for you." (1983, December) 212

Stewart, David A. "Can you deactivate the bomb?" (1983, March) 136

Sweat, David. "Get into the Hobbit of playing." (1983, January) 122

Tapanila, Glen R. "Let's get trivial." (1983, December) 89

"There is no escape from this space debris." (1982, July) 42

Thorsvik, Doug. "Case of the overblown heist." (1984, May) 195

Tilenius, Eric W. "Creating the graphic adventure." (1984, March) 34

Tilenius, Eric W "Creating the well-blended adventure." (1984, February) 34

Tilenius, Eric W "The icing on the cake." (1984, April) 34

Urban, John L. "Creating fantasy game characters with strength and wisdom." (1982, January) 6 Urban, John L. "Generating a FRP character." (1982,

February) 18 Urban, John L. "Making CoCo help as an FRP referee." (1982, March) 32

Urban, John L. "Random dice methods compared and illustrated." (1982, May) 44

Urban, John L. "Random numbers make easy fun." (1987, December) 6

Walrath, Del. "Let's learn how to do a number picking game." (1982, September) 15

"Watch out for the wild, wild web." (1982, April) 37 Wells, Geoff. "And now - haunted house adventure." (1983, February) 64

Wells, Geoff. "Go adventuring with GAPAD." (1982, December) 98

Wells, Geoff. "Go adventuring with GAPAD."(1983, January) 18

Wells, Geoff. "Handy math drill." (1982, September) 82

Wells, Geoff. "Once more we'll go rowing." (1982, November) 33

White, Richard A. "Give us more vipers!" (1982, February) 26

Wick, Gary. "Who wrote the Rainbow's first trivia game?" (1983, June) 16

"Zelda and her days." (1987, December) 2

### **GENERAL**

"About the Rainbow seal." (1982, August) 33 Albrecht, Bob. "A beginner's guide to cassette files." (1984, January) MO

"Basketball statskeeper will have them bouncing along." (1987, November) 3

Bauter, Curtis J. "CoCo cabinet." (1983, April) 36 Becker, Barry E. "End those sticky relay blues." (1983, August) 81

Bennett, Joseph E. "Build a desk for your CoCo." (1982 March) 16

Bennett, Joseph E. "Chart your flow - and watch 'em go." (1982, February) 14

"Celebrating our 2nd 'record' year." (1983, July) 146 Davis, Gary A.; and Davis, Susan. "Try this helpful number-base conversion quiz." (1984, January)

Davis, Susan P. "CoCo widows." (1984, May) 119 Davis, Susan P. "The computing female." (1984, June)174

Davis, Susan P. "Women and the Color Computer." (1984, April) 215

Delbourgo, R. T. "Who goes on Random Walks." (1983, January) 130

DiStef ano, Tony. "A hardware hacker cleans house." (1983, October) 130

DiStefano, Tony. "How to reduce that RFI on your monitor." (1983, April) 146

DiStefano, Tony. "Memories of the PROM." (1983,

June) 72 DiStefano, Tony. "Trouble shooter makes the pro-

gram pak connection." (1984, February) 330 Dollberg, Donald D. "What are those device

numbers for?" (1984, *January*) 163 Downard, Dan. "The new 64K CoCo." (1983, September) 236

Fernold, John. "How healthy are you?" (1982, November) 124

Foster, Leslie A. "Two years of Rainbow." (1983,

Hasenstaub, Theodore P. "Build a light pen." (1983,

Hogg, Frank. "For the CPU of choice: go CoCo." (1984, February) 332

"How pretty it is to print pretty." (1982, February) 21 Hyre, Leonard. "Let CoCo Type help you tighten up that typing." (1984, *January*) 106

James, Brian. "80C report from West Coast Computer Faire." (1982, May) 20

Kolar, Joseph. "Create your own tutorial." (1983, October) 182

Kolar, Joseph. "Creating a test for the computer widow." (1984, *June*) 58

Kolar, Joseph. "Debugging can be fun." (1983, *De*cember) 138 Kolar, Joseph. "Home grown hints and evil eye."

(1983, November) 306 Kolar, Joseph. "Learning through program dissec-

tion." (1983, *July*) 148 Kolar, Joseph. "Let's clean up that text screen." (1983, September) 278

Kolar, Joseph. "Let's share some of your useful hints." (1983, April) 200

Kolar, Joseph. "Lets take 'Basic' training." (1982,

December) 37 Kolar, Joseph. "More organization: create a tape reg-

ister." (1983, March) 132 Kolar, Joseph. "Program appending for fun and

profit." (1984, April) 182 Kolar, Joseph. "Taking Basic training." (1983, Janu-

ary) 10 Kolar, Joseph. "This one's a piece of cake." (1984,

May) 116 Kolar, Joseph. "Tidying up your text." (1983, Au-

aust) 116

Kolar, Joseph. "What a difference some A's make." (1984, *March*) 149 Krebs, Ron. "De-mystifying the PclearO." (1983,

September) 112

Kurowsky, Suzanne. "CoCo clubs." (1983, August)

Lengyel, David. "Half life of nuclear decay." (1983, March) 34

Liddil, Bob. "The magic software machine." (1984, January) 218

Macali, David. "Peripherals for the Color Computer 'joystick dilemma.'" (1983, June) 196

Mickle, Dan. "Predicting fallout." (1983, March) 40 Morgan, Alan J. "How much memory?" (1982, January) 19

Nelson, Tom. "Contract basics for the computer user." (1983, *August*) 226

Nelson, Tom. "Copyrighting your software part 1." (1983 September) 28

Nelson, Tom. "Copyrighting your software part 2." (1983, October) 292 Nelson, Tom. "Copyrighting your software part 3."

(1983, *November*) 212 Nelson, Tom. "Copyrighting your software part 4."

(1983, December) 220 Nelson, Tom. "Got a program? Get a market!" (1983, June)164

Nelson, Tom. "Legal discussion on the Color Computer." (1983, April) 56

Nelson, Tom. "The right to know: it's also an obligation." (1984, January) 166

Nelson, Tom. "The secrets of successful software submissions." (1983, *July*) 36

Nelson, Tom. "Starting your own computer business—the first step." (1984, *April*) 156

Nielsen, Linda. "Understanding probability will improve your odds." (1983, *July*) 226 Nolan, Bill. "In pursuit of Captain 'Hook.' A report on

the piracy seminar at Rainbowfest-Long Beach." (1984, May) 29

"Pipeline (tw6 new Color Computers)." (1983, September) 174

"Rainbow seal to help consumers." (1982, June) 28 Reed, Jim. "RAINBOWfest report." (1983, July) 122 Reed, Jim. "RAINBOWfest report." (1984, January)

Reed, Jim. "RAINBOWfest report." (1984, May) 26 Reed, Jim. "RAINBOWfest report." (1984, June) 26 Reed, Jim. "The Tandy home computers tour." (1984, January) 22

Reilly, Mike. "If it's not the 'F' board, how about the '285?'" (1983, June) 160

Rosen, Bob. "Inside TDP." (1983, February) 154 Rothermal, Bruce. "Dump to camera: Photographing your monitor." (1983, April) 88

Russell, Bob. "Color Computer memory map." (1983, August) 254 Russell, Bob. "Color Computer memory map."

(1983, September) 273

- Russell, Bob. "Color Computer memory map." (1983, December) 322
- Scerbo, Fred B." A CoCo triple header." (1984, June)
- Schmidt, Jim. "Everything you wanted to know about hex." (1983, April) 178
  Schrag, Roger. "Machine language cassette I/O."
- (1983, October) 84
- Searby, Paul. "Design and development of application software part 2." (1984, April) 298
- Searby, Paul. "Design and development of application software." (1984, February) 310
- Searby, Paul. "Random BASIC'S...design and development of application software part 3." (1984, June)282
- Searby, Sue. "Tecky yes." (1982, November) 62 "Software theft." (1981, September) 2
- "A special look at a new PoCo CoCo." (1983. July)
- Speer, Mike. "A cat's heartbeat." (1982, November) 32
- Tyson, Robert K. "Eight steps to writing solid software documentation." (1984, February) 130
- Waclo, John. "Here is how to pick NFL winners this season." (1982, August) 54
- Waclo, John. "Pick the winners in the NFL." (1982, July) 50
- Waclo, John. "80C picks the National Football
- League." (1982, *June*) 12 White, Richard A. "Bits and bytes of Basic." *(1983,* January) 12
- White, Richard A. "C-language of the 80's." (1983, November) 186
- White, Richard A. "Controlling printer and disk: riding two horses." (1984, *June*) 38
- White, Richard A. "How to form 80C user's groups." (1982, May) 27
- White, Richard A. "If 'program control' then fine else
- gosub confusion." (1983, September) 130
  White, Richard A. "Memory saving techniques for handling data." (1984, *March*) 111
- White, Richard A. "A mixed bag of Basic." (1983,
- August) 30 White, Richard A. "On using Print Using." (1983,
- October) 220 White, Richard A. "Stringing along with string varia-
- bles and functions." (1983, November) 198 White, Richard A. "Understanding cassette and disk file operations." (1983, *December*) 112
- White, Richard A. "Welcome to Basic." (1984, Janu-
- ary) 215 White, Richard A. "Well-defined variables produce
- clarity, conservation." (1983, February) 88 White, Richard A. "What's bothering you about Basic?" (1984, February) 150
- Wilson, M. P. "An index to The Rainbow?" (1983, January) 126

### **GRAPHICS**

- Bain, Scott L. "Here's a 120 frame 'graphics pad' for easy animation." (1983, *July*) 53
  Barringer, James. "Dog-gone program." (1982, *Sep*-
- tember) 78
- Bennett, Joseph E. "Get and Put: High-res move-ment." (1987, *November*) 10
- Clements, Dave. "Pie graph supreme." (1984, Januarv) 189
- Curtis, H. Allen. "Getting more from Pmode 4." (1982, June) 42
- Curtis, H. Allen. "Shades of PMODEs 1 and 2 gives
- you even more colors." (1982, November) 78 Cutter, Norm. "The simplicity of sinelines." (1983, October) 80
- Dana, John W "Moving graphics." (1982, December)
- Dana, John W "Son of graphic traffic." (1983, March) 164
- Dawson, David. "Glommer: true graphics for 4K." (1983, October) 122
- Delbourgo, D.; Delbourgo, R.; and Latner, Norman. "Two illusions." (two articles) (1983, March) 28
- Delbourgo, Dan; and Delbourgo, Robert. "Picture your face." (1983, October) 306
- Delbourgo, R. T.; and Delbourgo, D. "More moirefrom downunder." (1982, November) 23
- Delbourgo, Robert. "Fascinating fractals: Geometry of nature." (1983, July) 28
- Delbourgo, Robert. "3-D graph plotting of multiple variables." (1983, *June*) 116

- Delbourgo, Robert; and Ferguson, Brian. "Tumble 'brella."(1983, October) 204
- Dersheimer, Richard. "The eyes have it." (1982, November) 142
- Dersheimer, Richard. "Redchase." (1983, November) 158
- Dollberg, Donald D. "Visual aids by CoCo." (1984,
- Endres, M. H. "Printing characters on the graphic screen." (1982, May) 8
- Fauske, Wes. "A moveable feast for the CoCo." (1983, August) 28
- Ford, James H., Jr. "Animation using the X-pad for graphics production." (1983, December) 74
- Foulke, Robert. "Random graphic fun." (1987, December) 8
- Fountain, J. Paul. "Pmode4 graphics dump." (1983, October) 298
- Franksen, Aaron. "Low resolution drawing." (7903, *March*) 166
- Germann, Karl. "This routine draws circles around the rest, randomly." (1983, *March*) 191
- Gray, Thomas. "Make this handy reusable graphics grid." (1983, *April*) 73 Hall, Chris. "Really combine graphics and text."
- (1982, November) 26
- Hall, Jim. "Graphics special: the '178' poke." (1983, October) 102
- Hall, Mike. "Four for the show." (1983, October) 77 Himowitz, Michael J. "How to be a printer artist in one easy lesson." (1983, *November*) 126 Hoffman, Paul S. "Launch your next trip from X-
- pad." (1983, November) 292
- Inman, Don. "Achieving motion with GETand PUT." (1983, January) 106
- Inman, Don. "The beginning game." (1984, April) 210
- Inman, Don. "Direct graphic design." (1983, October) 108
- Inman, Don. "Dividing the pie-colorfully." (1984, March) 199
- Inman, Don. "Happy graphic holidays." (1983, December) 188
- Inman, Don. "High resolution graphics techniques are explained." (1982, *December*) 41
- Inman, Don. "Let's get serious shifting axes in quads I and IV." (1983. June) 90
- Inman, Don. "Looking at Logo from Basic." (1984, May) 125
- Inman, Don. "A menu is helpful for choosing the right course." (1984, *February*) 54 inman, Don. "Now, let's make some regular poly-
- gons." (1983, April) 106
- Inman, Don. "Paint shop." (1983, September) 298 Inman, Don. "Prompted graphics program." (1984, January) 152
- Inman, Don. "Running circles around LOGO." (1984, June) 48
- Inman, Don. "Techniques for plotting screen graphs." (1983, February) 186
- Inman, Don. "Using graphics: Circles and arcs."
- (1983, July) 168 Inman, Don. "Using graphics." (1983, March) 102 Inman, Don. "What you Get is what you Put." (1983, August) 106
- Kawa, Jeff. "Shuttle graphic." (1984, May) 131 King, David. "Repainting a Pmode4 rainbow." (1983, October) 60
- Kolar, Joseph. "Drawing on this blackboard chalks up programming ease." (1983, September) 88 Kolar, Joseph. "When a graphic idea strikes..."
- (1984, *February*) 284 Kotcher, Darryl. "Color sketch: a keyboard graphics
- utility." (1983, October) 161
- Kozubal, John W "Face to face to face to face." (1984, January) 89
- Krikorian, Edward. "Create three-dimensional graphics with SAR27." (1983, January) 170 Krikorian, Edward. "Draw something exotic with
- Vitex93." (1983, September) 206 Laessig, Mark. "Curvfitz is number cruncher of the
- first order." (1983, April) 234 Lai, Stephen. "Three easy pieces: one animator's
- art." (1983, April) 188 Lester, Lane P. "Screen-to-printer color graphics."
- (1983, March) 18
- "M & N decoded." (1987, July) 3
- "Make the Color Computer live up to its name." (1982. August) 69
- "Motion picture programming (MPP)." (1982, March) 24

- Odlin, R. W "Polygons? Gollygons!" (1983, December) 318
- 'PUT and GET and random forms make unusual graphics." (1982, September) 32 Paravati, Joseph S. "Flags." (1983, October) 92
- Plaxton, John. "Flashy program, by thunder." (1983,
- Pollard, Ed. "Now lookit that!" (1983, January) 164 "Polygon again." (1982, *February*) 11 Pouch, Arnold. "Motion picture programming —the
- details." (1982, *April*) 13

  Pouch, Arnold. "Motion picture programming—a
- program to run." (1982, May) 36
- Reid, Chris. "Beautiful Moire patterns." (1982, October) 74 Scerbo, Fred B. "The first CoCo rockiest." (1984,
- May) 89
- Scerbo, Fred B. "Now you can easily generate graphic data statements." (1983, *November*) 160
  Seay, Walter. "Lines." (1983, *August*) 80
  Shemo, Andrew L. "A winter wonderland." (1984,
- February) 120
- Sligar, David S. "The wizard's computer: a graphic tale." (1984, *January*) 84
  Touchstone, Terrell. "Color-eyed-o-scope." *(1984,*
- January) 80
- Vasconi, Eugene. "A dandy doodler." (1984, June)
- Vasconi, Eugene. "Holiday greetings." (1984, Janu-
- ary) 150 "What — more polygon." (1982, April) 10
- Wilson, David C. "Genius at work." (1984, January)
- "Your video display generator and the PMODE4 colors." (1982, August) 39
- Ziniewicz, George. "Graphics? Here are two...by George!" (1982, *November*) 86

### HOME/HOBBY

- Ball, Howard Lee. "Nothing can hold a (Roman) candle to this tallying method." (1984, June) 65
- Bennett, Joseph E. "For all your secrets-the full Jarbcode program." (1982, May) 50
- Bish, Charlotte. "Thoughts of a computer widow." (1983, November) 328
- Boston, William. "Here's an easy way to place orders by mail." (1982, August) 19
- Brooks, Sid. "Visible check register." (1984, January) 124
- Bruck, Bill. "Keep track with a mailing list." (1982, October) 86
- Carson, Édward R. "Baseball statistics made easy." (1983, July) 92
- Carson, Edward R. "The most professional garage sale in the neighborhood." (1984, May) 156
- "Checkbook balance." (1982, January) 3
- "CoCo clubs." (1983, November) 330
- "CoCo community." (1984, *February*) 290 Derringer, Dennis. "Wallpaper calculator." (1984, June)206
- DiStefano, Tony. "Equip your computer with a phoneme speech synthesizer." (1984, June) 128
- Dooman, Bob. "Invitations made easy." (1983, Januarv) 74
- "An educational program for everyone." (1981, Auaust) 8
- Fahlberg, T. A. "Your very own interior decorator." (1984, June) 28
- Falk, Lawrence C. "Do your taxes on your COCO." (1982. March) 8
- Falk, Lawrence C. "Prepare for tax time easily." (1982, February) 2
- Garrett, Ron. "Key your checks to accounts." (1982, October) 20
- Giovanoni, Richard. "House\$." (1984, March) 162 Giovanoni, Richard. "Work station on wheels." (1983, July) 218
- Hady, Tom. "Use CoCo to help communicate those Christmas Greetings." (1983, December) 68
- Hooper, David. "A pumpkin for your window." (1982, October) 104 "How's your day? Need biorhythm help?" (1987,
- November) 6 Hughes, Don; and James, Jessie. "A face saving addressor for Fred." (1983, December) 160
- Hughes, Don; and James, Jessie. "Fred's postcard
- whacker." (1984, May) 84 Hyre, Leonard. "You can bet on wager master." (1984, May) 166

- Lester, Lane P. "Render unto IRS." ft983, February)
- "Make letterheads for correspondence." (1982, April) 47
- Mosty, Mark S. "Color billbars help chart spending." (1982. April) 19
- Posner, Judd. "Spectaculator statistics." (1983, February) 10
- Ray, J. D. "Summarize income and expenses with home budget analysis." *(1983, July)* 60 Ray, J. D. "Up, up and A(merican) way." (1984,
- Ray, J. D. March) 74
- Ray, R. D. "Five year's worth of income tax." (1983, February) 148
- Remini, Susan. "Make an appointment for better organization!" (1983, November) 33
- Ridge, Herbert. "A calendar to keep track." (1982, October) 8
- Rosen, Bob. "Title video tapes with CoCo." (1982, October) 128
- Scerbo, Fred B. "The coaches animated playbook." (1984, March) 82
- Seaberg, Richard. "All in the family tree." (1984, Feb-
- "A self-mailer saves time and envelopes." (1982, April) 38
- Sherrill, Sam. "Analysis of variance: A 'nova' for CoCo." (1983, March) 94
- Sherwood, Francis. "How much will it cost to buy on time?" (1982, October,) 70
- Spencer, Barry. "MoCalc-MiniCalc gets a big brother." (1984. April) 186
- Steiner, John. "Using Elite Calc to track automobile
- expenses." (1984, March) 178 Stumpf, Peter. "A Christmas Eve fireplace." (1982,
- December) 34 Thonen, Charles M. "The mail mover." (1984, May)
- 74
- Trevor, Alexander B. "Control your home." (1983, February) 160
- Trevor, Alexander B. "Home power control part 4: keep your home on schedule." (1983, August) 83 Trevor, Alexander B. "Tick tock, CoCo clock." (1983, April) 20
- Trevor, Alexander B.; and Yahn, Charles. "X10 protocol theory: Home power control part 3." (1983, June) 98
- Tyson, Robert K. "An introduction to the science of image processing." (1984, February) 196
- Weide, Dennis H. "Let CoCo keep track of your utility bills." (1983, March) 64
- White, Richard A. "Making Spectaculator strut its stuff." (1982, June) 31
- White, Richard A. "Net results (basketball statistics." (1984, February) 140
- Witham, Burton B. "Are you authorized to use this
- Witham, Burton B., Jr. "CoCo knows all the callsigns." (1983, February) 110
  Witham, Burton B., Jr. "Keep a Ham radio log."
- (1982, December) 124
- Witham, Burton B., Jr. "A rapid logger for HAMs." (1983, March) 180
- Witham, Burton B., Jr. "A super duper for Hams." (1983, January) 80

### MC10 MICRO COLOR COMPUTER

- Curtis, H. Allen. "MC-10 memory map." (1984, January) 309
- Curtis, H. Allen. "Prospecting the MC-10." (1984, February) 314 Downard, Dan. "Kid CoCo is no lightweight." (1983,
- August) 174
- Downard, Dan. "Opening CoCo's library to the MC-10."(1983, October) 196
- Smith, Frank. "MC-10 vs. CoCo: a command summary." (1983, September) 101
- Szlucha, Thomas. "Two for the 10." (1983, August)

### MUSIC

Bananszak, David. "A little ttee-trimming music." (1983, December) 35

Delbourgo, Robert. "A musical scale generator." (1983. June) 262

- Elliot, Sheila. "LoCo CoCo and the 1812." (1984,
- Hayden, Joe. "A little string music please." (1984, June)185
- Konecky, Larry. "The CoCo composer." (1983, December) 131
- Konecky, Larry. "CoCo says repeat this tune." (1983,
- Konecky, Larry. "Let's write some music." (1982, December) 66
- Konecky, Larry. "Tone row composing." (1984, *June*)23
- Ludlum, Bob. "Making four-part harmony easier." (1984, June) 74
- Martens, Gordon. "The piano tutor." (1984, June) 19 Mauro, Robert. "Merry Christmas to all and to all a good-bye." (1983, *December*) 205
  "Music made easy" (1987, *July*) 2
- Nolan, Sara. "Micro-maestro—using CoCo's PLAY statement." (1982, December) 10
- Penrose, Paul. "PLAYing around with your 80C." (1982, July) 22
- Phillips, Chris. "This guitar tutor doesn't fret." (1984, June)162
- Pollock, Tommy; and Pollock, Gail. "Bach to basic." (1983, November) 152
- Pollock, Tommy; and Pollock, Gail. "CoCo classics." (1984, June) 131
- Rogers, Robert. "The computer chord finder." (1984, June) 179
- Santee, Charles H. "Strummin' on the or CoCo." (1983, August) 130
- Scoffin, Brad. "Two for The Composer." (1984, June)57
- Urbas, Joseph M. "Original Rags for the CoCo kevboard." (1983, September) 218

### **OS-9 OPERATING SYSTEM**

- Clements, William C, Jr. "OS-9 meets the Wolfbug monitor." (1984, February) 322
- Hefter, Melvin. "One disk is better than two." (1984, March) 291
- Hogg, Frank. "SAGE and CoCo don't mix—yet." (1984, March) 293 Hogg, Frank. "OS-9? FLEX? Or both?" (1984, June)
- Hogg, Frank. "On OS-9 matters, Frank FLEXes his
- bias." (1984, May) 314 Puckett, Dale L. "From hi-resto high style... coming
- to life with OS-9." (1983, *December*) 298
  Puckett, Dale L. "A mix of kits, tricks and com-
- ments." (1984, June) 287 Puckett, Dale L. "More answers, new products and a
- major Basic09 program." (1984, March) 298
  Puckett, Dale L. "News, explanations and a check-
- book balancing act." (1984, *April*) 306
  Puckett, Dale L. "Nostalgia, notes and tools of the trade." (1984, January) 132
- Puckett, Dale L. "OS-9 users group president's
- column." (1984, *March*) 308 Puckett, Dale L. "OS-9 users group president's
- column." (1984, *April*) 317 Puckett, Dale L. "OS-9 users group president's column." (1984, May) 313
- Puckett, Dale L. "Point, counterpoint, terminal problems and a technical potpourri." (1984, February) 324
- Puckett, Dale L. "The power of OS-9." (1983, October) 178
- Puckett, Dale L. "Sad news, good news, a successful terminal program and some Basic09 tricks." (1984,
- Puckett, Dale L. "The shell game." (1983, November)

### **PRINTER**

- Anthony, Dave. "A teeny tinydump." (1984, February) 306
- Becker, Barry E. "Revival (cleaning Gemini-10)." (1984, May) 54 Bohne, Bill. "A FORMATR for the Gemini." (1983,

- Chamberlain, Ross. "Graphics word processing." (1982, *December*) 136
  DiStefano, Tony. "Build this parallel printer interface." (1983, *August*) 192

- Ericson, Robert W. "Printing graphic characters on the Microline 82A." (1983, October) 296
- Fahy, Mike. "Boltype: a tutorial on the use of dot graphics." (1984, *May*) 67
  Falk, Lawrence C. "Printers: Overview of some fea-
- tures." (1982, June) 21
- Goebel, Kathy. "Make a logo." (1982, *October)* 50 Good, Steve. "Printer spooling will increase your throughput." (1983, June) 246
- 'Graphics printer." (1987, September) 13
- Hall, William R. "Custom interface for the Gemini-10." (1983. November) 202
- Himowitz, Michael J. "Turn your printer into a type-setter with Big Print." (1983, *December*) 18 Himowitz, Michael J. "A Valentine printer mystery."
- (1984, February) 88
- Himowitz, Michael J.; and Nelson, Julius. "Christmas printer mysteries." (1983, December) 54
- Himowitz, Michael J. and Nelson, Julius. "The first Saturday in May." (1984, *May*) 180
  Himowitz, Michael J.: and Nelson, Julius. "Printer
- mystery." (1984, January) 144
- Himowitz, Michael J.; and Nelson, Julius. "A very important man." (1984, *March*) 169 Kohn, Joseph. "Printout at PMODE4." (1983, *July*)
- 262
- Kolar, Joseph. "Flaunt your CoCo with season's greetings cards." (1983, December) 98
- "LP VII driver." (1987, July) 3 Lewandowski, Dennis S. "Assembly corner: All's not lost—we've still got fun." (1983, November) 298
- Lindsay, Doug. "Color graphic banner." (1984, May) "Line printer conversion chart." (1983, June) 156
- Nelson, Tom. "Aprimeron printers." (1984, May) 288
- Nelson, Tom. "A primer on printers part 2." (1984, June)114
- "Printer baud rates." (1984, February) 24
- "Printer status." (1987, August) 4
  Schmidt, Jim. "Three printer utilities." (1982, September) 51
- "Screen monitor." (1987, October) 7
- Searby, Sue. "The serial/parallel syndrome: what's that?" (1983, *January*) 76
- Snyder, Dennis. "Building a Color Computer to EP-SOM MX printer interface." (1983, June) 20
- Steyer, David. "Non-graphic printer graphics." (1982, September) 72
- Steyer, David. "Sign up and have a Banner day." (1983, January) 190
- Swanson, Damon. "Make the Good Spooler better." (1984, May) 23
- Szlucha, Thomas. "The CGP-115 printer: a considerable upgrade." (1984, *January*) 120 Szlucha, Thomas. "Pretty as a picture with CGP-
- 115." (1984, May) 137 Szlucha, Thomas. "Special delivery." (1984, May)
- 135 Szlucha, Thomas F. "Using the block graphics of the
- Okidata 82A." (1983, *June*) 250 Weide, Dennis H. "A little printer magic." (1984, *May*)
- White, Richard A. "Gaining sophistication with print-
- ing techniques." (1984, April) 64 White, Richard A. "Print it bigger than you can." (1983, June) 198

### REVIEWS

- "Accounts receivable." (1984, March) 283
  "Across the Rubicon." (1982, December) 141
  "Addition concepts." (1983, February) 77
  "Adventure in wonderland." (1983, October) 241
  "Adventure starter package." (1984, February) 242
  "Adventure 3-pak." (1982, August) 76
- "Adventures." (1983, December) 244 "Air traffic controller." (1984, April) 247
- "Airline." (1984, January) 260
- "Alcatraz II." (1983, *July*) 232 "Alpha-draw." (1982, *August*) 61

- "Alphabet soup." (1983, February) 192
  "Alphabet." (1983, December) 259
  "Amdisk III." (1983, October) 246
  "Amortization." (1983, November) 274

- "Anortization." (1965, November) 21-7
  "Ancient Wisdom." (1982, September) 44
  "Android attack." (1983, April) 232
  "Animated Hangman." (1987, December) 19
  "The answer." (1984, April) 260

"Ccads." (1983, December) 264
"Cer-Comp disk system." (1982, May) 34
"Cer-Comp disk system." (1982, July) 20
"Checking account." (1983, February) 169
"Chroma keys." (1983, October) 236
"Chromasette Magazine." (1987, December) 9
"Circus Adventure." (1982, March) 36
"Clock drill." (1984, February) 252
"Clock." (1982, October) 113
"Clock." (1983, March) 150
"Cmailist." (1982, May; 21
"CoCo Bingo." (1984, May) 278 "Death star." (1983, April) 150
"Decimals." (1984, May) 213
"Decision maker." (1984, April) 270
"Defense." (1983, March) 142
"Demon seed." (1984, May) 224
"Deprec." (1983, November) 272
"Derby." (1983, November) 285
"Desert golf." (1983, August) 186
"Devil assault." (1984, March) 247
"Dice." (1983, February) 198
"Direct file trapsfer." (1983, August) "Arex." (1983, November) 244 "Articulator." (1983, December) 282 "Assembler math." (1984, June) 225 "Assembly language graphics (book)." (1983, February) 94

"Astro Blast." (1982, August) 74

"Astrology." (1982, October) 100

"Atari joysticks." (1983, November) 270

"Atlantis adventure." (1984, May) 251

"Atom." (1984, May) 239

"Auto run." (1982, June) 52

"Autoterm." (1983, June) 52

"BASIC programming primer." (1983, June) 220

"BT1000 Interface." (1983, January) 198

"Balloon attack." (1984, January) 274

"Banner." (1983, June) 223

"Banners banners banners." (1984, February) 240

"Bar zapper." (1983, April) 136

"Baseball." (1982, November) 112

"Baseball." (1984, March) 274

"Basic Aid." (1982, August) 27

"The Basic Handbook." (1982, July) 47

"Battle of Gettysburg." (1983, February) 54

"Battle of Waterloo." (1984, March) 224

"Battle." (1984, February) 222

"Battlefleet." (1982, January) 15

"Beam rider." (1984, May) 234

"Before, between and after." (1984, May) 254

"Berserk." (1982, March) 25

"Beyond words." (1983, September) 245

"Beyond words." (1983, September) 242

"Bible adventure." (1984, June) 230

"Big Num." (1982, November) 54

"Bigfoot." (1983, March) 200

"Bio-detector." (1983, December) 248

"Biorhythm and Mine Field." (1982, February) 10

"Biorhythm" (1982, June) 52 "Assembly language graphics (book)." (1983, February) 94 "Dice." (1983, February) 198

"Direct file transfer." (1983, August) 276
"Disasm." (1983, November) 248
"Disk ColorCom/E" (1982, November) 58
"Disk Data Handler." (1982, October) 110
"Disk Doctor." (1982, June) 27
"Disk Double Entry." (1983, January) 70
"Disk Interface." (1982, September) 20
"Disk Scripsit." (1982, November) 25
"Disk Spectaculator." (1982, November) 25
"Disk graphics." (1983, December) 272
"Disk manager." (1983, November) 275
"Disk money minder." (1983, August) 274
"Diskey disk access and repair key." (1984, February) 251 "Cmailist." (1982, May, 21
"CoCo Bingo." (1984, May) 278
"CoCo Cassette." (1982, October) 96
"CoCo Cooler." (1983, December) 39
"CoCo Slots." (1983, January) 196
"CoCo accountant." (1983, July) 82
"CoCo board II." (1983, August) 169
"CoCo mail." (1983, October) 267
"CoCo-jot." (1983, March) 114
"Co-Co cooler." (1983, September) 178
"Co-Res Editor/Assembler." (1982, October) 30
"Co-existence." (1983, June) 219
"Colonial trilogy." (1984, March) 280
"Color Basic and Extended Basic System Referei Disk morey minder. (1983, August) 2/4
"Diskey disk access and repair key." (1984, February) 251
"Disktype." (1984, June) 247
"Diskutil." (1984, May) 268
"Dollars and sense." (1983, July) 300
"Donkey King." (1983, January) 152
"Doodlebug." (1983, January) 162
"Double Stick interface." (1983, March) 199
"Doubleback." (1983, April) 72
"Dragonfly fan." (1984, January) 264
"Dragonquest." (1982, December) 162
"Draw-it." (1983, December) 239
"Dskldr." (1983, December) 246
"Dungeon Maze" (1982, November) 55
"Dungeon Maze" (1982, November) 55
"Dungeon Maze" (1983, January) 152
"Dyfin." (1984, January) 268
"Dynacalc." (1983, August) 158
"Dyterm." (1984, January) 216
"EPROM programmer." (1983, July) 70
"Early games." (1984, January) 280
"Early letter recognition." (1984, June) 240
"Eight-bit bartender." (1983, April) 208
"EI Bandito." (1982, April) 25
"EI Diabelero." (1982, November) 112
"El cheapo A/D converter." (1983, August) 96
"Elcircan." (1983, November) 280
"Electricity consumption monitor." (1983, Apr/7; 26
"Electronic calligrapher." (1983, August) 270
"Electronic graph." (1984, June) 271
"Elite calc." (1983, August) 262
"Elite-word." (1984, March) 260
"Enchanted Forest." (1982, December) 74
"Endicott Joysticks." (1982, October) 112
"Epson interface." (1983, June) 88
"Escape." (1982, November) 66 Color Basic and Extended Basic System Reference Card." (1982, April) 31

"Color Computer Graphics." (1982, August) 39
"Color Enhancer." (1982, October) 28
"Color Forth." (1982, December) 148
"Color Invaders." (1982, April) 28
"Color Meteoroids." (1987, November) 7
"Color Scarfman." (1983, January) 189
"Color Space Invaders." (1987, October) 9
"Color Space Invaders." (1987, October) 9
"Color Text." (1983, June) 226
"Color Zap." (1982, September) 44
"Color compiler." (1984, April) 286
"Color designer." (1984, April) 286
"Color dictionary." (1984, May) 221
"Color finance." (1983, November) 238
"Color graphics editor." (1983, October) 228
"Color ink jet printer." (1983, November) 242
"Color scribe." (1983, October) 278
"Color scribe." (1983, October) 278
"Color software workbench." (1984, January) 290
"Color term plus." (1983, November) 246 "Color Basic and Extended Basic System Reference ary) 251 "Bio-detector." (1983, December) 248
"Biorhythm and Mine Field." (1982, February) 10
"Biorhythm" (1982, June) 52
"Bird attack." (1983, February) 178
"Blackjack royale." (1983, August) 268
"Blackjack." (1982, June) 66
"Blackjack." (1983, February) 184
"Blackjaq." (1983, November) 250
"Bloc head." (1983, August) 120
"Body parts." (1984, January) 276
"Bomber command." (1984, January) 256
"Brickaway." (1982, February) 30
"Brickout/Word Guess." (1982, March) 19 "Color software workbench." (1984, Janua" Color term plus." (1983, November) 246
"Color tutor." (1984, February) 228
"Color zap." (1983, November) 286
"Color-80." (1983, August) 166
"Colorcom/e." (1982, February) 31
"Colorforth." (1982, May) 29
"Colorhythm." (1982, August) 61
"Colorkit." (1982, October) 114
"Colorout." (1983, October) 271
"Colorpede." (1982, December) 144
"Colorshow." (1982, December) 171
"Colorspeak." (1983, December) 280
"Colortac." (1984, April) 236
"Colorterm." (1982, March; 29
"Command stream processor." (1984, Jan "Brickout/Word Guess." (1982, March) 19
"Bridge tutor I." (1983, April) 148
"Bug Chase." (1982, September) 90
"Bugger." (1983, September) 164 "Bugger." (1983, September) 164
"Bulletin Board Software." (1982, December) 142
"Bumble games." (1983, August) 232
"Bumble plot." (1983, August)! 232
"Bumpers." (1983, December) 249
"Business accounting system." (1984, May) 230
"Business manager." (1984, June) 242
"Buzzard bait." (1984, January) 278
"Bwindo." (1982, August) 27
"Byte bat." (1984, February) 224
"A Byte of Color Basic." (1982, October) 27
"C compiler." (1983, December) 270
"CBUG monitor." (1987, August) 3 "Epson interface." (1983, June) 88 "Escape." (1982, November) 66 "Command stream processor." (1984, January) 286 "Comp-u-trace." (1984, *January*) 287 "The companion." (1983, *November*) 273 "Escape." (1982, November) 66
"Espionage island." (1984, June) 228
"Estimate." (1984, June) 234
"Euchre." (1984, February) 244
"Execcart." (1984, May; 250
"Exercise Planner." (1982, July) 26
"Expansion Interface." (1983, January) 198 "Complete personal accountant." (1984, February) "The Composer." (1983, June) 192
"Compumind/Jackpot." (1982, January) 16
"Computer-ware's 32K upgrade." (1982, February) 9
"Compuvoice." (1982, June) 11
"Conflict." (1987, October) 2 "CBUG monitor." (1987, August) 3 "C-III." (1984, June) 258 "CBUG monitor." (1987, August) 3
"C-III." (1984, June) 258
"CC calc." (1983, February) 62
"CC dialer." (1983, November) 254
"CC mailer" (1983, February) 158
"CCEAD." (1983, February) 170
"CCPilot." (1983, February) 170
"CCPilot." (1982, May) 14
"CC-dbm/lw." (1983, December) 268
"CCthello." (1983, March; 120
"CCube." (1983, November) 116
"CGP II." (1983, June) 230
"CGP-115 Printer" (1982, December) 168
"CPP." (1983, June) 172
"C-trek." (1983, December) 250
"Calixto Island." (1982, May; 35
"Calixto Island." (1984, April) 246
"Card game." (1983, June) 152
"Carry." (1983, June) 195
"Cassette Caddy." (1982, September) 49
"Cassette Caddy." (1982, September) 49
"Cassette Caddy." (1983, January) 147
"Cassette Controller." (1984, January) 252
"Catacomb." (1984, March; 239
"Catch 'em." (1984, April) 72
"Cave Hunter." (1982, April) 25
"CcForth." (1982, December) 148 "Exercise Planner." (1982, July) 26
"Expansion Interface." (1983, January) 198
"FH Flex." (1982, October) 64
"FHL Flex." (1983, July) 240
"FICA-83." (1984, February) 278
"FLEX revisited." (1983, January) 160
"F-16 flight simulator." (1984, January) 232
"Face." (1984, February) 265
"Factors tutor." (1984, May) 248
"Family." (1983, September) 204
"Fantasy Gamer's Package." (1982, August) 40
"Fast file/big file." (1984, March) 248
"Fast lane." (1983, September) 177
"Fastape." (1983, July) 221
"Fastdupe." (1983, July) 221
"Fastdupe." (1984, Mary) 268
"Fembot's revenge." (1984, January) 237
"File cabinet." (1983, Apr//; 134
"Filebox 16." (1984, March) 276
"Filmastr." (1983, July) 231
"Final countdown." (1983, March) 90
"Finance-5." (1984, April) 274
"Firecopter." (1983, August) 272
"First sampler." (1983, October) 262
"Five exciting games." (1983, February) 86
"Flash cards." (1984, January) 258 "Conquest of Kzirgla." (1983, *April*) 105
"Context clues." (1984, *March*) 225
"Cookie Monster's letter crunch." (1984, *February*) Cosnic clones." (1983, November) 286
"Cosmic clones." (1983, November) 286
"Cprint." (1987, December) 11
"Craps." (1982, December) 112
"Creatavador." (1982, May) 15
"Crosswords." (1983, June) 224
"Crystal revenge." (1983, April) 160
"Cu-ber." (1984, March) 247
"Cubix." (1984, April) 248
"DDH directory-file builder." (1984, February) 220
"DMP 200." (1983, June) 210
"DRB." (1984, May) 222
"DSKMON." (1984, May) 222
"DSKMON." (1984, May) 276
"Dancing Devil. (1982, April) 35
"Data doctor." (1984, January) 270
"Data 500." (1983, December) 254
"Data-comp Flex." (1983, July) 240
"Database Manager II." (1983, July) 240
"Database Manager II." (1983, June) 242
"Datamail." (1983, July) 166
"Date-o-base calendar." (1982, June) 9 266

"Flexi filer." (1983, November) 282
"Flight from Grindar." (1984, May) 260
"Flight." (1983, February) 182
"Football!" (1982, June) 23
"Foxygraf." (1983, February) 84
"Fraction math quiz." (1983, July) 167
"Frog Man." (1982, December) 173
"Frog Trek." (1983, March) 197
'The Frog." (1983, July) 233
"Function graphing module." (1983, July) 33 "Moneypak." (1983, *July*) 300 "Monsters & Magic." (1983, June) 222 "JFD-COCO disk system." (1984, April) 230 "J-CAT modem." (1984, June) 261
"Jail." (1984, January) 261
"Jarb Joystick." (1982, August) 25
"Jowst." (1984, February) 276
"Joystick LED kit." (1983, February) 36
"Jude." (1983, December) 286
"Jumps." (1983, January) 164
"Jungle Trek." (1982, September) 43
"Junior's revenge." (1984, January) 240
"Kaleidophone." (1983, October) 260
"Kamikaze." (1983, April) 42
"Katerpillar." (1982, July) 41
"Keep text II." (1984, June) 264
"Key-264K." (1984, February) 260
"Keyboard beeper cartridge." (1984, March) 244
"Keyboard." (1984, March) 254 "J-CAT modem." (1984, June) 261 "Monsters & Magic." (1983, June) 222
"Moon Lander." (1982, March) 27
"Moptown hotel." (1983, September) 242
"Moptown parade." (1984, March) 236
"Moptown." (1983, January) 183
"More business." (1984, April) 262
"Morocco Gran Prix." (1983, July) 222 "Morocco Gran Prix." (1983, July) 222
"Morse code tutor/trainer." (1984, June) 250
"Motorbike challenge." (1983, October) 250
"Mouse." (1983, October) 250
"Ms. Nibbler." (1983, March) 223
"Mt. Doom." (1984, February) 250
"Mudpies!" (1984, April) 253
"Multi-pak interface" (1983, September) 80
"Music box." (1984, June) 256
"Music drill." (1983, September) 120
"The music reader." (1984, Mary) 252
"Music." (1982, July) 39
"Musica." (1984, March) 278
"Mystery Maze." (1982, July) 49
"Name that song." (1982, May) 42
"Nerble force." (1983, August) 265
"New Talk." (1982, June) 11 "Frog Irek." (1983, March) 197

'The Frog." (1983, July) 233
"Function graphing module." (1983, July) 16
"Fundfile enhanced." (1984, June) 232
"Fundfile." (1983, November) 262
"Fundgraf." (1983, January) 187
"Fury." (1983, October) 256
"GSPR." (1982, May) 14
"Galactic Taipan." (1984, May) 264
"Galagon." (1984, March) 238
"Galax Attax." (1982, September) 90
"Galloping gamblers." (1982, January) 20
"Game Pak 2." (1983, January) 163
"Game Show." (1983, January) 174
"Game Writer." (1982, December) 84
"Gangbusters." (1982, December) 161
"Gator Zone." (1982, February) 8
"Gauntlet." (1982, March) 18
"Gazon." (1983, April) 240
"Gemini 10/15." (1983, June) 109
"Gemini-10X." (1984, June) 265
"Geography Pack." (1982, September) 49
"Ghostmania." (1983, March) 116
"Girdle the enemy." (1984, June) 247 "Keyboard." (1984, *March*) 254
"Keyboard." (1984, *March*) 254
"Keys to the Wizard." (1982, *October*) 63
"Kid's choice." (1984, *June*) 240
"Kingshield." (1984, *April*) 278
"Klendathu." (1983, *August*) 295 "Kodomo-no-go." (1983, *August*) 94
"Kosmic Kamakaze." (1987, *December*) 11 "Kosmic Kamakaze." (1987, December) 11
"Kron." (1984, February) 270
"LCINT." (1983, September) 104
"LEM, Pirate Adventure, Darts." (1982, July) 8
"LLIST-rite." (1983, April) 204
"LOGO." (1982, December) 88
"Label III." (1983, November) 255
"Labyrinth." (1982, May) 29
"Lander." (1982, August) 37
"Las Vegas weekend." (1983, February) 100
"Laser Tank Duel." (1982, December) 174
"Laser Tank." (1983, January) 159
"The Light Pen." (1984, January) 242
"Light pen fun-pak." (1983, February) 32
"Light pen." (1982, April) 31 "Nerble force." (1983, August) 265
"New Talk." (1982, June) 11
"Newerror." (1984, April) 268
"Nibbler." (1983, March) 223
"Ninja warrior." (1983, September) 156
"Number match." (1983, September) 288
"Number-kruncher." (1984, May) 232
"Ockywoky." (1984, April) 272
"Offenders" (1982, November) 52
"Okidata's ML-92." (1983, October) 227
"Old McDonalds farm vowels." (1983, September) "Girdle the enemy." (1984, June) 247
"Glaxxons." (1984, January) 265
"Golf (Aardvark)." (1982, November) 114
"Golf (Mix)" (1982, November) 114 170 "Oik Disk Extended Color Basic." (1984, *April*) 282
"Option 4." (1984, June) 248
"Oracle II." (1984, *April*) 280
"Order entry system." (1984, *February*) 254
"Owl's eye pilot light." (1984, *March*) 37
"PAC Attack." (1982, *March*) 37 "Gomoku/renju." (1983, December) 240
"Gorilla Banana GX-100 printer." (1984, February) "Light pen." (1982, April) 31 "Light pen." (1982, April) 31
"Line cross reference." (1983, November) 256
"Lowerkit, LCA-47." (1982, June) 62
"Lowrcase." (1983, December) 262
"Lunar rover patrol." (1984, June) 236
"MC-10 microcomputer." (1983, August) 174
"MDISK." (1984, May) 274 "Graph Saniana GX-100 pinitel." (1934, 7e.bi.daily) 272
"Gorilla monitor." (1983, November) 284
"Grabber." (1984, May) 251
"Grafplot." (1983, July) 158
"Grafplot." (1984, June) 220
"Grand slam." (1983, November) 260
"Graph Zapper." (1982, December) 53
"Graph-16/32." (1982, December) 75
"Graphicom." (1984, April) 225
"The Great USA." (1984, March) 234
"The Great Word Game." (1982, May) 13
"The great hamster hunt." (1984, February) 236
"Guardian." (1983, November) 277
"Guess the animal." (1984, January) 276
"A guide to food contents." (1984, May) 228
"HJL-57 keyboard." (1983, October) 234
"Harness/Thoroughbred handicapper." (1984, April) 240 "PBH serial interface." (1984, June) 244
"Pac Droids." (1982, November) 49
"Pageplus." (1984, March) 259
"Pager/64K boot." (1984, February) 245 "ML Rabbit." (1982, March) 37 "Panic button." (1984, *January*) 230 "Panostyk." (1983, *April*) 214 "MM-100 Manual Mini Modem." (1984, February) "Panic button." (1984, January) 230
"Panostyk." (1983, April) 214
"Paper Porter." (1982, June) 54
"Paper tractor." (1984, May) 238
"Payroll." (1984, March) 266
"Payup and payout." (1983, October) 244
"Peanut butter panic." (1984, January) 254
"Phonics II." (1984, March) 242
"Phonics I." (1983, September) 246
"Pick which." (1983, September) 164
"Pie chart." (1984, June) 263
"Pie zapper." (1983, October) 272
"Pigskin Predictions." (1982, October) 102
"Pigskin predictions." (1983, November) 258
"Pinball." (1983, January) 158
"Planet Invasion." (1983, July) 223
"Poker." (1982, October) 12
"Planet invasion." (1983, July) 223
"Poker." (1982, October) 12
"Poltergeist." (1983, February) 82
"Preread package." (1983, March) 172
"Preschool Pak." (1982, September) 70
"Preschool packs 1, 2, 3." (1983, April) 192
"Pretty printer." (1984, January) 147
"Pritty printer." (1983, January) 147
"Pritty printer." (1983, January) 147
"Pritty printer." (1983, January) 208
"Pro-color-file." (1983, June) 208
"Pro-color-file." (1984, June) 233 "MPP tutorial." (1982, July) 64
"Macro Assembler." (1982, October) 30
"Macro 80C." (1982, October) 30
"Madam Rosa's parlor." (1982, November) 66
"Madness and the minotaur." (1983, August) 184
"MagiGraph." (1984, April) 222
"Mailing list." (1983, December) 256
"Mansion of doom." (1984, February) 230
"Mars Adventure." (1982, August) 37
"Master Control." (1987, November) 4
"Master control II." (1983, October) 248
"Master disk system." (1983, February) 77
"Mastermail." (1984, January) 266
"Match and spell." (1983, September) 138 April) 240 "Hebrew bulletin board." (1983, June) 180 "Here comes de Prez." (1984, June) 222 "Hidden Basic 1.0." (1983, September) 214 "Match and spell." (1983, *September*) 138
"Match-it." (1983, *March*) 82
"Math Drill." (1982, *September*) 20
"Math Tutor/Spelling Teacher." (1982, *September*) "Home buyer's analyser." (1983, March) 52 "Home interest calculator." (1983, July) 50 "Home money manager." (1983, July) 42 "Homebase." (1983, *March*) 36 "Homebase." (1984, *March*) 268 "Math adventure." (1983, October) 252 "Math games that teach." (1983, September) 294 "Math invasion." (1984, May) 246 "Household Expense Manager." (1982, December) "Math invasion." (1984, May) 246
"Mathfact." (1983, September) 200
"Mathmenu." (1983, September) 179
"Mathmar." (1983, September) 70
"Mathwar." (1983, August) 24
"Maze race." (1983, February) 168
"McCoCo's menu." (1983, July) 300
"Megabug." (1983, January) 158
"Memory dump/patch." (1984, June) 272
"Micro Script." (1982, December) 156
"Micro-doc." (1983, March) 150
"Microdis." (1984, April) 238
"Micromon." (1984, June) 260
"Micronix premium keyboard." (1984, February) 238 "Household budget worksheet." (1983, September) 287 287
"Humbug." (1982, May) 28
"Humbug." (1983, September) 110
"HyperZone." (1984, March) 256
"INSIMB." (1983, June) 170
"Ice master." (1984, February) 217
"Illustrated computer dictionary." (1983, September) 284 "Pro-color file." (1983, June) 208 "Pro-color-file." (1984, June) 233 "Professional keyboard." (1983, *March*) 20
"Program file." (1983, *October*) 276
"Programmer's worksheet." (1984, *April*) 264
"Programmers toolkit." (1984, *January*) 228 "Indexer." (1983, September) 285 "Inspector Clueseau." (1983, March) 173 "Programmers toolkit." (1984, January) 228
"Protectors." (1982, November) 52
"Protectors." (1983, April) 102
"Pumpkin Adventure." (1982, October) 28
"Q-Man." (1984, April) 254
"Qtax-82" (1983, February) 180
"Quad Data Base." (1982, October) 110
"Quest." (1982, April) 25
"Question and answer." (1984, May) 244
"Quicksort." (1983, November) 283
"Quiz all." (1984, June) 218
"RAM Slam." (1982, September) 88 "Intbasic." (1983, *December*) 290
"Intergalactic Force." (1982, *December*) 49
"Introduction to data communications." (1983, *July*) "Microworks RAM upgrade." (1987, September) 19
"Millborn." (1983, February) 159
"Minefield." (1983, March) 124
"Missile Barrage." (1983, January) 183
"Mission: Empire." (1982, September) 88
"Modem I." (1982, November) 118 "Invader's Revenge." (1982, *November*) 114 "Invaders." (1982, *February*) 17 \*"Inventory Control." (1982, September) 71 "Investigations in integral calculus." (1984, April) "The investor." (1984, May) 214
"Isle of fortune." (1984, January) 262
"JARB Memory Kit." (1982, December) 92
"JARBCODE." (1987, August) 5 "Money Minder II. (1982, *April*) 35
"Money manager." (1984, *January*) 272
"Money." (1983, *January*) 154 "RAM Slam." (1982, *September*) 88 "ROML." (1983, February) 197 "RS-232 expansion cable." (1982, *July*) 47

"RS232 Switcher." (1982, November) 89 "Rail Runner." (1982, December) 173 "Rail Runner." (1982, December) 173
"Rainbow writer." (1983, October) 230
"Rainbow's corner." (1984, January) 246
"Random Basic." (1982, September) 36
"Random Basic." (1984, June) 224
"Reactoid." (1983, November) 282
"Reading Two-Pak." (1982, September) 17
"Recall." (1984, April) 251 "Recipe File." (1982, *November*) 72 "Red Baron." f 7982, *June*) 17 Recipe File. (1962, November) 72
"Red Baron." f 7982, June) 17
"Remote reset." (1983, November) 268
"Remoterm." (1983, March) 170
"Repeat key." (1984, June) 249
"Return of the Jet-I." (1984, April) 266
"Reversi." (1982, December) 173
"Revolution." f 7983, March) 138
"Robot battle." f 7983, April) 140
"Robottack." (1983, July) 233
"Roman Checkers." (1982, November) 55
"Roman numerals." (1984, February) 222
"Rubiconll." (1984, February) 264
"RunCalc." (1982, October) 113
"SAC." (1984, May) 216
"SAM Saver." (1982, November) 58
"SDS80C." (1987, September) 7
"SIGMON." (1987, August) 6
"SISI." (1982, June) 23
"SPLC-1." (1984, January) 296 "SISI."(1982, June) 23
"SPLC-1." (1984, January) 296
"S.E.C.S." (1987, September; 16
"Saspus." (1982, August) 25
"Sav-a-byte." (1983, December) 243
"Scavenge hunt." (1984, March) 256
"Scepter of Kzjrgla." (1982, May) 15
"Schematicdrafting processor." (1984, January)282 "School Maze." (1982, August) 53
"Score-EZ." (1983, October) 245
"Scramble." (1983, July) 43
"Screen machine." (1984, April) 252
"Screen reference card." (1984, February) 234
"Sea dragon." (1983, September) 282
"Sea quest." (1984, May) 247
"Semi-draw." (1982, December) 144
"Serial/parallel converter." (1987, November) 5
"Shark treasure" (1983, April) 144 "Serial/parallel converter." (1987, N "Shark treasure." (1983, April) 144 "Shenanigans." (1984, June) 226 "Silly Syntax." (1982, February) 21 "Skip counting." (1984, April) 257 "Sky-defense." (1982, August) 76 "Slay the nereis." (1984, June) 239 "Small business accounting package." (1983, January) 70
"Smart Modem." (1982, November) 118
"Snoopy and the Red Baron." (1984, January) 234
"Solo Pool." (1983, January) 162
"The Solution." (1982, June) 8
"Sonar search." (1983, November) 281
"Songbook." (1982, November) 54 "Songbook." (1982, November) 54
"Soooper pac." (1983, June) 195
"Soundsource." (1982, June) 11
"The sourcerer." (1984, May) 240
"Space Invaders." (1982, June) 8
"Space War." (1987, December) 14
"Space race." (1983, April) 24 "Space face. (1963, April) 24 "Space shuttle." (1983, August) 278 "Spanish one." (1983, April) 40 "Speak up!" (1983, April) 132 "Speak up!" (1983, April) 132
"Spectaculator." (1982, March) 43
"Spectral Flexplus." (1983, July) 240
"Spectran." (1983, September) 32
"Spectrum Paddle." (1983, January) 134
"Spectrum Stick." (1982, October) 112
"Spectrum control center." (1984, March) 230
"Spectrum light pen." (1983, February) 32
"Spectrum switcher." (1983, February) 32
"Spectrum switcher." (1983, April) 207
"Speed reading." (1984, May) 247
"Spell 'n fix." (1982, July) 26
"Spell-a-tron." (1984, May) 236
"Spell-rite." (1983, September) 218
"Spelling in context." (1983, September) 296
"Spider Attack" (1983, January) 160 "Spider Attack" (1983, *January*) 160 "Spider." (1983, *January*) 160 "The spooler." (1984, *April*) 274 "Spooler." (1984, *June*) 254 "Stagecoach." (1983, *June*) 68
"Star Trench Warfare." (1983, *January*) 168
"Star blaze." (1984, *March*) 250
"Star-DOS." (1983, *February*) 60
"Starblazer." (1984, *April*) 256

"Starfire." (1982, *November*) 52 "Stars." (1982, *October*) 27 "Stars." (1982, October) 27
"Starship Chameleon." (1982, Ju/y) 41
"Starship Hercules." (1983, March) 81
"Startrek." (1982, October) 96
"Statement writer." (1983, December) 266
"Statgraf." (1983, October) 240
"Stellar search." (1984, January) 251 "Stereo composer." (1983, October) 274 "Stinger." (1983, *March*) 134
"Stock Market Analyzer." (1982, *July*) 48
"Stock option strategies." (1983, *July*) 201
"Stockbroker." (1984, *March*) 258 "Stockbroker." (1984, March) 258
"Stress evaluator." (1983, March) 190
"Stripper." (1983, February) 182
"Sub Mission." (1983, January) 165
"Super Color Writer II." (1983, November) 260
"Super Color speller." (1983, November) 266
"Super 'Color' disk zap." (1983, April) 138
"Super pro keyboard." (1983, April) 81
"Super screen." (1983, October) 254
"Synther-7." (1983, April) 156
"TIMS." (1982, November) 41 "TIMS." (1982, November) 41
"TNT-ALYZ." (1983, August) 296
"TP-1 printer." (1983, February) 86
"TRS-80 Color Basic." (1982, September) 90 "TRS-80 Programmer's Sourcebook." (1983, July) 297
"TV graphics editor." (1984, May) 262
"T.UTIL." (1984, June) 269
"Talk Processor." (1982, November) 106
"Talking Graphic Demo." (1982, March) 18
"Talking score-EZ." (1984, June) 225
"Talking speller." (1983, September) 199
"Tape utility." (1983, September) 108
"Taxi." (1984, May) 243
"Teee offf." (1984, February) 227
"Telewriter Disk." (1982, December) 156
"Telewriter-64." (1983, June) 216
"Term talk." (1984, March) 227 "Term talk." (1984, *March*) 227 "Test-aid." (1984, *May*) 258 "Text pro II." (1983, February) 176
"That's Interesting." (1983, November) 264 "Three game pack no. 2" (1984, *April*) 258 "Tic-tac-toe math." (1984, *April*) 290 "Tic-tac-toe math." (1984, April) 290
"Tic-tac-toe." (1983, August) 94
"Time and money." (1983, August) 136
"Time fighter." (1984, March) 272
"Time patrol." (1984, February) 242
"Time teacher." (1983, September) 128
"Tiny Compiler." (1982, September) 89
"Top Stix." (1983, March) 199
"Tower Castle Adventure." (1982, December) 154
"Tower of fear." (1983, March) 124
"Transtar-315 color printer." (1983, December) 242
"Trapfall." (1983, August) 188
"Trek 16." (1982, October) 96
"Trek 80C." (1982, October) 96
"Tutorcode." (1984, March) 246
"UP-1."(1983, January) 121
"Upload." (1983, August) 266 "Upload." (1983, August) 266
"VC." (1984, February) 221 "VDOS." (1983, September) 248
"VDUMP." (1983, October) 238 "VIP terminal." (1984, *January*) 229
"VT-8302 pilot light." (1984, *March*) 240
"Valhalla." (1984, *February*) 214
"Vector addition." (1984, *June*) 238 "Vector addition." (1984, June) 238
"Venturer." (1982, June) 40
"Video Interface Kit. (1982, November) 54
"Video clear interface." (1983, December) 288
"Video plus." (1983, November) 284
"Viking." (1982, July) 64
"Virtual memory loader." (1983, February) 198
"Vocabulary builder." (1983, September) 136
"Voicepak." (1983, November) 278
"Wall Street" (1983, March) 20 "Wall Street." (1983, March) 20
"War Kings." (1982, May) 33
"Warrior and the Wizard." (1983, February) 180
"Wet T-shirt contest." (1983, February) 92
"Whole numbers." (1984, May) 213 "Wild party." (1983, *October*) 270
"Wizard 64." (1983, *December*) 284 "Wizard 64." (1983, December) 284
"Word search puzzles." (1984, March) 232
"Wordclone." (1982, December) 156
"Words about things." (1983, June) 162
"Words that act." (1983, June) 162
"Worksaver." (1982, December) 82
"World History." (1982, September) 20
"Wormhole." (1983, March) 216

"X-pad." (1983, *January*) 84 "Your Color Computer (book)." (1984, *April*) 254 Tour Color Computer (book)." (1984, April)
"Zaksund." (1983, June) 154
"Zarconian marble." (1983, June) 88
"Zaxxon." (1983, June) 154
"Zeus." (1984, January) 294
"101 Hints and Tricks." (1982, October) 100 "101 Hints and Tricks." (1982, October)
"2fer." (1983, December) 260
"20000 Leagues." (1982, November) 56
"3D tic tac toe." (1983, November) 272
"3-d Brickaway." (1982, November) 84
"4 mile island." (1984, May) 280 "64 column model I/III emulator." (1984, May) 208 "64K disk utilities." (1983, July) 284 "64K screen expander." (1983, *April*) 100
"64K upgrade takes a bit of know-how." (1982, *Au*gust) 33 "8-ball." (1983, August) 294 "80C disassembler." (1987, October) 4

### **SIMULATION**

Franklin, William G. "Flying the 'Sopwith with CoCo — an instrument flight simulation in real time." (1983, June) 54 French, Paul. "Iowa lemonade." (1983, April) 60

Latham, Chris; and Erickson, John. "Micro-meltdown: A nuclear reactor simulation." (1983, April) 112 Springer, Charles. "The results are in., (contest)."

(1983, November) 68

Tyson, Robert K. "And the winner is... Election '84." (1983, *November*) 74
Tyson, Robert K. "Strategy football." (1983, *August*)

234

Weber, Thomas G. "WarGame." (1983, November) 90

### **UTILITY-HARDWARE**

Alsop, B. H. "D-board 64K upgrade." (1983, March)

Clements, William C, Jr. "Install a chip-saving power-on' light." (1983, Apr,7J 18 DiStefano, Tony. "Adding function keys to your keyboard." (1984, March) 117

DiStefano, Tony. "Build a speaker/amplifier for your computer." (1983, *November*) 230

computer." (1983, November) 230
DiStefano, Tony. "Construct a finger-saving circuit for your joystick." (1983, February) 156
DiStefano, Tony. "Designing a video monitor output." (1984, May) 188
DiStefano, Tony. "Install your own ROM switcher." (1983, December) 122

Distefano, Tony. "Upgrading your Color Computer 2." (1984, *January*) 130
DiStefano, Tony. "A 12-volt power supply for the CoCo2." (1984, *April*) 149
Ellers, Ed. "RAM/ROM upgrade roundup." (1984,

May) 49

Ellis, Richard S. "Install you own disk drive 'on/off indicator." (1983, *November*) 296

German, J. D. "Cheapstick-a smooth, rugged joys-

tick for less than \$10." (1984, February) 186
Kottke, Richard. "Monitor mod for your CoCo."

(1984, *January*) 179
Meixsell, Dennis. "Build this board for easy interfac-

ing." (1983, *July*) 106

Meixsell, Dennis. "Interface a calculator keyboard to

the PIA." (1983, December) 207

Owen, David. "Build an RS232 device select switch for under \$20." (1983, *December*) 202 Schroeder, Herbert. "DOS 'detach' saves wear and

tear." (1983, *March*) 54
Weston, Dane. "Unlock your joyports and open

CoCo to the world." (1983, December) 56

### **UTILITY-SOFTWARE**

"All in one." (1987, September) 17 Alsop, B. H. "Save storage by packing your data." (1983, September) 314 Blatt, Ted. "Change those print's to print -2's." (1983,

February) 207

Blyn, Steve. "The 'initial' experience can be child's play!" (1982, November) 18

Boyarsky, Oleg. "A most moving message." (1984, January) 96

"CPU speedup" (1987, July) 3 Clements, William C, Jr. "Rockin' through ROM." (1982, August) 29

Cromley, David A. "Check your TV alignment." (1983, March) 201

Curtis, H. Allen. "Little E does big job to Basic." (1984, April) 170

Curtis, H. Allen. "Rainbow check plus for the CoCo and the MC-10." (1984, February) 21

Davis, Gary A. "Make your REMS stand out." (1982,

Dayton, John K. "Upgrading the Shacks screen print program to 32K." (1983, *October*) 290 Deahl, Kenneth G. "Flow gently, sweet listing."

(1983, February) 74
DiStefano, Tony. "GI sound generator: software con-

trol for complex sounds." (1983, *September*) 182 DiStefano, Tony. "Green on black video: 'eye friendly' conversion." (1983, March) 176

DiStefano, Tony. "High speed POKE has effect on CoCo hardware." (1983, *January*) 78
Diercks, Wayne A. "Pilfering in low memory." (1982,

February)1

Diercks, Wayne A. "You and your two-timin' CPU." (1982, *March*) 20 Downard, Dan. "How fast is your CoCo?" (1983,

December) 182

Downard, Dan. "Rainbug III." (1983, July) 234 Downard, Dan. "Rainbug IV." (1983, August) 58 Downard, Dan. "Rainbug V." (1983, September) 306

Downard, Dan. "The Rainbug monitor." (1983, April)

Downard, Dan. "Rainbug redux." (1983, June) 264 Downard, Dan. "Remote operation of the Color Computer." (1983, November) 118

Downard, Dan. "The rewards of non-standard inter-

facing." (1983, *February*) 118
"Driver backup." (1987, *August*) 6
Dubuc, Mike. "Try these test patterns on your color monitor." (1983, August) 100

Ebbert, Jim. "A Mini-calc program." (1982, October)

Falk, Lawrence C. "Converting programs to 80C." (1982, August) 79

"A form of Csave?" (1981, December) 9

Gauvreau, Ray. "Alter your programs with Revfield." (1983, August) 282

Gauvreau, Ray. "A bigger byte for basic (extra 8K for 64K). (1984, January) 74

Gauvreau, Ray. "Tie an ASCII border 'round CoCo." (1983, April) 104

Hall, Mike. "Right justify numbers." (1983, April) 77 Hands, Lester. "Let's look at memory." (1982, December) 54

Hasenstaub, Theodore P. "Make a hex pad loader." (1983, January) 143

Kelty, John R. "A cheap talker for out CoCo." (1983, July) 275

Klement, George E. "Format your video with this worksheet." (1983, *October*) 148

Kolar, Joseph. "For that added touch, you need Append." (1984, January) 62

Kolar, Joseph. "Let's organize that jumble of tapes." (1983, February) 56

Kolar, Joseph. "On printing alphanumerics in eight directions." (1982, December) 62

Krankoski, Richard. "Paging down memory land: It may look like garbage, but it's good." (1983, April)

Lewandowski, Dennis S. "Assembly corner: Let's end those typing errors once and for all." (1983, January) 95

Lishnak, Pat. "Sort numeric arrays fast with machine language." (1982, *August*) 9

Meuse, Richard T. "A super organizer for your tape

files." (1983, *December*) 169 Mir, Jorge. "CMERGEing the easy way." (1983, *October*) 206

Mir, Jorge. "Csave your programs with confidence."

(1984, *January*) 146 Mir, Jorge. "The latest program? Here's a dating system." (1983, February) 58

Mir, Jorge. "Machine tape finder/saver." (1987, December) 12

Mir, Jorge. "Menu maker." (1983, December) 200

Mir, Jorge. "Save ML programs to your disk." (1982,

Mir, Jórge. "Universal data file." (1982, June) 57 Mir, Jorge. "Using the upper RAM of your 64K." (1983, October) 317

Mir, Jorge. "Videoprinter." (1987, October) 3

Mir, Jorge. "64K conversion? Now what?" (1983, January) 166

Morgan, Alan J. "The famous speedup poke in fine detail." (1982, *May*) 32 Morgan, Alan J. "Synchronizing with your SAM

Morgan, Alan J. "Videoprinter." (1987, *October*) 3 Moses, Ray. "Stars fall on 80C." (1982, *June*) 64 Mummaw, Ron. "Using VARPTR, Basic's hidden command." (1983, June) 110

Nolan, Bill. "Let'scall JOYIN to learn ROM call technique." (1982, August) 8

Odneal, Steve. "FLEX can be flexible." (1982, September) 58

Poulin, Edgar. "Offset easy." (1983, April) 172 Preble, Laurence D. "Minidos: Two ring circus for

CoCo." (1983, *July*) 44
Preble, Lawrence D. "FLEX system is powerful addition to world of 80C." (1982, August) 32

Provost, James. "Keytones help input." (1983, April) 77

Provost, James. "Synchronous output can be use-

ful." (1984, *May*) 149 Ray, J. D. "Spruce up your tapes with this cassette label print program." (1983, *June*) 30

"Really using print using." (1987, October) 5 Reeves, Mark. "An 8-bit driver for Basic use." (1982, April) 41

"Reference utilities." (1982, *August*) 74 Reinhart, Alan V. "Memscan—a utility for the memory explorer." (1984, April) 119

'Rem-d-leet." (1982, *January*) 21 Roberts, R. N. "Control your screen." (1983, March)

"Rompack backup." (1981, December) 15

Rosen, Bob. "This will program your keys on Professional Keyboard."(1983, June) 80

Roslund, Charles J. "Auto key repeat." (1982, September) 47

Roslund, Charles J. "Format your LLISTings with FLIST." (1982, December) 86 FLIST." (1982, *December*) 86 Roslund, Charles J. "Protect your screen from the

ravages of scrolling with this machine language scroll protection utility." (1982, November) 46

Roslund, Charles J. "Speed up Basic with ML injections." (1983, *January*) 118 lussell, Bob. "Color Computer memory map."

Russell, Bob. (1983, July) 254

Samm, Hubert E., Jr. "Want a workhorse editor? Here's Mr. Ed." (1983, June) 140

Schrag, Roger. "Four patches for your new ROM." (1984, March) 160

Schrag, Roger. "Multiply your efforts with this keyboard shorthand." (1984, *February*) 188

"Screen printer." (1987, August) 7

Searby, Sue. "What's a monitor?" (1983, March) 174 Smrcina, Richard. "Spell out your error messages." (1984, January) 169 Stearman, Colin J. "The powerful Qsort routine

comes to the Color Computer." (1983, August) 196 Stearman, Colin J. "Qsort for the TRS-80 Color Computer." (1983, July) 112

Sullivan, Steve. "A catalog for your tape." (1983, February) 96

"Thanks for the memories." (1987, August) 4 "Times square header." (1987, November) 5

"Turn off that motor-fast." (1982, February) 30

"Using the editor." (1987, August) 7
Weiss, Arnold. "Unidatfl revisited?" (1982, December) 114

"Wherezitat???" (1982, March) 19

White, Richard A. "Let's look at keyboard input." (1983, March) 192

### WORD PROCESSING

Becker, Barry E.. "A simple word processor." (1982, November) 138

Falk, Lawrence C. "Three new word processors offer a variety of features." (1982, April) 33

Falk, Lawrence C. "Word processing-A comparison of four different systems." (1982, January) 1 Lewandowski, Dennis S. "Assembly corner: Be nice to your printer-give it this AL word processor." (1983, June) 76

Lewandowski, Dennis S. "Assembly corner: tidying up your word processor program." (1983, September) 291

Line justifier." (1987, August) 1

Millican, Oscar. "A simple word processor." (1982, May) 6

"Text editor - word processor." (1987, September) 3 "Word processor." (1987, July) 4

### **AUTHORS**

Albrecht, Bob. "A beginner's guide to cassettefiles."

(1984, January) 110 Albrecht, Bob. "The carefully contrived superhero." (1983, October) 170

Albrecht, Bob. "Creating characters for fun and adventure." (1983, February) 26

Albrecht, Bob. "Design your own champion." (1983, November) 140

Albrecht, Bob. "Roll those bones (and other characteristics)." (1983, March) 12

Albrecht, Bob; and Firedrake, George. "Aloysious and the seven characteristics." (1984, *March*) 138 Albrecht, Bob; and Firedrake, George. "Creating random name files." (1984, May) 113

Albrecht, Bob; and Firedrake, George. "Expanding

your character file programs." (1983, *July*) 248 Albrecht, Bob; and Firedrake, George. "For these three friends the outcome's a bit dicey." (1982, December) 168

Albrecht, Bob; and Firedrake, George. "From tetrato icosahedron, let the good times roll." (1983, August) 74

Albrecht, Bob; and Firedrake, George. "Inputting your role playing characters." (1984, February)

Albrecht, Bob; and Firedrake, George. "Let's venture into the world of let's pretend." (1982, September) 38

Albrecht, Bob; and Firedrake, George. "The mysterious and unpredictable RND." (1982, November)

Albrecht, Bob; and Firedrake, George. "The mysterious and unpredictable RND." (1984, April) 115

Albrecht, Bob; and Firedrake, George. "RND command is one secret to good games." (1982, October) 46

Albrecht, Bob; and Firedrake, George. "Who is this one called CVCVC?" (1983, June) 234

Alsop, B. H. "D-board 64K upgrade." (1983, March)

Alsop, B. H. "Save storage by packing your data." (1983, September) 314

Anthony, Dave. "A teeny tinydump." (1984, February) 306

Bain, Scott L. "An a-mazing game for your fun." (1982, April) 7

Bain, Scott L. "Here's a 120 frame'graphics pad'for

easy animation." (1983, *July*) 53
Ball, Howard Lee. "Nothing can hold a (Roman) candle to this tallying method." (1984, *June*) 65 Bananszak, David. "A little tree-trimming music." (1983, December) 35

Bardus, Sharon. "The young, the old and Color Logo." (1983, October) 210

Barringer, James. "Dog-gone program." (1982, September) 78

Bauter, Curtis J. "CoCo cabinet." (1983, April) 36 Becker, Barry E.. "A simple word processor." (1982, November) 138

Becker, Barry E. "End those sticky relay blues." (1983, August) 81

Becker, Barry E. "Revival (cleaning Gemini-10)." (1984, May) 54

Becker, Rob. "First Saturday in May." (1983, April) 28 Beistel, Phillip. "Doin' the hi-res shuffle." (1983,

July) 196 Bell, Bruce K. "This quiz could be solution to early

math problems." (1983, September) 152 Bennett, Joseph E. "Build a desk for your CoCo."

(1982. March) 16

Bennett, Joseph E. "Chart your flow — and watch

'em go." (1982, *February*) 14
Bennett, Joseph E. "For all your secrets—the full Jarbcode program." (1982, *May*) 50
Bennett, Joseph E. "Get and Put: High-res movement." (1987, *November*) 10

- Bennett, Joseph E.; and I\_aidlaw, C. E. "Parachuteor free fall?" (1982, December) 76
- Benoit, Gary. "Elements." (1983, September) 34 Betts, R. Bartley. "Work on your grammar." (1983, February) 48
- Bish, Charlotte. "Thoughts of a computer widow." (1983, November) 328
- Blatt, Ted. "Change those print's to print -2's." (1983, February) 207
- Blyn, Steve. "Avoiding the avalanche with teacher's aid." (1983, December) 294
- Blyn, Steve. "But, what did I get wrong?" (1983, March) 152
- Blyn, Steve. "Can it recite the 'pledge of allegiance?'" (1983, November) 314
- Blyn, Steve. "Design programs to help children learn." (1982, July) 18
- Blyn, Steve. "Exercise your strings with this vowel checker." (1983, April) 96
- Blyn, Steve. "Finding areas and perimeters in hires." (1984, *April*) 43
  Blyn, Steve. "Good reinforcement means you can't
- frown at me." (1982, *August*) 41 Blyn, Steve. "Guess the missing number." (1984,
- June)121
- Blyn, Steve. "The 'initial' experience can be child's
- play!" (1982, *November*) 18 Blyn, Steve. "Killing flies with the friendly tool."
- (1984, March) 121
  Blyn, Steve. "Learning to create forms of substance." (1983, July) 130
- Blyn, Steve. "Let your computer assist in concept development." (1983, August) 152
- Blyn, Steve. "Make the difficulty level variable." (1982, September) 35
- Blyn, Steve. "Making a bar graph of your child's test scores." (1983, June) 28
- Blyn, Steve. "One graphics screen is worth a thousand alphanumeric characters." (1984, February)
- Blyn, Steve. "A personalized certificate can reward young computerists." (1983, October) 106
- Blyn, Steve. "Programming a computer illiterate school." (1983, September) 50
- Blyn, Steve. "Proper grammar important in educational programs." (1982, October) 26
- Blyn, Steve. "Random often needs a helping hand." (1983, February) 14
- Blyn, Steve. "Reviving a nearly lost art with 'little letter writer." (1984, *January*) 87
- Blyn, Steve. "Sustain children's interest by expanding relevance." (1982. December) 56
- Blyn, Steve. "Swinging with baseball interest can aid educators." (1984, *May*) 190
- Blyn, Steve." 'User friendly' requires friendly users." (1983, January) 92
- Bodiroga, George. "A day at the races." (1984, April)
- Bohne, Bill. "A FORMATR for the Gemini." (1983, June)182
- Boston, William. "Here's an easy way to place orders by mail." (1982, August) 19
- Boyarsky, Oleg. "A most moving message." (1984, January) 96
- Brooks, Sid. "Visible check register." (1984, January; 124
- Bruck, Bill. "Keep track with a mailing list." (1982, October) 86
- Carson, Édward R. "Baseball statistics made easy." (1983, July) 92
- Carson, Edward R. "The financial analyst." (1984,
- March) 50 Carson, Edward R. "The most professional garage
- sale in the neighborhood." (1984, May) 156 Carter, Gary L. "Basketball." (1984, February) 161 Chamberlain, Ross. "Graphics word processing." (1982, December) 136
- Charney, Mark. "Track down errors with this disk
- fixer." (1984, March) 196 Clark, Gregory. "The amazing adventures of Kar-
- (1984, February) 91 Clark, Gregory. "Sir Randolf of the Moors." (1983,
- January) 26 Clark, Gregory. "Twenty odd-ball screen routines."
- (1984, January) 202 Clements, Dave. "Pie graph supreme." (1984, Janu-
- Clements, William C, Jr. "Install a chip-saving
- 'power-on' light." (1983, *April*) 18
  Clements, William C, Jr. "OS-9 meets the Wolfbug
- monitor." (1984, February) 322

- Clements, William C, Jr. "Rockin' through ROM." (1982, August) 29
- Clift, Simon. "What is your compatibility rating?" (1984, February) 292
- Craig, Jeff. "The crown of Merro." (1984, February)
- Cromley, David A. "Check your TV alignment." (1983, March) 201
- Crooks, Robert L. "A common denominator for math study and ease." (1983, *February*) 102
- Curtis, H. Allen. "A challenging word game." (1984, June)138
- Curtis, H. Allen. "Getting more from Pmode 4." (1982, June) 42
- Curtis, H. Allen. "Little E does big job to Basic." (1984, April) 170
- Curtis, H.Allen. "MC-10 memory map." (1984, January) 309
- Curtis, H. Allen. "Prospecting the MC-10." (1984, February) 314
- Curtis, H. Allen. "Rainbow check plus for the CoCo and the MC-10." (1984, February) 21
- Curtis, H. Allen. "Shades of PMODEs 1 and 2 gives you even more colors." (1982, *November*) 78
- Cutter, Norm. "The simplicity of sinelines." (1983, October) 80
- Dana, John W. "Movinggraphics." (1982, December)
- Dana, John W "Son of graphic traffic." (1983, March) 164
- Davenport, Alan. "Master messenger." (1983, November) 42
- Davidson, Kevin. "The demystification of ML on disk." (1983, December) 180
- Davis, Gary A. "Make your REMS stand out." (79S2, March) 12
- Davis, Gary A.; and Davis, Susan. "Try this helpful number-base conversion quiz." (1984, January)
- Davis, Susan P. "CoCo widows." (1984, May) 119 Davis, Susan P. "The computing female." (1984, June)174
- Davis, Susan P. "Fonehome-E.T. could have used
- this one." (1982, *November*) 82
  Davis, Susan P. "Women and the Color Computer."
- (1984, April) 215 Dawson, David. "Glommer: true graphics for 4K."
- (1983, October) 122 Dayton, John K. "Upgrading the Shack's screen
- print program to 32K," (1983, October) 290 Deahl, Kenneth G. "Flow gently, sweet listing."
- (1983. February) 74 Delbourgo, D.; Delbourgo, R.; and Latner, Norman.
- 'Two illusions." (two articles) (1983, March) 28 Delbourgo, Dan; and Delbourgo, Robert. "Picture your face." (1983, *October*) 306
  Delbourgo, R. T. "Who goes on Random Walks."
- (1983, January) 130
- Delbourgo, R. T.; and Delbourgo, D. "More moirefrom downunder." (1982, *November*) 23 Delbourgo, Robert. "A challenge for psychics and
- sleuths." (1983, August) 20
- Delbourgo, Robert. "Fascinating fractals: Geometry of nature." (1983, *July*) 28
- Delbourgo, Robert. "A musical scale generator." (1983, June) 262
- Delbourgo, Robert. "3-D graph plotting of multiple variables." (1983, *June*) 116
- Delbourgo, Robert; and Ferguson, Brian. "Tumble 'brella." (1983, October) 204
- Delbourgo, T.; and Delbourgo, R. "Consequences
- from downunder." (1983, *March*) 110
  Delperdang, Ralph. "Lazy man's disk directory. (1983, December) 216
- Derringer, Dennis. "A change of address." (1984, May) 38
- Derringer, Dennis. "Wallpaper calculator." (1984, June)206
- Dersheimer, Richard. "The eyes have it." (1982, November) 142
- Dersheimer, Richard. "Here's the answer but what was the question?" (1984, *January)* 98 tersheimer, Richard. "Redchase."
- Dersheimer, November) 158
- Dettman, Harvey. "Markup and profit: two for the money." (1984, *March*) 20
- DiStefano, Tony. "Adding function keys to your keyboard." (1984, March) 117
- DiStefano, Tony. "Build a 'Y' adapter for your disk controller." (1983, *July*) 176

- DiStefano, Tony. "Build a speaker/amplifier for your computer." (1983, November) 230
- DiStefano, Tony, "Build this parallel printer interface." (1983, August) 192
- DiStefano, Tony. "Construct a finger-saving circuit for your joystick." (1983, *February*) 156
  DiStefano, Tony. "Designing a video monitor out-
- put." (1984, May,) 188
- DiStefano, Tony. "Equip your computer with a phoneme speech synthesizer." (1984, June) 128
- DiStefano, Tony. "GI sound generator: software control for complex sounds." (1983, September) 182 DiStefano, Tony. "Green on black video:
- friendly' conversion." (1983, March) 176 DiStefano, Tony. "A hardware hackercleans house." (1983, October) 130
- DiStefano, Tony. "High speed POKE has effect on CoCo hardware." (1983, January) 78
- DiStefano, Tony. "How to reduce that RFI on your monitor." (1983, April) 146
- DiStefano, Tony. "Install your own ROM switcher." (1983. December) 122
- DiStefano, Tony. "Memories of the PROM." (1983, June)72
- DiStefano, Tony. "Trouble shooter makes the pro-
- gram pak connection." (1984, February) 330 DiStefano, Tony. "Upgrading your Color Computer
- 2." (1984, January) 130
- DiStefano, Tony. "A 12-volt power supply for the CoCo2." (1984, *April*) 149
- Diercks, Wayne A. "Pilfering in low memory." (1982, February)1
- Diercks, Wayne A. "You and your two-timin' CPU." (1982, *March*) 20
- Dollberg, Donald D. "Visual aids by CoCo." (1984, June)53
- Dollberg, Donald D. "What are those device numbers for?" (1984, January) 163
- Dooman, Bob. "I nvitations made easy." (1983, Januarv) 74
- Downard, Dan. "Getting started with machine lan-
- guage." (1984, *January*) 56 Downard, Dan. "How fast is your CoCo?" (1983, December) 182
- Downard, Dan. "Kid CoCo is no lightweight." (1983,
- August) 174 Downard, Dan. "The new 64K CoCo." (1983, September) 236
- Downard, Dan. "Opening CoCo's library to the MC-10." (1983, October) 196
- Downard, Dan. "Rainbug III." (1983, *July*) 234 Downard, Dan. "Rainbug IV." (1983, *August*) 58 Downard, Dan. "Rainbug V." (1983, *September*) 306 Downard, Dan. "The Rainbug monitor." (1983, *April*)
- Downard, Dan. "Rainbug redux." (1983, June) 264 Downard, Dan. "Remote operation of the Color Computer." (1983, November) 118
- Downard, Dan. "The rewards of non-standard interfacing." (1983, February) 118 Downard, Dan. "Smartsforadumbterminal." (1983,
- March) 160
- Drouillard, Dan. "Craps...as it's played at the CoCo
- casino." (1984, *April*) 67 Dubuc, Mike. "Try these test patterns on your color
- monitor." (1983, August) 100 Dudgeon, Jim; and Dudgeon, Michael. "Videotex to disk." (1982, February) 11
- Ebbert, Jim. "Can you protect Starbase Alpha?" (1982, November) 101
- Ebbert, Jim. "A Mini-calc program." (1982, October) 60
- Eichstaedt, Pete. "EDTASM minus?" (1984, March)
- Ellers, Ed. "RAM/ROM upgrade roundup." (1984, May) 49
- Elliot, Sheila. "LoCo CoCo and the 1812." (1984, June)67
- Ellis, Richard S. "Install you own disk drive 'on/off indicator." (1983, November) 296
- Endres, M. H. "Printing characters on the graphic screen." (1982, May) 8
- Ericson, Robert W. "Building Spectaculator shells." (1983, April) 74
- Ericson, Robert W. "Printing graphic characters on the Microline 82A." (1983, October) 296 Faessler, Chuck. "Pop quiz: Name the 50 capitals."
- (1983, *April*) 34 Fahlberg, T. A. "Your very own interior decorator." (1984, June) 28

- Fahy, Mike. "Boltype: a tutorial on the use of dot graphics." (1984, May) 67 Falk, Lawrence C. "Converting programs to 80C."
- (1982, August) 79
- Falk, Lawrence C. "Do your taxes on your COCO." (1982, March) 8
- Falk, Lawrence C. "Prepare for tax time easily."
- (1982, February) 2 Falk, Lawrence C. "Printers: Overview of some fea-
- tures." (1982, June; 21 Falk, Lawrence C. "A tale of two discs." (1981, December) 3
- Falk, Lawrence C. "Three new word processors offer a variety of features." (1982, April) 33
- Falk, Lawrence C. "Word processing-A comparison of four different systems." (1982, January) 1 Fauske, Wes. "A moveable feast for the CoCo." (1983, August) 28
- Fernold, John. "How healthy are you?" (1982, November) 124
- Firedrake, George; and Albrecht, Bob. "Let's try fantasy role playing games." (1983, *April*) 226 Ford, James H., Jr. "Animation using the X-pad for
- graphics production." (1983, December) 74
- Forsha, Jerry D. "We want our Q-nerd." (1984, May)
- Foster, Leslie A. "Two years of Rainbow." (1983, July) 290
- Foulke, Robert. "Random graphic fun." (1987, December) 8
- Fountain, J. Paul. "Pmode4 graphics dump." (1983, October) 298
- Franklin, William G. "Flying the 'Sopwith with CoCo - an instrument flight simulation in real time." (1983, June) 54
- Franksen, Aaron. "Low resolution drawing." (1983, March) 166
- Fraysse, John W, Jr. "Homing in on a guided missile system." (1983, March) 154
- Fraysse, John W, Jr. "Let's go sailing." (1982, October) 76
- Fraysse, John W, Jr. "Marathon madness." (1983, October) 18
- Fraysse, John W, Jr. "Rainbow roach." (1983, June) 38
- French, Paul. "Iowa lemonade." (1983, April) 60 Furman, Barry R. "The home slot machine." (1984,
- Furman, Barry R. "Hi, there! I'm your friendly acey deucey dealer." (1984, *January*) 26 Garrett, Norman. "Random lab scheduler: utility for
- frustrated teachers." (1983, September) 18
- Garrett, Ron. "Key your checks to accounts." (1982, October) 20
- Garrett, Ron. "Set up for accounts receivable." (1982, October) 118
- Garrett, Ron. "Want some money? Send out a statement." (1982, November) 98
- Gauvreau, Ray. "Alter your programs with Revfield." (1983, August) 282
- Gauvreau, Ray "A bigger byte for basic (extra 8K for 64K).(1984, January) 74
- Gauvreau, Ray. "Tie an ASCII border 'round CoCo."
- (1983, April) 104 German, J. D. "Cheapstick—a smooth, rugged joystick for less than \$10." (1984, February) 186
- German, J. D. "Put your keyboard on the screen." (1984, March) 128
- Germann, Karl. "This routine draws circles around the rest, randomly." (1983, *March*) 191 Giovanoni, Richard. "House\$." (1984, *March*) 162
- Giovanoni, Richard. "Work station on wheels." (1983, July) 218
- Goebel, Kathy. "Make a logo." (1982, October) 50 Goldberg, Morton. "Marquee de fin." (1983, February) 204
- Good, Steve. "Printer spooling will increase your throughput." (1983, *June*) 246
  Gray, Thomas. "Fast, fun and educational—that's speedmath." (1983, *December*) 124
  Gray, Thomas. "Make this handy reusable graphics and "1,4082, Acril 72
- grid." (1983, April) 73
- Gray, Thomas. "Measuring your inches: not just a fraction of knowledge." (1983, September) 122 Griffin, Jim. "Space shutter." (1983, October) 68 Hadley, Joe. "Simply load and...Bingo! Instant fun."
- (1984, April) 89
- Hady, Tom. "Use CoCo to help communicate those Christmas Greetings." (1983, December) 68

- Hall, Chris. "Really combine graphics and text." (1982, November) 26
- Hall, Jim. "Graphics special: the '178' poke." (1983, October) 102
- Hall, Kenneth. "Place your bet!" (1984, April) 195 Hall, Mike. "Four for the show." (1983, *October*) 77 Hall, Mike. "Racing the clock with trailin' trail." (1983, August) 35
- Hall, Mike. "Right justify numbers." (1983, April) 77 Hall, William R. "Custom interface for the Gemini-10." (1983, November) 202
- Hands, Lester. "Let's look at memory." (1982, December) 54
- Hardy, Harry. "Data communications and your Color Computer." (1983, *April*) 78
- Hardy, Harry. "Data communications and your Color Computer." (1983, *June*) 240
- Hardy, Harry. "Hide that disk directory." (1983, October) 46
- Hardy, Harry. "An introduction to synchronous data transmission." (1983, *November*) 173 Hasenstaub, Theodore P. "Build a light pen." (1983,
- April) 90
- Hasenstaub, Theodore P. "Get cracking." (1983, August) 290
- Hasenstaub, Theodore P. "Make a hex pad loader." (1983, January) 143
- Hayden, Joe. "A little string music please." (1984, June)185
- Hefter, Martin. "Living with one disk." (1983, April)
- Hefter, Melvin. "Getting more from the disk directory." (1983, July) 152
- Hefter, Melvin. "One disk is better than two." (1984, March) 291
- Hill, Eddie. "Costcalc: The Manufacturer's cost accountant." (1984, March) 98
- Himowitz, Michael J. "How to be a printer artist in one easy lesson." (1983, November) 126
- Himowitz, Michael J. "Turn your printer into a type-
- setter with Big Print." (1983, *December*) 18 Himowitz, Michael J. "A Valentine printer mystery." (1984, February) 88
- Himowitz, Michael J.: and Nelson, Julius. "Christmas printer mysteries." (1983, December) 54
- Himowitz, Michael J. and Nelson, Julius. "The first Saturday in May." (1984, May) 180
- Himowitz, Michael J.: and Nelson, Julius. "Printer mystery." (1984, January) 144 Himowitz, Michael J.; and Nelson, Julius. "A very
- important man." (1984, March) 169 Hine, Al. "Race the track." (1982, September) 60
- Hoffman, Paul S. "Converting Micropainter to disk." (1984, March) 132
- Hoffman, Paul S. "Launch your next trip from Xpad." (1983, *November*) 292 Hogg, Frank. "SAGE and CoCo don't mix—yet."
- (1984, *March*) 293 Hogg, Frank. "For the CPU of choice: go CoCo."
- (1984, February) 332
- Hogg, Frank. "OS-9? FLEX? Or both?" (1984, June) 278
- Hogg, Frank. "On OS-9 matters, Frank FLEXes his bias." (1984, May) 314
- Hooper, David. "An educational U.S." (1982, March)
- Hooper, David. "Here come the vipers." (1987, December) 5
- Hooper, David. "Mathpal will teach youngsters." (1983, *January*) 111 Hooper, David. "A pumpkin for your window." (1982,
- October) 104
- Hryzak, Wolfgang. "International ping-pong." (1982, September) 41
- Hughes, Don; and James, Jessie. "A face saving addressor for Fred." (1983, *December*) 160
- Hughes, Don; and James, Jessie. "Fred's postcard whacker." (1984, May) 84 Husak, Charles. "The little runner." (1984, March)
- 170
- Hyre, Leonard. "Let CoCo Type help you tighten up that typing." (1984, January) 106
- Hyre, Leonard. "You can bet on wager master." (1984, May) 166
- Inman, Don. "Achieving motion with GET and PUT." (1983, January) 106
- Inman, Don. "The beginning game." (1984, April)
- Inman, Don. "Direct graphic design." (1983, October) 108

- Inman, Don. "Dividing the pie-colorfully." (1984, March) 199
- Inman, Don. "Happy graphic holidays." (1983, December) 188
- Inman, Don. "High resolution graphics techniques are explained." (1982, December) 41
- Inman, Don. "Let's get serious shifting axes in quads I and IV." (1983, June) 90
- Inman, Don. "Looking at Logo from Basic." (1984, May)
- Inman, Don. "A menu is helpful for choosing the right course." (1984, February) 54
- Inman, Don. "Now, let's make some regular polygons." (1983, April) 106
- Inman, Don. "Paint shop." (1983, September 298 Inman, Don. "Prompted graphics program." (1984, Jan-
- uary) 152 Inman, Don. "Running circles around LOGO." (1984,
  - June) 48 Inman, Don. "Techniques for plotting screen graphs."
- (1983, February) 186
- Inman, Don. "Using graphics: Circles and arcs." (1983, July) 168
- Inman, Don. "Using graphics." (1983, March) 102
- Inman, Don. "What you Get is what you Put." (1983, August) 106
- James, Brian. "80C report from West Coast Computer Faire." (1982, May) 20
- Jaworski, John J. "A dungeon master's character sheet." (1984, March) 190
- Kawa, Jeff. "Shuttle graphic." (1984, May) 131
- Kelley, Robert. "Towersof Hanoi." (1982, November) 42 Kelty, John R. "A cheap talker for out CoCo." (1983, July) 275
- Keyes, Michael J. "Cheat at adventure." (1983, February) 99
- Kheriaty, Larry. "Logo, Pilot and computer literacy." (1983, September) 160
- Kimmelman, Paul. "CoCo and the educational administrator." (1982, November) 105
- Kimmelman, Paul. "Education and the Color Compu-
- ter." (1983, April) 224 Kimmelman, Paul. "Education and the Color Compu-
- ter." (1983, June) 232 Kimmelman, Paul. "Furniture for the classroom compu-
- ter." (1983, March) 24 Kimmelman, Paul: and Macali, David. "CoCo as an
- educational bargain." (1983, February) 124 Kimmelman, Paul; and Macali, David. "Establishing a
- CoCo educational network." (1983, January) 154 Kimmelman, Paul; and Macali, David. "Software in the classroom." (1982. December) 146
- Kincade, Steve. "Try your hand at blackjack." (1984, April) 97
- King, David. "Repainting a Pmode4 rainbow." (1983, October) 60
- Klement, George E. "Format your video with this worksheet." (1983, October) 148
- Knight, Glenn B. "Power of attorney." (1983, March) 56 Knolhoff, Mike. "The CoCo open." (1984, February) 68 Kohn, Joseph. "A colorful game of draw: That's color poker." (1983, April) 162
- Kohn, Joseph. "Printout at PMODE4." (1983, *July*) 262 Kohn, Joseph. "Try your hand at color blackjack." (1983, October) 134
- Kolar, Joseph. "Answer the Question 'what happens if...' " (1983, June) 255
- Kolar, Joseph. "Create your own tutorial." (1983, October) 182
- Kolar, Joseph. "Creating a test for the computer widow." (1984, June) 58
- Kolar, Joseph. "Debugging can be fun." (1983, December) 138
- Kolar, Joseph. "Drawing on this blackboard chalks up programming ease." (1983, September) 88
- Kolar, Joseph. "Flaunt your CoCo with season's greet-
- ings cards." (1983, December) 98 Kolar, Joseph. "For that added touch, you need Ap-
- pend." (1984, January) 62 Kolar, Joseph. "Home grown hints and evil eye." (1983,
- November) 306
- Kolar, Joseph. "Learning through program dissection." (1983, July) 148 Kolar, Joseph. "Let's clean up that text screen." (1983,
- September) 278 Kolar, Joseph. "Let's organize that jumble of tapes." (1983, February) 56
- Kolar, Joseph. "Let's share some of your useful hints." (1983, April) 200

- Kolar, Joseph. "Lets take 'Basic' training." (1982, December) 37
- Kolar, Joseph. "More organization: create a tape register." (1983, March) 132
- Kolar, Joseph. "On printing alphanumerics in eight directions." (1982. December) 62
- Kolar, Joseph. "Program appending for fun and profit." (1984, April) 182
- Kolar, Joseph. "Taking Basic training." (1983, January) 10
- Kolar, Joseph. "This one's a piece of cake." (1984, May)
- Kolar, Joseph. "Tidying up your text." (1983, August) 116
- Kolar, Joseph. "What a difference some A's make." (1984, March) 149
- Kolar, Joseph. "When a graphic idea strikes..." (1984, February) 284
- Konecky, Larry. "The CoCo composer." (1983, December) 131
- Konecky, Larry. "CoCo says repeat this tune." (1983, April) 218
- Konecky, Larry. "Let Bibliography file help with that term paper!" (1983, September) 252
- Konecky, Larry. "Let's write some music." (1982, December) 66
- Konecky, Larry. "Tone row composing." (1984, June) 23 Kotcher, Darryl. "Color sketch: a keyboard graphics utility." (1983, October) 161
- Kottke, Richard. "Monitor mod for your CoCo." (1984, January) 179
- Kozubal, John W "Face to face to face to face." (1984, January) 89
- Krankoski, Richard. "Paging down memory land: It may look like garbage, but it's good." (1983, April) 82
- Krebs, Ron. "De-mystifying the PclearO." (1983, September) 112
- Kretschmer, J. C. "Estimating reading difficulty sentence-by-sentence." (1983, June) 148
- Krikorian, Edward. "Create three-dimensional graphics
- with SAR27." (1983, *January*) 170 Krikorian, Edward. "Draw something exotic with Vitex93." (1983, *September*) 206
- Kurowsky, Suzanne. "CoCo clubs." (1983, August) 302 L'Hommedieu, Douglas C. "Hang 'em up." (1983, February) 40
- Laake, Josef A. "The laserworm and the firefly." (1983, November) 220
- Laessig, Mark. "Curvf itz is number cruncher of the first order." (1983, April) 234
- Lai, Stephen. "Boggle clone demands concentration." (1983, September) 60
- Lai, Stephen. "Puzzle sticks and picture maker." (1984, January) 184
- Lai, Stephen. "Three easy pieces: one animator's art." (1983, April) 188
- Latham, Chris; and Erickson, John. "Micro-meltdown: A nuclear reactor simulation." (1983, April) 112
- Lengyel, David. "Half life of nuclear decay." (1983, March) 34
- Lester, Lane P. "An electronic gradebook." (1982, September) 8
- Lester, Lane P. "Illustrating lectures with graphics." (1983, January) 136
- Lester, Lane P. "Render unto IRS." (1983, February) 18 Lester, Lane P. "Screen-to-printer color graphics." (1983, March) 18
- Lester, Lane P. "Supreme Sysop and magnificent modem monster." (1983, *November*) 20
- Lewandowski, Dennis S. "Assembly corner: A look at editor/assemblers." (1983, February) 194
- Lewandowski, Dennis S. "Assembly corner: All's not lost—we've still got fun." (1983, *November*) 298 Lewandowski, Dennis S. "Assembly corner: Assembly
- language makes good graphics easy." (1982, October) 92
- Lewandowski, Dennis S. "Assembly corner: Be nice to your printer-give it this AL word processor." (1983, June)76
- Lewandowski, Dennis S. "Assembly corner: Beyond the 'Vaders.'" (1983, March) 218
- Lewandowski, Dennis S. "Assembly corner: Down to business with this ML graphics game." (1982, November) 90
- Lewandowski, Dennis S. "Assembly corner: Let's blast those 'vaders.'" (1982, December) 106
- Lewandowski, Dennis S. "Assembly corner: Let's end those typing errors once and for all." (1983, January)

- Lewandowski, Dennis S. "Assembly corner: Let's soak up some assembly." (1982, July) 38
- Lewandowski, Dennis S. "Assembly corner: Questions -Questions and some answers for everyone." (1982, September) 73
- Lewandowski, Dennis S. "Assembly corner: Write an ML program to handle BASIC chores." (1983, April) 98
- Lewandowski, Dennis S. "Assembly corner: dabbling with disk." (1983, October) 190
- Lewandowski, Dennis S. "Assembly corner: problems?" (1984, February) 281
- Lewandowski, Dennis S. "Assembly corner: those
- 'strange-looking' listings." (1984, *January*) 222 Lewandowski, Dennis S. "Assembly corner: tidying up your word processor program." (1983, September) 291
- Lewandowski, Dennis S. "Assembly corner." (1982, April) 4
- Lewandowski, Dennis S. "Assembly corner." (1982, May) 47
- Lewandowski, Dennis S. "Assembly corner." (1982, June) 6
- Lewandowski, Dennis S. "Assembly corner." (1982, August) 22
- Lewandowski, Dennis S. "Hardcopy revisited: position independence and a minor debugging." (1984, March) 123
- Liddil, Bob. "Adventuring with style." (1984, February) 205
- Liddil, Bob. "Four books from dragonland." (1984, March) 143
- Liddil, Bob. "Joe journalist interviews a Dragon." (1983, December) 312
- Liddil, Bob. "Keys to creating winning adventures." (1984, February) 52
- Liddil, Bob. "The magic software machine." (1984, January) 218
- Lindsay, Doug. "Color graphic banner." (1984, May) 41 Lishnak, Pat. "Sort numeric arrays fast with machine language." (1982, August) 9
- Ludlum, Bob. "Making four-part harmony easier." (1984, June) 74
- Luetke, Paul N. "Grade averaging could be handy teacher's aid." (1983, September) 228
- Macali, David. "Peripherals for the Color Computer 'joystick dilemma.'" (1983, June) 196
- Manning, Ric. "Teach CoCo to dial up some fun." (1983, November) 122
- Martens, Gordon. "The piano tutor." (1984, *June*) 19 Matice, Norman. "Gone fishing." (1984, *January*) 158 Mauro, Robert. "Merry Christmas to all and to all a good-bye." (1983, December) 205
- Meixsell, Dennis. "Build this board for easy interfacing." (1983, July) 106
- Meixsell, Dennis. "Interface a calculator keyboard to the PIA." (1983, December) 207
- Meuse, Richard T. "A super organizer for your tape files." (1983, December) 169
- Mickle, Dan. "Predicting fallout." (1983, March) 40 Millican, Oscar. "A simple word processor." (1982, May)
- 6 Mir. Jorge. "Advmaker makes adventures." (1982.
- August) 47 Mir, Jorge. "An automatic phone dialer for Radio Shack's Modem II." (1983, November) 53
- Mir, Jorge. "CMERGEing the easy way." (1983, October) 206
- Mir, Jorge. "Csave your programs with confidence." (1984, January) 146
- Mir, Jorge. "Downloading from Videotex." (1987, November) 9
- Mir, Jorgé. "The latest program? Here's a dating system." (1983, February) 58
- Mir, Jorge. "Let's go on a simple Rainbow adventure." (1982, July) 9
- Mir, Jorge. "Machine tape finder/saver." (1987, December) 12
- Mir, Jorge. "Make an index for your disc." (1982, Februarv) 23
- Mir, Jorge. "Menu maker." (1983, December) 200 Mir, Jorge. "Poking memory with a disc." (1982, March) 29
- Mir, Jorge. "Save ML programs to your disk." (1982, April) 42
- Mir, Jorge. "TESTEM will help you prepare for final exams." (1982. May) 17
- Mir, Jorge. "Universal data file." (1982, *June*) 57 Mir, Jorge. "Using the upper RAM of your 64K." (1983,

October) 317

Mitchell, Dennis E. "Business software and the Color Computer." (1984, March) 28

Mir, Jorge. "64K conversion? Now what?" (1983, Janu-

Mir, Jorge. "Videoprinter." (1987, October) 3

ary) 166

- Montes, Martin S. "Losing this action 'Pac-ed' game is a
- real 'pill.'" (1984, January) 70 Montes, Martin S. "Supply water to thirsty urbanites
- with PIPELINE." (1983, June) 258 Morgan, Alan J. "The famous speedup poke in fine detail." (1982, *May*) 32
- Morgan, Alan J. "How much memory?" (1982, January) 19
- Morgan, Alan J. "Synchronizing with your SAM chip." (1982, July) 24
- Morgan, Alan J. "Videoprinter." (1987, October) 3 Moses, Ray. "Stars fall on 80C." (1982, June) 64
- Mosty, Mark S. "Color billbars help chart spending." (1982, April) 19
- Mummaw, Ron. "Using VARPTR, Basic's hidden command." (1983, June) 110
- Myers, Paul Wesley. "Four for fun. (1984, January) 210 Nannen, Jason. "A most dangerous mission." (1984, February) 64
- Nelson, Tom. "Contract basics for the computer user." (1983, August) 226
- Nelson, Tom. "Copyrighting your software part 1." (1983, September) 28
- Nelson, Tom. "Copyrighting your software part 2." (1983, October) 292
- Nelson, Tom. "Copyrighting your software part 3." (1983, November) 212
- Nelson, Tom. "Copyrighting your software part 4." (1983, December) 220
- Nelson, Tom. "Got a program? Get a market!" (1983, June)164
- Nelson, Tom. "Legal discussion on the Color Computer." (1983, April) 56
- Nelson, Tom. "A primer on printers." (1984, May) 288 Nelson, Tom. "A primer on printers part 2." (1984, June) 114
- Nelson, Tom, "The right to know; it's also an obligation," (1984, January) 166
- Nelson, Tom. "The secrets of successful software submissions." (1983, July) 36
- Nelson, Tom. "Starting your own computer business." (1984, March) 212
- Nelson, Tom. "Starting your own computer businessthe first step." (1984, April) 156
- Nielsen, Linda. "Understanding probability will improve your odds." (1983, July) 226 Nolan, Bill. "A complete character generator." (1984,
- February) 178 Nolan, Bill. And now, Igor, the envelope, please." (1984,
- March) 125 Nolan, Bill. "The benefits of role playing are no fantasy."
- (1984, January) 34 Nolan, Bill. "Blow by blow account of an emerging
- combat system." (1983, September) 192 Nolan, Bill. "Computer supported combat is no fantasy." (1983. November) 168
- Nolan, Bill. "Continuing your character record file." (1983, February) 179
- Nolan, Bill. "Create a character file program." (1983, January) 15
- Nolan, Bill. "Create character files with this 'finished' program." (1983, *March*) 202
- Nolan, Bill. "A database manager for dragons." (1984,
- Nolan, Bill. "Demons in the dungeon? Let's see them bite," (1982, September) 22
- Nolan, Bill. "Details of a magic system (and a monster contest)." (1983, December) 228
- Nolan, Bill. "Development of a new fantasy game." (1983, October) 152
- Nolan, Bill. "Dragons are nice folks, too almost all 1440 of them!" (1982, August) 62
- Nolan, Bill. "Fantasy games." (1982, July) 27
- Nolan, Bill. "Heresome new FRP routines." (1982, May)
- Nolan, Bill. "In pursuit of Captain 'Hook.' A report on the piracy seminar at Rainbowfest-Long Beach," (1984. May) 29
- Nolan, Bill. "Keeping the loathsome in line (better monster management)." (1983, *April*) 170 Nolan, Bill. "Let's call JOYIN to learn ROM call tech-
- nique." (1982, *August)* 8 Nolan, Bill. "Make monsters from silicon - and use
- them here." (1982, October) 106 Nolan, Bill. "Now a whole bag of dice." (1982, June) 38

- Nolan, Bill. "Pressed for time? Paint a dragon!" (1982, December) 50
- Nolan, Bill. "Programming the combat system." (1983, August) 170
- Nolan, Bill. "Ready for combat? Draw your crossbow."
- (1983, July) 178 Nolan, Bill. "Slay your turkey with these 'duel' programs." (1982, *November*) 67
- Nolan, Bill. "Using DATA lines to cache your creatures." (1983, June) 124
- Nolan, Sara. "Micro-maestro—using CoCo's PLAY statement." (1982, December) 10
- O'Donnell, Timothy. "Search for words-any words." (1982, December) 130
- Odlin, R. W "Polygons? Gollygons!" (1983, December) 318
- Odneal, Steve. "FLEX can be flexible." (1982, September) 58
- Ostrer, Ken. "Treasures of the Enrakian Empire." (1983, August) 122
- Owen, David. "Build an RS232 device select switch for under \$20." (1983, December) 202
  Paravati, Joseph S. "Flags." (1983, October) 92
- Penrose, Paul. "PLAYing around with your 80C." (1982, July) 22
- Peppenhorst, Stan. "Make authoritative decisions with this situational model." (1983, February) 132
- Peppenhorst, Stan. "Statistics in the classroom: mean and standard deviation." (1983, October) 144
- Pesha, Ronald. "Spelling practice." (1983, March) 198 Peterson, Dale. "Greetings from Uncle Bert." (1983, July) 285
- Peterson, Dale. "Greetings from Uncle Bert." (1983, August) 189
- Peterson, Dale. "Greetings from Uncle Bert." (1983, September) 268
- Peterson, Dale. "Greetings from Uncle Bert." (1983, October) 215
- Peterson, Dale. "Greetings from Uncle Bert." (1983, November) 300
- Peterson, Dale. "Greetings from Uncle Bert." (1983, December) 143
- Peterson, Dale. "Greetings from Uncle Bert." (1984, January) 302
- Peterson, Dale. "Greetings from Uncle Bert." (1984, February) 300
- Peterson, Dale. "Greetings from Uncle Bert." (1984, March) 206
- Peterson, Dale. "Greetings from Uncle Bert." (1984, April) 202
- Peterson, Dale. "Greetings from Uncle Bert." (1984,
- Mav) 185 Peterson, Dale. "Greetings from Uncle Bert." (1984,
- June)123 Phillips, Chris. "This guitar tutor doesn't fret." (1984, June)162
- Phillips, Daniel W. "Dots: A change of pace from outer
- space." (1983, *July*) 83 Plaxton, John. "Flashy program, by thunder." (1983, April) 16
- Plaxton, John. "Script provides remedial help in reading and spelling." (1983, *December*) 194 Plog, Michael. "Changes in the micro revolution." (1983,
- November) 115 Plog, Michael. "Computer consortia consolidations."
- (1984, March) 185 Plog, Michael. "Computers in education: projecting the
- future through research." (1984, June) 51
- Plog, Michael "Education outside the school." (1984, April) 129
- Plog, Michael. "Examining some educational uses of the Color Computer." (1983, August) 194
- Plog, Michael. "Hard copy your diskette listings with style." (1983. March) 126
- Plog, Michael. "Microcomputers: bigger isn't always
- better." (1984, February) 62 Plog, Michael. "Networking for better software evaluation." (1983, September) 84
- Plog, Michael. "Of what value are traditional skills in a
- rapidly changing culture?" (1984, January) 68 Plog, Michael. "Out of diversity, an evolving curriculum." (1984, *May*) 52 Plog, Michael. "Putting a little history in your future."
- (1983, December) 166
- Plog, Michael. "What is computer literacy?" (1983, Oc-
- Pollard, Ed. "Now lookit that!" (1983, January) 164 Pollock, Tommy; and Pollock, Gail. "Bach to basic." (1983, November) 152

- Pollock, Tommy; and Pollock, Gail. "CoCo classics." (1984, June) 131
- Pollock, Ward. "The high adventure of para-jumper." (1983, December) 176
- Popovich, Michael. "The memory game." (1984, January) 116
- Popovich, Michael. "The fun connection." (1984, June)
- Poppe, T Robert. "Stunt pilot." (1984, March) 67 Portela, Henry. "How is how." (79S3, November) 204
- Posner, Judd. "A small business accounting system." (1982, November) 108
- Posner, Judd. "Spectaculator statistics." (1983, Februarv) 10
- Pouch, Arnold. "Motion picture programming the details." (1982, April) 13
- Pouch, Arnold. "Motion picture programming—a program to run." (1982, May) 36
- Poulin, Edgar. "Offset easy." (1983, April) 172
- Preble, Laurence D. "Minidos: Two ring circus for
- CoCo."(1983, *July*) 44
  Preble, Lawrence D. "FLEX system is powerful addition to world of 80C." (1982, *August*) 32
- Preble, Lawrence D. "Stay alive at Outpost Five." (1983, February) 34
- Provost, James. "Keytones help input." (1983, April) 77 Provost, James. "Synchronous output can be useful." (1984, May) 149
- Puckett, Dale L. "From hi-res to high style... coming to life with OS-9." (1983, *December*) 298

  Puckett, Dale L. "A mix of kits, tricks and comments."
- (1984, June) 287
- Puckett, Dale L. "More answers, new products and a major Basic09 program." (1984, March) 298
- Puckett, Dale L. "News, explanations and a checkbook balancing act." (1984, April) 306
- Puckett, Dale L. "Nostalgia, notes and tools of the trade." (1984, January) 132
- Puckett, Dale L "OS-9 users group president's column." (1984, March) 308
- Puckett, Dale L. "OS-9 users group president's column." (1984, April) 317
- Puckett, Dale L. "OS-9 users group president's column." (1984, May) 313
- Puckett, Dale L. "Point, counterpoint, terminal problems and a technical potpourri." (1984, February) 324
- Puckett, Dale L. "The power of OS-9." (1983, October) 178
- Puckett, Dale L. "Sad news, good news, a successful terminal program and some Basic09 tricks." (1984, May) 297
- Puckett, Dale L. "The shell game." (1983, November) 58 Pyne, Jeff. "Measure for measure." (1983, September) 226
- Ray, J. D. "Spruce up your tapes with this cassette label print program." (1983, June) 30
- Ray, J. D. "Summarize income and expenses with home budget analysis." (1983, July) 60
- Ray, J. D. "Up, up and A(merican) way." (1984, March)
- Ray, R. D. "Five year's worth of income tax." (1983, February) 148
- Reed, Jim. "Having an adventure with adventure." (1983, January) 20
- Reed, Jim. "Once again with adventure." (1983, February) 200
- Reed, Jim. "RAINBOWfest report." (1983, July) 122
- Reed, Jim. "RAINBOWfest report." (1984, *January*) 18 Reed, Jim. "RAINBOWfest report." (1984, *May*) 26
- Reed, Jim. "RAINBOWfest report." (1984, June) 26
- Reed, Jim. "The Tandy home computers tour." (1984, January) 22
- Reeves, Mark. "An 8-bit driver for Basic use." (1982, April) 41
- Reid, Chris. "Beautiful Moire patterns." (1982, October)
- Reid, Chris. "CoCo Crypto-a three-star puzzler." (1983, June) 132
- Reilly, Mike. "If it's not the 'F board, how about the '285?'" (1983, June) 160
- Reinhart, Alan V. "Memscan-a utility for the memory explorer." (1984, April) 119
- Remini, Susan. "Make an appointment for better organization!" (1983, November) 33
- Remini, Susan. "Missile barrage." (1983, August) 218 Ricketts, Gregory. "Dungeon adventure." (1983, January) 50
- Ridge, Herbert. "A calendar to keep track." (1982, October) 8

- Ritchie, Gary. "No treads on me, please!" (1984, January) 173
- Robbins, Joel. "Talk about your chopped down Ford." (1983, August) 50
- Roberts, R. N. "Control your screen." (1983, March) 84 Rogers, Robert. "The computer chord finder." (1984, June)179
- Rosen, Bob. "Communicating with your Color Compu-
- ter." (1983, November) 192 Rosen, Bob. "The Dragon is coming!" (1983, Sep-
- tember) 113 Rosen, Bob. "Inside TDP" (1983, February) 154
- Rosen, Bob. "This will program your keys on Professional Keyboard."(1983, June) 80
- Rosen, Bob. "Title video tapes with CoCo." (1982, October) 128
- Roslund, Charles J. "Auto key repeat." (1982, September) 47
- Roslund, Charles J. "Disk directory printout." (1982, March) 31
- Roslund, Charles J. "Format your LLISTings with FLIST" (1982, December) 86
- Roslund, Charles J. "A mini-monitor for machine language use." (1982, October) 38
- Roslund, Charles J. "Protect your screen from the ravages of scrolling with this machine language scroll protection utility." (1982, November) 46
- Roslund, Charles J. "ROM calls the easy way." (1983, July) 18
- Roslund, Charles J. "Speed up Basic with ML injections." (1983, January) 118
- Rothermal, Bruce. "Dump to camera: Photographing your monitor." (1983, *April*) 88
- Rumbant, C. A. "A graphic look at basic trigonometry." (1983, January) 175
- Russell, Bob. "Color Computer memory map." (1983, July) 254
- Russell, Bob. "Color Computer memory map." (1983, August) 254
- Russell, Bob. "Color Computer memory map." (1983, September) 273
- Russell, Bob. "Color Computer memory map." (1983, December) 322
- Rutledge, E. P. "Disk file helps you keep track of everything." (1982, July) 30
- Saito, Fran ; and Albrecht, Bob. "A joyful family experience." (1984, *February*) 132
- Saito, Fran; and Albrecht, Bob. "Mining Rainbow gold." (1984, March) 61 Saito, Fran ; and Albrecht, Bob. "Play together, stay
- together." (1984, June) 198 Saito, Fran; and Albrecht, Bob. "Through ancient caves
- we wended." (1984, April) 162 Saito, Fran ; and Albrecht, Bob. "Watching important
- program evaluators—the children." (1984, May) 60 Samm, Hubert E., Jr. "Want a workhorse editor? Here's
- Mr. Ed." (1983, June: 140 Santee, Charles H. "Strummin' on the ol' CoCo." (1983, August) 130
- Scerbo, Fred. "A 3-D type game to try." (1982, November)8
- Scerbo, Fred; Doppert, Robert; and Haggerty, Dale. "Swamp Wars can win your croix de lillypad." (1982, June)49
- Scerbo, Fred B. "A CoCo triple header." (1984, June) 90 Scerbo, Fred B. "The coaches animated playbook." (1984, March) 82
- Scerbo, Fred B. "Enter the Dragon." (1983, December) 153
- Scerbo, Fred B. "The first CoCo rockfest." (1984, May) Scerbo, Fred B. "Now you can easily generate graphic
- data statements." (1983, November) 160 Scerbo, Fred B. "The screen quizzer." (1984, April) 52
- Scerbo, Fred B. "Snail invaders." (1982, February) 17 Scerbo, Fred B. "Snail's revenge." (1983, July) 138
- Schechter, Gerry. "Roulette: going 'round with lady luck." (1984, April) 25 Schimdt, Jim. "Memory: Brain strain with schmaltz."
- (1983, July) 202 Schmidt, Jim. "Everything you wanted to know about
- hex." (1983, April) 178 Schmidt, Jim. "Three printer utilities." (1982, Sep-
- tember) 51 Schneider, Harold. "Spinning fortune's wheel." (1984, April) 138
- Schrag, Roger. "An FCC fix for EDTASM." (1984, March) 156
- Schrag, Roger. "Disk operator reveals powerful new

14

- routines." (1983, July) 71 Schrag, Roger. "Four patches for your new ROM." (1984, March) 160
- Schrag, Roger. "The limousine utility: a tape to disk transfer vehicle." (1984, January) 48
- Schrag, Roger. "Machine language cassette I/O." (1983, October) 84
- Schrag, Roger, "A more powerful disk backup utility." (1983, December) 28
- Schrag, Roger. "Multiply your efforts with this keyboard shorthand." (1984, February) 188
- Schrag, Roger. "Patching EDTASM to run on Disk." (1982, December) 29
- Schrag, Roger. "Patching the patch: EDTASM to disk revealed." f1983, *April*) 194
- Schrag, Roger. "Superpatch for EDTASM." (1983, September) 66
- Schroeder, Herbert. "DOS 'detach' saves wear and tear." (1983, March) 54
- Scoffin, Brad. "Two for The Composer." (1984, June) 57 Seaberg, Richard. "All in the family tree." (1984, Febru-
- Searby, Paul. "Design and development of application software part 2." (1984, April) 298
- Searby, Paul. "Design and development of application software." (1984, February) 310
- Searby, Paul. "Random BASIC'S..design and development of application software part 3." (1984, June) 282
- Searby, Sue. "Tecky yes." (1982, *November*) 62 Searby, Sue. "The serial/parallel syndrome: what's that?" (1983, *January*) 76
- Searby, Sue. "What's a monitor?" (1983, March) 174 Seay, Walter. "Lines." (1983, August) 80
- Selig, Paul. "Keeping track with quick find." (1983, December) 162
- Selig, Paul. "Three disk utilities give you filing help." (1982, December) 110
- Shelf, Carl. "Sub at 30 fathoms." (1983, March) 144 Shemo, Andrew L. "A winter wonderland." (1984, Feb-
- ruary) 120 Sherrill, Sam. "Analysis of variance: A 'nova' for CoCo."
- (1983, March) 94 Sherrill, Sam. "The feasibility of Color Computer-based
- survey research." (1984, April) 20 Sherwood, Francis. "How much will it cost to buy on
- time?" (1982, October) 70 Shorter, Ted. "Ice lander can be a slick run." (1982, June)
- Sligar, David S. "The wizard's computer: a graphic tale." (1984, January) 84
- Smith, Frank. "MC-10 vs. CoCo: a command summary." (1983, September) 101
- Smith. Randall. "Whatzit? Its a scrambled word game." (1983, July) 124
- Smrcina, Richard. "Spell out your error messages." (1984, January) 169
- Snyder, Dennis. "Building a Color Computer to EPSOM MX printer interface." (1983, June) 20
- Snyder, Stephanie; and Snyder, Bill. "A Hanukkah gift for you." (1983, December) 212
- Speer, Mike. "A cat's heartbeat." (1982, November) 32 Spencer, Barry. "MoCalc—MiniCalc gets a big brother." (1984, April) 186
- Springer, Charles. "The results are in., (contest)." (1983, November) 68
- Stearman, Colin J. "The powerful Qsort routine comes to the Color Computer." (1983, August) 196
- Stearman, Colin J. "Qsort for the TRS-80 Color Computer." (1983, July) 112
- Steiner, John. "Using Elite Calc to track automobile expenses." (1984, March) 178
- Stephens, Matt. "Disksort." (1983, December) 64 Stewart, David A. "Can you deactivate the bomb?" (1983, *March*) 136
- Steyer, David. "Non-graphic printer graphics." (1982, September)72
- Steyer, David. "Sign up and have a Banner day." (1983, January) 190
- Stumpf, Peter. "A Christmas Eve fireplace." (1982, December) 34
- Sullivan, Steve. "A catalog for your tape." (1983, February) 96
- Swanson, Damon. "Make the Good Spooler better." (1984, May) 23
- Sweat, David. "Get into the Hobbit of playing." (1983, January) 122
- Szlucha, David; and Szlucha, Thomas. "A better method for washing your disks." (1983, November)

- Szlucha, Thomas. "The CGP-115 printer: a considerable upgrade." (1984, January) 120
- Szlucha, Thomas. "Peeking into the hidden commands of the MC-10." (1983, September) 99
- Szlucha, Thomas. "Pretty as a picture with CGP-115." (1984, May) 137
- Szlucha, Thomas. "Special delivery." (1984, May) 135 Szlucha, Thomas. "Two for the 10." (1983, August) 67 Szlucha, Thomas F. "How to 'zonk proof your disk
- Szlucha, Thomas F. Thow to 20th proof your disk directories." (1983, *June*) 84
  Szlucha, Thomas F. "Using the block graphics of the Okidata 82A." (1983, *June*) 250
- Tapanila, Glen R. "Let's get trivial." (1983, December) 89 Tchudi, Stephen C. "Using the Color Computer to develop composition topics." (1983, September) 139
- Thonen, Charles M. "The mail mover." (1984, May) 74 Thorsvik, Doug. "Case of the overblown heist." (1984, Mav) 195
- Tilenius, Eric W. "Creating the graphic adventure." (1984, March) 34
- Tilenius, Eric W "Creating the well-blended adventure." (1984, February) 34
- Tilenius, Eric W "The icing on the cake." (1984, April) 34 Touchstone, Terrell. "Color-eyed-o-scope." (1984, Januarv) 80
- Trevor, Alexander B. "Control your home." (1983, February) 160
- Trevor, Alexander B. "Home power control part 4: keep your home on schedule." (1983, August) 83
- Trevor, Alexander B. "The other end of the phone." (1983, November) 288
- Trevor, Alexander B. "Tick tock, CoCo clock." (1983, April) 20
- Trevor, Alexander B.; and Yahn, Charles. "X10 protocol theory: Home power control part 3." (1983, June) 98 Tyson, Robert K. "An introduction to the science of
- image processing." (1984, *February*) 196

  Tyson, Robert K. "And the winner is... Election '84." (1983, November) 74
- Tyson, Robert K. "Eight steps to writing solid software documentation." (1984, February) 130
- Tyson, Robert K. "Strategy football." (1983, August) 234 Urban, John L. "Creating fantasy game characters with strength and wisdom." (1982, January) 6
- Urban, John L. "Generating a FRP character." (1982, February) 18
- Urban, John L. "Making CoCo help as an FRP referee." (1982, March) 32
- Urban, John L. "Random dice methods compared and illustrated." (1982, May) 44
- Urban, John L. "Random numbers make easy fun." (1981, December; 6
- Urbas, Joseph M. "Original Rags for the CoCo keyboard." (1983, September) 218
- Vasconi, Eugene. "A dandy doodler." (1984, June) 89 Vasconi, Eugene. "Holiday greetings." (1984, January) 150
- Wacio, John. "Here is how to pick NFL winners this season." (1982, August) 54
- Wacio, John. "Pick the winners in the NFL." (1982, July)
- Wacio, John. "80C picks the National Football League." (1982, June) 12
- Walrath, Del. "Let's learn how to do a number picking game." (1982, September) 15
- Weber, Thomas G. "WarGame." (1983, *November*) 90 Weide, Dennis H. "Let CoCo keep track of your utility bills." (1983, March) 64
- Weide, Dennis H. "A little printer magic." (1984, May) 18 Weide, Dennis H. "Turn your computer into a cash register." (1983, August) 138
- Weiss, Arnold. "Unidatfl revisited?" (1982, December) 114
- Wells, Geoff. "And now haunted house adventure." (1983, February) 64
- Wells, Geoff. "Go adventuring with GAPAD." (1982, December) 98
- Wells, Geoff. "Go adventuring with GAPAD." (1983, January) 18
- Wells, Geoff. "Handy math drill." (1982, September) 82 Wells, Geoff. "A new way to make words is here." (1982, September) 95
- Wells, Geoff. "Once more we'll go rowing." (1982, No-
- Weston, Dane. "Unlock your joyports and open CoCo to the world." (1983, December) 56
- White, Richard A. "Bits and bytes of Basic." (1983, January) 12

- White, Richard A. "C-language of the 80's." (1983, November) 186
- White, Richard A. "Controlling printer and disk: riding two horses." (1984, June) 38
- White, Richard A. "Developing a program." (1983, June)
- White, Richard A. "Gaining sophistication with printing techniques." (1984, April) 64
- White, Richard A. "Give us more vipers!" (1982, February) 26
- White, Richard A. "How to form 80C user's groups." (1982, May) 27
- White, Richard A. "If 'program control' then fine else gosub confusion." (1983, September) 130 White, Richard A. "Let's look at keyboard input." (1983,
- March) 192 White, Richard A. "Making Spectaculator strut its stuff."
- (1982, June) 31 White, Richard A. "Marrying machine language to
- Basic." (1984, May) 31 White, Richard A. "Memory saving techniques for handling data." (1984, March) 111
- White, Richard A. "A mixed bag of Basic." (1983, August) 30
- White, Richard A. "Net results (basketball statistics." (1984, February) 140
- White, Richard A. "On using Print Using." (1983,
- October) 220 White, Richard A. "Print it bigger than you can." (1983,
- June)198
- White, Richard A. "Stringing along with string variables and functions." (1983, *November*) 198
  White, Richard A. "Understanding cassette and disk file
- operations." (1983, December) 112 White, Richard A. "Welcome to Basic." (1984, *January*) 215
- White, Richard A. "Well-defined variables produce clar-
- ity, conservation." (1983, February) 88
  White, Richard A. "What's bothering you about Basic?" (1984, February) 150
- White, Richard A. "Wrapping up our communications word processor." (1983, July) 183
- Wick, Gary. "Who wrote the Rainbow's first trivia game?" (1983, June) 16
- Wilson, David C. "Genius at work." (1984, January) 24 Wilson, M. P. "An index to The Rainbow?" (1983, Januarv) 126
- Witham. Burton B. "Are you authorized to use this frequency." (1983, December) 40
- Witham, Burton B., Jr. "CoCo knows all the callsigns." (1983, February; 110
- Witham, Burton B., Jr. "Keep a Ham radio log." (1982, December: 124 Witham, Burton B., Jr. "A rapid logger for HAMs." (1983,
- March) 180 Witham, Burton B., Jr. "A super duper for Hams." (1983,
- January) 80 Ziniewicz, George. "Graphics? Here are two...by George!" (1982, November) 86

Leslie A. Foster is a Research Associate with Dalhousie Ocean Studies Programme of Dalhousie University, Halifax, Nova Scotia, Canada.

Here are the statistics of the index.

Assembly Language - 24 articles.

Business -13 articles

Communications -15 articles.

Disk - 30 articles.

Dragon Computer - 3 articles. Education - 88 articles.

Games-154 articles.

General-103 articles

Graphics - 84 articles. Home/Hobby - 59 articles.

MC10 Micro Color Computer - 6 articles.

Music - 21 articles

OS-9 Operating System -17 articles. Printer - 41 articles.

Reviews - 738 articles.

Simulation - 7 articles. Utility-Hardware -18 articles.

Utility-Software - 98 articles. Word Processing - 28 articles.

**TOTAL ARTICLES-1528.** 

Number of author entries - 721.

# THE FOURTH YEAR OF RAINBOW

An Index to the Articles,
Reviews and Authors
Appearing in THE RAINBOW from
July 1984 through June 1985,
including a complete index to
RAINBOW ON TAPE since
its inception, April 1982
through June 1985.

Compiled and Edited by Leslie A. Foster

Copyright® 1985, Falsoft. Int.

AN INDEX TO THE RAINBOW JULY 19S4 - JUNE

This is the third index to the Rainbow, -there have been changes made in response to requests from readers.

-the subject headings have been increased in order to make finding articles easier

-short descriptions of the articles have been added if the title is not clear

-any corrections noted in later issues are indicated

-a program that is on "Rainbow on Tape" is indicated by •

The subject breakdown, and number of items per heading are shown below.

ASSEMBLY LANGUAGE - 10 **BUSINESS-12** CASSETTE - 4 CLUBS-3 COMMUNICATIONS- 12 DATABASE MANAGEMENT - 8 **DISK - 12 EDUCATION - ELEMENTARY - 25 EDUCATION - GENERAL - 22 EDUCATION-LOGO-4** GAME-20 GAME-ACTION-5 GAME-ADVENTURE-18 **GAME-SIMULATION-8 GENERAL-8 GRAPHICS-29** HARDWARE PROJECT - 17 HARDWARE TUTORIAL - 2 HOME APPLICATION-2 HOME FINANCE-14 MUSIC-3 OPERATING SYSTEMS - FLEX - 2 OPERATING SYSTEMS - GENERAL - 1 OPERATING SYSTEMS - OS9 - 20 PASCAL-11 PRINTER- 11 QUESTIONS AND ANSWERS - 23 SOUND SYNTHESIS-1 TUTORIAL - 28 UTILITY-12 WORD PROCESSING -1

PRODUCT REVIEWS-344

**AUTHOR INDEX-340** 

### TOTAL NUMBER OF ARTICLES - 592

This index only covers the last year of publicationthat is from July 1984 to June 1985. For the index to previous issues. eitherseetheJuly 1984 issuefpage 259) or buy it separately (see "Back issue information" in the table of contents). For those of you who do not yet have the last index, here is a breakdown of the first 3 years of the Rainbow:

ASSEMBLY LANGUAGE - 24 **BUSINESS-13 COMMUNICATIONS -15 DISK - 30 DRAGON COMPUTER - 3** EDUCATION - 88 GAMES- 154 GENERAL-103 **GRAPHICS-84** HOME/HOBBY - 59 MC10 MICRO COLOR COMPUTER - 6 MUSIC-21 OS-9 OPERATING SYSTEM -17 PRINTER-41 **REVIEWS-738** SIMULATION-7 UTILITY-HARDWARE-18 UTILITY - SOFTWARE - 98 WORD PROCESSING - 28

TOTAL NUMBER OF ARTICLES- 1528

GRAND TOTAL FOR FOUR YEARS OF RAINBOW -2220

A complete index to "Rainbow on Tape" is included-it is arranged alphabetically by the name of the program, with a short description. It includes all issues from April 1982 to June 1985-a total of about 800 programs.

### ASSEMBLY LANGUAGE

Betts, R, Bartly. "Introducing screen 51." (1984, December) 249\* —51 column text generator.

Betts, R. Bartly, "It's time to assemble round theol' CoCo." (1984. October) 243 • -Tutorial on assembly language.

Betts, R. Bartly. "The one great secret to assembly language." ((985, June) 138\* -Hints on writing ML programs.

Betts, R. Bartly. "School days, school days." (1984, September) 121 • - Tutorial on Assembly lanquage.

Betts, R. Bartly. "Staging the final scene of the 51-column screen." (1955. February) 110\*

Betts, R. Bartly."6809arithmetic—thewayitalladds up." 11985. March)237—Instructions in assembly language programming.
Betts, R. Bartly. "The 6809 instruction set: zeroing in

on the real thing." (1985, January) 242\* —More on the 51 column display.

Betts, R. Bartly: and Bone. Chris. "Covering the bases with assembly language." (1984. August) 236\* -Start of a beginner's assembly language tutorial

Clements. W. C. Jr. "More patches for EDTASMa" (1985. June) 124

Roberts, Steve. "CoComon junior." (1985, February) 164\* —A monitor for machine language programs.

### **BUSINESS**

Bonnell, William S. "Watching your cash flow rate of return." (1985. March) 131 • - Determine the cash flow rate of return and present worth of a project,

Davis, Susan P. "So you want to sell your software part 1. (1985, *March*) 167— Helpful hints on how to set up a software business.

Davis, Susan P. "So you want to sell your software part 2." (1985, April) 154

Kohn, Joseph. "Purchase order-the order recorder." (1985, May) 172\* - Mail order aid.

Mir, Jorge. "PERT: Project evaluation and review technique." (1985, March) 140» -A simple program to do the "PERT" technique. (Corrections, June 1985. page 226).

Myers. Paul. "Finding the ultimate bargain." (1985, March) 18 • —An example of operational research technique.

Ray. J. D. "Landlord's helper part 1." (1985, March) 106\* —System to help manage rental property. Ray. J. D. "Landlord's helper part 2." (1985, *April*)

Searby. Paul. "Design and development of application software part 4," (1984, September) 258 — Accounts payable system, continued from June 1984.

Searby, Paul. "Design and development of application software part 5." (1985, *January*) 280 — Program for small business.

Weide, Dennis H. "CoCo becomes the paymaster part 1." (1985. March) 58 . - A small business payroll package. (Corrections. May 1985. page 148, and June 1985 page 226).

Weide, Dennis H. "CoCo becomes the paymaster part 2." (1985. April)82\*

### CASSETTE

Curtis, H. Allen. "Link." (1985, January) 58» -Concatenates RAM records and writes them to

DiStefano. Tony. "Dualing cassettes." (1984, July) 176—Make your CoCo drive two or more cassettes. Helzler, Ed. "Direct to the rescue." (1985, May)36» -Index to cassette tapes.

Latner, Norman. "Getting the most from your cassette recorder." (1985, January) 76 —Comments on making best use of the cassette recorder.

### **CLUBS**

"CoCo community." (1984. September) 238 -List of Color Computer clubs.

"CoCo community." (1985, January) 252 "CoCo community." (1985. April) 234

### COMMUNICATIONS

Day. R. Wayne. "BBS wrap-up." (1984, November) 66 -A list of BBS's.

Day, R. Wayne. "Farewell to a 'pioneer,' a look at some updates and a review of a new arrival.' (1985, April) 70 —News from the BBS world and

review of Mikeyterm.
Day, R. Wayne. "Modeming across America."(1984, November) 72 —Lesson on terminal programs and hints.

Day. R, Wayne. "Welcome to the world of telecommunications." (1984. October) 126—Getting started with modems and BBS's etc.

Day, Wayne. "A guide to the do's and don'ts of modeming." (1985, February) 39

DiStefano. Tony. "The modem to printer connection "(1984, Oc'oberj66 —Print while using your modem.

Downard, Dan. "Ham radios and CoCos: a great combination." (1984. *November*) 250 Goodman, Martin H. "Weather..or not." (1985, Feb-

Goodflan, Martin H. Weather. of not. (1985, February) 42» —Make your own satellite weather maps. (Correction, Apr., page 226)
Gossette, Frank. "CC Talk: smart terminal pack-

age." (1984, November,) 50 • —A terminal program for the CoCo. (Correction, Jan., 1985, page 232)

LaBonville. Helene M, "RS-232 interface cable for data communication equipment." (1984. November) 89 - Shows how to make your own cable.

Lester, Lane. "Rainboard 1984." (1984, November) -Update to the Rainboard BBS

Sharp. Tony. "Adding an autoanswer. "(1934. November) 18 -Add an auto-answer to the Modem I.

### DATABASE MANAGEMENT

Nolan, Bill. "Developing a database manager part 1." (1984, July) 64 —Creating a disk mailing list program.

Nolan, Bill. "Developing a database manager part

2" (1984, August) 22 Nolan, Bill. \*Developing a database manager part 3." (1984. September) 111» —Developing a disk mailing list program. Nolan, Bill. "Developing a database manager part

4." (1984, October) 32. -Use of direct access disk files.

Nolan, Bill. "Developing a database manager part 5." (1984, November) 245\*

Nolan, Bill. "Developing a database manager part 6." (1984, December) 256\* - Disk mailing list program. (Correction. Feb.. 1985. page 281)

Scerbo. Fred B. The world's easiest database." f/985, June) 152\*

Weir, Robert "JINFILE: a jumbo information handler with some very special features." (1984, November) 162» —Special purpose filing program.

### DISK

Bironas. Dennis. "Super-disk charger puts the 'turbo' in your drives," (1985. June) 113" DiStefano, Tony. "Constructing 16K of EPROM for

your disk controller." (1985, *March*) 54

Duncan. Wayne H. "The disk to tape transfer., track

by track." (1984. August) 229\* - Backup your disks to tape.

Gani, Paul. "Get it together with disk merge." (1985, February) 175\*

Schrag, Roger. \*\*Disk drive speed check." (1984, August) 164\*

Leslie A. Foster is a Librarian with Dalhuusie Ocean Studies Programme in Halifax, Nova Scotia. Canada. He is the co-editor of 'Marine Affairs Bibliography"an index to law of the sea literature, and has owned a Color Computer since April, IV81.

- Schrag, Roger. "A special use tor the DOS command." (1984, November) 140\*
- Stearman. Cotin J. "Cooking with CoCo part 1." 11984. July) 18- —Exploring CoCo's disk operating system. (Correction. Aug.. page 130)
- Stearman, Colin J. "Cooking with CoCo pari 3." 11981. September/ 74\* —Enhance the Disk operating system. (Corrections. Oct., page 237: Nov., page 244)
- Swan. Marvin E. "The diskette directories handler system part 1." 11984. November) 100\* —How to organize your diskette files.
- Swan, Marvin E "The diskette directories handler system part 2" (1984, December) 37 —(Correction, Apr., 1985, page 226)
- tion, Apr., 1985, page 226) Swan. Marvin E, "The diskette directories handler system part 3." 11985. January) 120\*
- Zirnmer, Charles C. "Block out those troublesome granules with Disktest.utl." (1985, *January*) 89\*
  —(Program listing, Feb. 85, p.250)

### **EDUCATION - ELEMENTARY**

- Albrecht. Bob: and Zamora, Ramon. "Binary birthday cakes, tetters and more wordsworths." (1985. January\u00e948 —Comments tor parents ot small children
- AEbrecht. Bob ; and Zamora, Ramon, "Determining the fate of wandering star," (1985, April) 140 Short programs for 3-3 year old children.
- Albrecht, Bob; and Zamora. Ramon. "The gateway to adventure." (1984, November) 81 —Easy to play adventure game.
- Albrecht. Bob; and Zamora. Ramon. "Having fun with number patterns." (1985. February) 253 Exercises for children.
- Albrecht, Bob; and Zamora. Ramon. "Letters, books and dreams of the future." (1984, August) 53—General information useful to parents.
- Albrecht. Bob; and Zamora, Ramon "Play together, team together "(1984, September)44—Examples from the game 'Reverse.'
- Albrecht, Bob; and Zamora, Ramon, "Wandering star finds a gourmet oasis." (1985. May) 181 •
- Albrecht, Bob: and Zamora. Ramon. "Wandering star learns to PEEK." (1985. June) 229\* —Hints on the PEEK command.
- Blyn. Steve. "Gathering information from the CoCo encyclopedia." (1984. December) 174\*
- Blyn. Steve \*\*A geometric treasure hunt." (1985, May) 31 —Elementary coordinate geometry.
- Blyn. Steve. "Helping youngsters develop their dictionary skills." (1984. November) 254 •
- Blyn. Steve "If at first you don't succeed read the directions "(1984, October)52\* Teacheschildren to follow directions.
- Blyn, Steve. "Learning the signs," (1984, August) 107 —Simple additions.
- Blyn. Sieve. "A serindipitious learning experience." f T935. *June*) 45\* —Elementary education game
- Blyn. Steve. "The value of comparison shopping." f 1985, February)HA\* —Consumer education program for children.
- Dacus, Judy M., and Dacus, David M. "The CoCo school marm part 1." (1984. September) 161 — Spelling drill and practice.
- Dacus. Judy M.: and Dacus, David M. "The CoCo school marm part 2" (1984. October) 25\* Spelling drill and practice.
- Para vat i, Joseph S. "The old fashioned clock." (1984, September) 25" —Make your CoCo look like an analogue clock.
- Plog. Michael. "Expanding the computer's role in student testing." (1985. May) 31 Ramella, Richard. "Multo of Mars." ff 985. June,! 18\*
- Ramella, Richard. "Multo of Mars." ff 985. June,! 18\*

   Game to learn multiplication.
- Saito, Fran ; and Albrecht, Sob. "Putting things in order." (1984. Juty)52
  Scerbo. Fred B. "Let CoCo talk you into a better
- Scerbo. Fred B. "Let CoCo talk you into a better education." (1985. February) 113\* —A math program using the Voice-pak.
- Scerbo. Fred B "Them ulti math driller "(1984. September) 225 •
- Taylor, Ja'mes F "The ABC game " (1984, September) 156\* —Game to learn the a-b-cs. (Correction, Jan., 1985, page 232)
- Wilfore. John F. "Word scrambler for spelling lists." (1984. September) 131 •

### **EDUCATION - GENERAL**

- Blyn, Steve. "Computing interest payments." (1985. March) 175\* —Program to demonstrate interest calculations.
- Blyn. Steve- "Createa calendar." (1984. September) 96\* —Make your own calendars on a printer.
- Blyn. Steve. "Does Ihis sentence make sense?" ('1985. April) 161 —Program to drill on sentence structure
- Blyn. Steve "Helping youngsters form categories." (1985. January) 55\*
- Kinney. Gary. "Multiple choice test generator." (1984, September) 57 •
- Kolar, Joseph. "Using tables to assist in programming." (1985, February)236\* —Program to teach English.
- Plog. Michael. "A practical alternative for creating a pupil database." (1985, January) 1S9 —Let your class do something practical.
- Plog, Michael. "Are computers producing unrealistic expectations?"(1984, December)265' —Comments on micros in schools.
- Plog. Michael. "The computer as a classroom tool." (1984, October) 23 —Discussion of the micro in schools
- .Plog. Michael. "The computer as a teacher." f T9B4. July) 43 —The microcomputer in education
- Plog, Michael. "New trends in educational computing." f798H. *June*) 55
- Plog, Michael. "Opposing views on computers in education." (1984, September) 119 —Discussion of the micro in schools.
- Plog, Michael, "A question of intelligence and Anthropomorphic charm." (1985, *April*) 167—Comments about micros in schools.
- Plog. Michael. "Reading vs. computers" (1985. March) 182 —Comments on micros in schools.
- Pfog. Michael. "The rise of the microcomputer." (1984. August) 51 —Use of the micro in schools.
- Plog, Michael. "The 'system' and its important procedures." (1984. November) 252 —Comments on micros in schools.
- Plog, Michael. "Using your computer to help develop classroom material." (1985. February)!!!] —Comments on micros in schools.
- Rhead. Valerie. "Teachers need spirit masters." (1984. September) 140 —Use your printer to make stencils.
- Scerbo, Fred B. "The CoCo tournament programs." (1984. October) 104\* —Program to generate pairings for any type of tournament.
- Scerbo, Fred B. "Getting ready for the fall." (1984. August) 38\* —Super math worksheet generator program.
- Scerbo. Fred B. "Some educational programs to help make learning fun." (1985 April) 74\*
- help make learning fun." (1985 *April*) 74\* Scerbo. Fred B. "Three trips to the well." (1984. July) 162\*—3 programs requested by readers.

### EDUCATION- LOGO

- Inman. Don. "Color Logo with printing." (1984. October) 174 —Discusses the 'print' command in
- Inman, Don. "Education through graphics." (1984.

  August) 134—Some examples of Logo programs.

  Inman, Don. "Exploring the angles of RASIC and
- Inman, Don. "Exploring the angles of BASIC and LOGO." (1984. *July*) 122 -Compare graphics by Basic or Logo.
- Peterson, Dale "Greetings from Uncle Bert," (1984, July) 1)7 —Many Logo examples,

### **GAME**

- Brunotte. Benjamin W. "Rat maze." (1985. May) 105\*
- Clerc. Donald R. "Reverse." (1984, July)G7\* Cummings. Gil. "A'tack of the key bombers." (1984,
- August) 148\* —Simple game for children.

  Dimitri, Amir. "Tell your fortune with Tarot," (1984,
- October J 74\*
  Gage. Larry K. "The mad adder "(1984, September)
- 147\* —Mathematical logic type game.
- Gray, Tom. "Computer cupid." (1985, February) 76\* —Valentine's day game.
- Green. Robert L. "Test your 'eye-q" by liguring the clue." (1985. May) 164\* Eye-Q game.

- Hallen, Tony, "It's a mystery." f?984. September) 90" —Determine the name of a country from clues.
- Hamilton, Daniel. "Space race." (1985. February) 66\*
- Judd, Daryl. "Granny's peg game challenge " (1985. June) 99\* —Like Hi-Q
- Kaste. Martin "The hi-res lowercase punctuation interplanetary fruit fly baby," (1985. January) 140\*
- Knolhoff, Mike. "Hail to the chief's: in pursuit of presidential trivia." (1984. October) 146\*
- Paravati. Joseph S. "Geographies." (1984. September) 177\* —Hi-res game to learn 50 states and capitals.
- Ramella, Richard. "See how your memory stacks against these number jacks." (1985. *May*) 25\* Memory game.
- Richardson. Mel. "Guess right, guess wrong—name that song!" fJ985, June) 163\* Like name that tune
- Rogers. Robert T. "A journey through the jungle." (1984. August) 1S\* Graphics game for 4K. (Correction, Nov., page 244)
- rection. Nov., page 244)
  Scerbo, Fred B. "Return of the Hangmenoids!"
  (1985. May) 131 —Talking hangman game
- Tanzer, Milt. "But, who was Colonel Potter's horsed' (1984. August) 67 —A Trivial Pursuit like game. Taylor, D. "Junk food." (1984, November) 90 \*
- Wagorn, Paul. "Looie wants you to join the penguin patrol." (1985, February) 33\*

### **GAME - ACTION**

- Franklin, Shane. "The road race." (1984. November) 36\* —Agame with racing cars.
- Husak, Charles. "Quest of line dragon's gold." (1984. August) 25\* —Arcade type game. (Correction, Nov., page 244)
- Nov., page 244)
  Petersen, Jens. "Chopper assault" (1985, June)
- Repasy. Michael. "Run for your life!" (1985, April) 18\* —Survival on a strange planet.
- Wood, James H. "Hi-res racer." (1985, *March*) 134\*
   Car racing game.

### **GAME-ADVENTURE**

- Bourgeois, Jacques. "The trip." (1984, August) 90 \*
  —Hi-res adventure game. (Corrections, Oct., page 237; Jan., 1985, page 232)
- Fired rake, George; and Albrecht. Karl. "Every character can do some things well." ()985. *May*) 150 Adventure game hints.
- Firedrake. George; and Albrecht. Karl. "Issuing orders for our heroic fantasy adventurers." (1985, April) 131—Play by mail game for beginners.
- Firedrake, George; and Albrecht, Karl. "Role playing games are effective learning tools." (1985. June) 148 —Comments about adventure games.
- Firedrake. George: and Albrecht. Karl. "Use imagination and creativity with role playing games." ("7985. February) 85\*
- Firedrake, George: and Canfil, Art. "Designing your own adventure." (1985, January) 128\*
- Firedrake, George: and Canfil. Art. "Playing the game of heroic fantasy." (1984, November) 120—Comments about adventure games.
- Firedrake, George; and Canfil. Art. "Role playing games are not computer games." (1984. September) 20—Article about adventure games in general.
- Firedrake, George: and Canfil. Art. "Setting the scene." (1984. August, 232 —How to write adventure games.
- Franks. Bill. "The caverns ot death." (1984. July) 132\*
- Mitchell. Steven C. "Rescue on alpha II." (1984. December) 66\* —Winner of second annual adventure contest, (Correction, Apr., 1985, page 226)
- Nelson. Mark. "The head of the beast." (1984. December) 90\* —Adventure contest winner for
- Nickols, Kevin. "The vole is in." (fas'\*, *December*) 64 Winners of the second an nuat ad venture contest.
- Ramella. Richard. "A nighl of horrors in Lurkley Manor." (1985. MarcriJ42\*

- Scerbo. Fred B. "Answer the challenge of the demon's defiance" (1985, March) 11\* —Originally written for the MC-10
- Springer. Charles. "Experience the thrill of adventure," [7985, March) 33 —Announcement of third annual adventure contest
- Tilenius. Eric. 'The adventure writer's tool kit "(1985. April) 105\* - Tutorial en writing adventures.
- Tilenius, Eric W. "The Arconiax assignment," (1984, July)90\* -Anniversary's cratch and sniff adventure. (Correction, Sept., page 234)

### **GAME - SIMULATION**

- Franklin, William G. "Sopwithwith CoCofiiesagain." ((984. August) 74 \* —Instrument flight simulator. (Correction, Nov.. page 244)
- Meador. Gene. "You gotta pay the rent!" (1984. July) 26\* — 'Monopoly' type game. (Correction, Oct... page 237)
- Pfeifer, Christopher. "Surface!" (1985. April) 42\* -Winner of the second annual si mulation contest-North Pole in a submarine.
- Springer. Charles. "Announcing The Rainbow's 2nd annual simulation contest." (1984, July) 156
- Springer, Charles "The decision has been made!" [7985. April) 36 —Results of the second annual simulation contest.
- St. Jacques, Rene. "Cardio," ((985, April) 58\* Second annual simulation contest graphics winner-simulates hearl attack and treatment.
- Tyson, Robert K. "Computer simulation for fun and profit part 2: exogenous human interaction simulation-the stock market." (1984, August) 119\*
- Tyson. Robert K. "Computer simulations for fun and profit." (1984. July) 186\* —Creating simulations for the CoCo.

### **GENERAL**

- Foster, Leslie A. "Three years of Rainbow." (1984, July) 259-Index from July 1961 to June 1984. Hogg, Frank. "Yet another CoCo2?" (7905, Febru-
- ary<sup>^</sup> 263—Describes the Korean CoCo and XEX. Kolar, Joseph. "Try corresponding with 'talking' computer tapes." (1984, July) tt4 —Correspond
- with cassette tapes with voice and programs. "HAINBOWlesi report " (1985, January) 18
- Reed, Jim. "RAINBOWfesI report." (1984. September) 18
- Rosen, Bob, "My CoCo is not IBM compatible." (1984. October) 238 - Compares CoCo to IBM,
- White, Richard A. "An introduction to spreadsheets." (1985. April) t46 -Overview of spreadsheet software.
- White, Richard A. "Let's create a spreadsheet" (1985. May) 98 - Alternate uses for the spread-

### **GRAPHICS**

- Crooks. Mary. "Like sands through the hourglass." (1985. *January*) 156\* —Shortgraphics routinefor visual entertainment. (Correction, May 1985. page
- Curtis. H. Allen. "Quick draw CoCo." (f985. May) 59\* —Quicker graphics from BASIC.
  Davis, Robert, III. "Of Porsche, these wheels are
- spectacular." (1985. April) 238\* —Graphics program to draw a Porsche.
- Duke. Bill "Ring in the Olympics'" [7984. August) 156\* —Draw the Olympic symbol
- Faulstich, Paul. "Creating Moire patterns in PMODE4," ((984, October) 18\* —(Correction. Feb., t98S, page 281)
- Fearing, Marlene. "Home sweet home." f f985. January) 28\* -USES graphics to draw a house.
  "Graphics quickies." r 7965, January) 146 —7 short
- graphic programs.
- Hoffman. Paul S. "Preserving the classics by patching Art Gallery." (1984. October) MI\* —Print pictures from Art Gallery.
- Inman, Don. "Build a honeycomb from BASIC." [7984, September) 100 —Compares graphics between Basic and Logo.

- "Introducing the CoCo art gallery." ((985. May) 162 -Samples of graphic arti
- Jones. Ed. Clifton, Gene: and Davis. Wayne "The home hurricane tracking station." (1984, October) 161 •
- Judd, Daryl. "Send in the clowns," (1985, June) 80 Graphics demo
- Kalinowski, Francis S. "CoCo season's greeting Cards, "(1984, December) 131 • —Christmas cards on your printer.
- Kohn, Joseph. "For PMODE4 screen enlargement there's Blowup." f 7984, October)S7\* -- Manipulate
- Kolar. Joseph. "Imagination and a few simple graphics techniques." (1984, August) f 58 — Using the CHRS [128) toCHRS (255) graphic set
- Kolar. Joseph. "Practicing Line and Draw without drudgery." (1984. September) 109
- Kolar, Joseph, "Season's greetings," (1984, *December*) 60\* —4 color animated Christmas greeting, Kromeke. Michael B. "Pictures perfect with Prowriter." (1985, May) 18\* -Screen dump program.
- Miller. Paul Vernon. "Different sights and sounds with graphics bazaar." (1985. February) 246\*
- Poulosky, Paul, "Calling All CoCo Nuts." (1985, March) f 64. — Graphics demo of the Rainbow. Preble, Brian. "The art of joystick painting." (1984. October) 97\* -(Correction, Mar., t965, page 229)
- Roden, Brian. "Live and in concert on CoCo's stage." (1985. April) 124\* - Animated graphics while playing music.
- Sado. Rita. "Animatic: automatic animation." (1985, June) 58\*
- Scerbo. Fred B "EZ graphics- '85 style" (1985, January) 32\* - Tutorial on graphics procedures. Scerbo, Fred B. "Football fever part 1." (1984, November) 177\* —Makes football helmets by
- Scerbo, Fred B "Football fever part 2." (1984. December) 107\*

team

- Schmidt, Jim. "Lo-res graphics for the ASCII-ing." (1984. October) 90\*
- Stumpf. Peter. "A Fourth of July celebration." (1984, July)74\* —Music and graphics for the 4th of July.
  Trevor, Alexander B. "It is better to PUT than to GET." (1985. January) 23\*

### HARDWARE PROJECT

- Athey. T. Whit. "Interface your own circuit to the Color Computer." (1984, July) 138 -Build an I/O board for the CoCo. [Correction. Ocl., page 237) Athey. T. Whit; and Athey, Susan C. "Interfacing
- your own circuits part 2: the programmable chip. [(984, August) 138\* - More on the general purpose I/O interface DiStefano. Tony. "Adding a numeric keypad to your
- CoCo." (1985, April) 163 DiStefano. Tony. "Force a cold start from reset with this simple project." (1984. November) 130 -A hardware mod to change reset.
- DiStefano. Tony. "How to hook up the Radio Shack
- voice synthesizer." ((905, May) 55\* DiStefano, Tony. "Lights! Camera! CoCo!" (1984. December) 24 —CoCo controlled light show.
- Goodman. Martin Ha"How to fix your CoCo 2 disk controller." r7985, February) 149
- Howe. Clay "Color Basic ROM switcher" (1985, April) 98
- LaBonville, Helene M. "Get your leet wet with these paddles<sup>1</sup>" f 7984. August) 131 —Make your own iovsticks. (Correction. Oct.. page 237)
- Lewandowski, Dennis. "128K the easy way." (1984. December) 162\*
- Lill. Michael J. "Routing switcher keeps the talk interchanging." ((985. *April*) 32 Expand serial port to handle more devices.
- Schreur, Jan Pieter. "Turn your monitor inside out." (1985, Apri()116 —Invert the video with hardware. Shaver, J. O. "Play your favorite games with no
- wires attached." (1985, June) 105\* -Wireless joysticks.
- Stearman, Colin J. "CoCo chronograph." [7985, June) 83\* -Add a real time clock.
- Stearman, Colin J "Cooking With CoCo part 2." [7984, August) 170\* —How to construct a simple plug-in cartridge programmer for the 2764 SK EPROM. (Correction. Sept., page 234)

- Stearman, Colin J. "Cooking with CoCo part 6." [7984, December] 154\* —Add a parallel port, (Correction, Feb. 1985, page 281)
  Stearman, Colin J, "Cooking with CoCo part 8."
- (19BS, February) 146 How to program an EPROM.

### HARDWARE TUTORIAL

- DiStefano, Tony. "The HALT pin and its function." (1984, September) 174 - Discusses one of the connectors on the cartridge connector.
- DiStefano.Tony. "AlookathowtheMulti-pak interface works." (1985, February) 56

### HOME APPLICATION

- Ball. James D. "Christmas card file and labeler." (1984, Decem/je/J 42 • - (Correction. Mar., 1965, page 229)
- Schmidt, Jim. "File it with The Message Center." (1984, November) 28\* -Use the CoCo for inhome communications,

### HOME FINANCE

- Carson, Edward W. Home management made easier." (1984. November) 132\* -Some routines to calculate interest, etc.
- Hyre, Leonard. "Watching it all add up with the IRA projection." (1984, August) 84\* -Find out the value of your retirement fund.
- Kalinowski. Francis S. "Lil" ole interest monitor" [7984, September) 51 —Calculates the interest earned on up to 11 bank accounts, certificates,
- Lewin, Gordon. "How to figure foreign currency
- exchange rates." (1985, rvfarcfij 161 Lowrie. Patrick H., Jr. "Barometer on the stock market." (1985. March) 170\* —Gauge your own performance on the stock market.
- Mir, Jorge. Take stock of your portfolio with Pro-Color-File." [7984, October) 45 - Shows applications of Pro-Color-File.
- Portillo, Roland B. "Home financial statement," [7985, Marcn)87\*
- Tucker, Walter J. "You can invest in this one—T-Bill computation." (1985. *March*) 753\* —Figure out the benefits of a Treasury Bill investment.
- White. Richard A. "Creating the Rainbow checkbook part 1 ."(1984. September) 126 - Checkbook balancer
- White, Richard A. "Creating the Rainbow checkbook part 2. (1984, October) 250
- White, Richard A "Creating the Rainbow checkbook part 3." (1984, November) 126
- White, Richard A "Creating the Rainbow checkbook part 4." (1984. December) 124
- White, Richard A, "Creating the Rainbow checkbook parts." (1985, January) 233\* — (Correction. Apr., page 226)
- White, Richard A. "Spreadsheet application lor home economics: buying a car." (1985, June) 238

### MUSIC

- Mix. Ron. "Learn the ivory keyboard with piano note tutor." (1985, *June*) 92\* —Assist learning the piano
- Rogers. Hobert T. "Holly, jolly holidays." [7984. December) 18\* —Play your favorite Christmas carols
- Vasconi, Eugene. "Chopin's minute waltz." (1985, June) 130\* - Music demo using PLAY.

### **OPERATING SYSTEMS - FLEX**

Hogg, Frank. "More 128K." (1985, January J 269 Hogg, Frank. "128K and FLEX," [7984, December) 286

### **OPERATING SYSTEMS - GENERAL**

Searby, Paul. "Operating systems: another point of view." [7984, July) 279 - Compares FLEXand OS-

232

### **OPERATING SYSTEMS - OS9**

- Den Beste, Steve. "The 05-9 device driver." (1984, November) 259
- Harris, Timolhy A. "MaiJ09," (1985. June) 249 -Database program in BASIC09.
- Hogg. Frank. "Structure out of chaos' building logical pathways." (/984. August) 246
- Lant? Brian A "Restoring your OS-9 file." (1985, March) 265 McGarry. Donald L. "Hierarchal directory." (1985,
- May) 244 —Complete disk directory in OS-9.
- Middaugh. Lew. "Random numbers for the OS-9 C compiler." (1986. January) 272
- Puckett, Dale. "Genius, assembly tips and a bilingual benchmark." (1984. August) 257
  Puckett. Dale. "Reflections, hopes and five helpful
- listings." (1984. September) 246
- Puckett, Dale L. "Closer to UNIX." (1984. December)
- Puckett. Dale L. "Designing your own procedure files." (1984. July) 291
- Puckett. Dale L. "First anniversay special: an interview wilh Ken Kaplan." (1984. October) 261
- Puckett. Dale L, "Fun with a CoCo Easter Bunny and more." 0985, April) 254
- Puckett, Dale L. "Good application software is essential to OS-9's health." (1985, *May*) 250
- Puckett. Dale L. "News, hints and answers." (1985, June) 2S2 —Questions and answers on OS9.
- Puckett, Dale L. "An overview of programs, corrections and more." (1985. *March*) 256
  Puckett, Dale L. "Potpourri! A medley of hints and
- tips." (198S. February) 269
- Puckett. Dale L. "Transportation to hacker heaven: and two useful routines." (1984. November)2W Robitaille. Charles, "Get a 'boot' oul of OS-9." (1985.
- Schechter. Gerry. "Filecopy-a handy OS-9 utility." (1985. February) 242 -[Correction, May 1985.
- Schechter. Gerry. 'Tidy up listings with Listfile." f1985. February) 275

### **PASCAL**

- Eastham, Daniel Adams. "Block structure and recursion " (1985. January) 261 •
- Eastham. Daniel Adams. "Building a program a piece at a lime." (1985. March) 247 •
- Eastham, Daniel Adams. "Combining Pascal with assembly language." (1985. April) 264\*
  Eastham, Daniel Adams. "Constructing complex
- data." (1984. October) 265\*
- Eastham, Daniel Adams "Examining the Part I." (1984. September) 265\*
- Eastham, Daniel Adams. "Expressions and statements." (1984, August) 250
- Eastham. Daniel Adams. "Graphic-ing with PAS-CAL"(>985. (vfay;235\*
- Eastham, Daniel Adams. "Pointers and the heap." 0985. February) 278
- Eastham. Daniel Adams. "Procedures and functions." (1384. November) 271
- Eastham, Daniel Adams. "Welcome to Pascal."! 1984. Julv) 284
- Eastham. Daniel Adams. "What goes in must come out." (1984. December) 294\*

### **PRINTER**

- Bailey, David\_ "Zoro the zero slasher." (1984. July) -Puts slashes in the zeros.
- Brunotte, Benjamin W "Personalize your printout with Script." (1985. May) 68\* —CGP-115 printer utility.
- Gain. Richard. "Is your printer on-line." (7 984. September) 106
- Kohn, Joseph. "Putting the Okidata ML92 to work." (1985, Mayj89\*
- Lack, Richard. "Get the picture with Gemini screen print." (1Q85. May) 4b\* -Screen dump program. Lai. Stephen "Neat little columns two by two." (1985. May)A2\* —Format listings in two columns.
- "Printer comparison chart." (1985, May) 173 Sanford. James A. "Formatter." (7385. May) 124\* -Program lo format program listings.

- Scotfin, Brad "Casslabl: a music tape organizer." (1984, July) 174\* —Makes cassette labels
- Tobias, Brad. "Miss Liberty." (1984. *July*) 61 —Use Printer art from Nov 83 to draw a Picture.
- White, Richard A "Deciphering printer control codes" (1985. March) 28

### **QUESTIONS AND ANSWERS**

- Downard, Dan. "Downloads." (1984, July) 276 Downard, Dan. "Downloads." f J984, August) 244 Downard. Dan. "Downloads" (1984, September)
- Downard, Dan. "Downloads." (793-4, October; 258 Downard, Dan." Downloads." (1984, *November*) 268
- Downard, Dan. Downloads." (1984, November) 268
  Downard, Dan. "Downloads." (1985, December) 268
  Downard, Dan. "Downloads." (1885, January) 258
  Downard. Dan. "Downloads," (1985, February) 260
  Downard, Dan, "Downloads." (7965, March) 244
  Downard, Dan, "Downloads." (1985, April) 252
  Downard, Dan. "Downloads." (1985, May) 232
  Downard, Dan. "Downloads." (1985, JuneJ 246
  Ellers Ed "Earth to Ed" (1984, July) 190

- Downard, Dan. "Downloads." (1985, June) 246 Ellers. Ed. "Earth to Ed." (1984, July) 190 Ellers, Ed. "Earth to Ed." (1984, August) 240 Ellers, Ed. "Earth to Ed." (1984, September) 236 Ellers, Ed. "Earth to Ed." (1984, October) 234 Ellers, Ed. "Earth to Ed." (1984, November) 190 Ellers. Ed. "Earth to Ed." (1984, December) 172 Ellers, Ed. "Earth to Ed." (1985, March) 82 Ellers, Ed. "Earth to Ed." (1985, March) 82
- Ellers, Ed. "Earth to Ed." (1985, *Marril*) 230 Ellers, Ed. "Earth to Ed." (1985, *Mary*) 220 Ellers, Ed. "Earth to Ed," (7985, June) 156

### SOUND SYNTHESIS

Spiller, Jeremy Analog to digital and back again." (1985. June)36'

### **TUTORIAL**

- Blyn. Steve. "Hexadecimal happiness," (T984, Ju(yJ 150\* —Tutorial on binary, decimal and hexadecimal systems.
- Boyle. John D. "Applying subroutines to simplify and sharpen displays." (1985, February) 131 •
- Boyle. John D. "How not to let the bugs bite in your cassette merge program." (1985. February) 158"
- How to merge programs from cassette.

  Broadwater, Steven R. "Floating point math." (1985, February) 18 - Explains math bug in 1.1 ROM.
- DiStefano. Tony. "How to follow a memory map," (1985. June) 144
- DiStefano. Tony. "An introduction to the inside of CoCo2." (1985. *January*) 68 —Shows what is inside the CoCo2.
- DiStefano, Tony. "Popular misconceptions and common problems." (1984, August) 190 —Helpful hints about disk I/O. sticky keys. etc.
- Ellers, Ed. "EDIT mode subcommands." (1985, May)
- Kluck, Andy. "Everything you always wanted to know about the CoCo but Radio Shack didn't tell you! (1984. August) 109 - Expands the Radio Shack documentation.
- Kluck, Andy. "Everything you always wanted to know about the Color Computer but Radio Shack didn't tell you." (19S4. September) 36- Speed up tape I/O, another way to merge cassette pro-
- Kluck, Andy. "Everything you always wanted to know about the Color Computer but Radio Shack didn't tell you."(1984. October J 3S - How Get and Put can speed up animation.
- Kluck, Andy "Everything you always wanted to know about the Color Computer but Radio Shack didn't tell you." (1984. November) 157 - Disk basic and hex and octal conversions.
- Kluck. Andy "Everything you always wanted to know about the Color Computer but Radio Shack didn't tell you." (1984, December) 30« --Gives details of the various CoCo ROM's.

- Kolar. Joseph. "Finding a wealth of CoCo knowledge in Rainbow hints." (1984, December) 245\* -Hints for newcomers.
- Kolar, Joseph. "Further venturing with program tables." (1985. March) 97\* - More hints for newcomers.
- Koiar. Joseph. "Getting better acquainted with the DRAW statement." (1985. June) 158"
- Kolar. Joseph. "Make the most of versatile EDIT." (1985, April) 242\* - Instruction on the EDIT command.
- Kolar, Joseph. "An open-ended exploration." (1985, January) 85\* —Hints for newcomers,
- Kolar, Joseph. "A problem solver's day at the races. (1984, October) 60 - Mathematical problem solving example.
- Kolar, Joseph. "Simple programs: a learning experience for all." (1984, *November*) 151 —An introduction for newcomers.
- Kolar. Joseph. "Teaching CoCo its ABC's." (1985, May) 144\* —Use of the DRAW statement.
  Stearman, Colin J. "Cooking with CoCo part 4."
- (1984, October) 180\* Some patches to make keyboard entry easier.
- Tauti. T. C. "Joystick-to-itiveness." (1985, March) 232\* -How to use joysticks to make selections from a menu.
- White. Richard A. "Analyzing more BASIC." (1985, February) 152\* - Uses Rainbow checkbook to explain some programming.
- White, Richard A. "Variables revisited," (1984, July) 128 —Hints about using variables in Basic.
- White, Richard A, "Weird and wonderful." (1984. August) 115 —How to get a Print Using in Color Basic.
- White. William R. "Simplifying use of the SOUND command." (1985, JuneJ 42)
- Witham, Burt, Jr. "To pack or not to pack: that's an easy question." (1984. October) 140 - Discusses compressing Basic statements.

### UTILITY

- Behr, Gary L. "The keyboard cassette editing system." (1985, January) 42\* - Short program to start and stop cassette.
- Betts. R. Barlly. "At your request: Readers' most frequent questions answered." (1985. May) 73\* -More on the 51-column screen.
- Chadwick. Curt "CLOAD command fixer." (1984. November) 116\* -Patch to make CLOAD work better.
- Curtis, H, Allen. "Expanding Little e's powers." (1984. October) 119\* - Enhancements Ioan editor from April 1964.
- Curtis, H. Allen. "Scroll control and LLIST masterr." (1985. January) 150\* - (Correction, Apr., page 226) Curtis, H. Allen. "Trap that error." (1984. August)
- 61» -Adds an'on error goto'like syntax. (Correction, Oct.. page 237) Davidson, Michael. EZ list." (1984, November) 23 •
- -Machine program to make listing programs eas-
- Dwight, Jettrey. "Put your programs on 'automatic!" (1985, February) 128\* -Auto-load programs. Robbins. Joel. "CoCopadd.!"f 7985. February) 140\*
- -Convert CoCo to a calculator. flutter, Richard W. "Enhance your keyboard input with bulfer stuffer." (1985, February) 90\* —A machine language program to add new com-
- Stearman, Colin J. "Cooking with CoCo part 5." (1984. November) 146\* -Some new commands for CoCo. (Correction. Jan., 1985. page 232)

mands.

Stearman. Colin J. "Cooking with CoCo part 7. (1935. January) 164\* -Some more additions to CoCo's vocabulary.

### WORD PROCESSING

Basargekar, Ashok. "A si m pie text processor." (1985. January) 103\* - Assembly language word processor. (Correction. Mar., page 229)

### AUTHOR INDEX

- Albrecht, Bob; and Zamora, Ramon. "Binary birthday cakes, letters and more wordsworth. (1985, January) 46 - Comments lor parents
- Albrecht. Sob . and Zamora, Ramon. "Determining the (ate of wandering star." (7905. April) 140 Short programs for 3-8 year old children.
- Albrecht, Bob; and Zamora. Ramon. The gateway to adventure." (19S4. November) 81 • - Game
- Albrecht. Bob; and Zamora, Ramon. "Having fun with number patterns." f7985, February) 253 -Exercises for children.
- Albrecht, Bob; and Zamora. Ramon. "Letters, books and dreams of the future." (1984. August) 53 General information useful to parents.
- Albrecht, Bob . and Zamora. Ramon. "Play together. learn together."/1934, September) 44 - ^Examples from the game 'Reverse.'
- Albrecht. Bob : and Zamora. Ramon. "Wandering star finds a gourmet oasis." f 7965. May) 181 •
- Albrecht, Bob; and Zamora. Ramon. "Wandering star learns to PEEK." (19S5. June)229\* -Hints on the PEEK command.
- Athey. T. Whit "Interface your own circuit to the Color Computer" (7gg4, July) 138 - Build an I/O
- board for the CoCo. (Correction, Oct., page237) Athey, T. Whit; and Athey. Susan C. "Interfacing your own circuits part 2: the programmable chip. (1984. August) 138 --- More on I/O interface.
- Bailey, David "Zoro the zero slasher." f 7984. July) 84\* -Puts slashes in the zeros.
- Sail, -James D. "Christmas card file and labeler." (1984. December) 42\* - (Correction. Mar., 1985.
- Basargekar. Ashok. "A simple text processor. "f 1985, January) 1 03 • - Assembly language word processor (Correction. Mar., page 229)
- Behr, Gary L. "The keyboard cassette editing sys-11935, January) 42. - Short program to start and stop cassette.
- Belts, R. Bartty. "At your request: Readers' most frequent questions answered." (1985. May) 73\* - More on the 51-column screen.
- Belts. R. Bartly. "Introducing screen 51." (1984. December) 249» —51 column text generator.
- Betts, R. Bartly, "It's time to assemble round the ol" CoCo."(1984. October; 243 • —Tulorialonassembly language.
- Belts. R. Bartly. "The one great secret to assembly language." (1985. *June*) 138\* —Hints on writing ML programs
- Belts, R Bartly. "School days, school days." (1984, September) 121 - - Tutorial on Assembly.
- Belts. R. Bartly. "Staging the final scene of the 51column screen." (7935. February) 1f0»
- Betts, R. Bartly '6809 arith metie-the way if all adds up." (1985, March) - Instructions in assembly.
- Betls. R. Bartly. 'The 6809 instruction set: zeroing in on 'Ihe real thing.'" (1985. January) 242\* - More on the SI column display.
- Betts. R. Bartly: and Bone, Chris. "Covering the bases with assembly language" (1984. August/ 236\* —Start of a beginner's assembly language tutorial.
- Bironas. Derm is. "Super-disk charger puts the 'turbo' in your drives." | 1985. June) 113»
- Blyn, Steve. "Computing interest payments." (1985, March) 175\* —Program to demonstrate interest calculations
- Blyn, Sieve "Create a calendar." (1984, September J 96» —Wake your own calendars on a printer.
- Blyn, Steve. "Does this sentence make sense?" (1985, April) 1S1 » - Program lo drill on sentence structure
- Blyn. Steve. "Gathering information from the CoGo encyclopedia." f 1984. December) 174\*
- Blyn. Steve. "A geometric treasure hunt." (1985, Mayi 81 • - Elementary coordinate geometry.
- Blyn. Steve. "Helping youngsters develop iheir dictionary skills." (1984. November, 254"
- Blyn, Steve. "Helping youngsters form categories." (1985. January; 55"
- Blyn. Steve. "Hexadecimal happiness " (1984, July) 1 SO • -- Tutorial On binary, decimal and hexadecimal systems
- Blyn. Steve. "It at first you don't succeed read the

- directions" (1984. October;52. Teacheschildren to follow directions.
- Blyn, Steve- "Learning the signs." (1284. August) 107 • —Simple additions.
- Blyn, Steve. "A serindipitious learning experience." (1985. June) 45\* - Elementary education game
- Blyn, Steve: "The value Of comparison shopping." (1985. February )&4\* —Consumereducation program forchridren.
- Bonnell, William S. "Watching your cash How rale of return." (1985. March) 131 • — Determine the cash flow rate of return and present worth of a project.
- Bourgeois. Jacques. "The trip." (1984. August) 90\* Ht-resadvenluregame. [Corrections, Oct., page
- 237; Jan.. 1985. page 232)
  Boyle. John D. "Applying subroutines to simplify and sharpen displays." (1985, February) 131 \*
- Boyle. John D."How not to letthebugsbiteinyour cassette merge program." (1985, February) 158» --How to merge programs from cassette.

  Broadwater. Steven R. "Floating point math." (1985.
- February) 18 Explains math bug in 1 1 ROM
- Grunotle, Benjamin w. "Personalize your printout with Scripl." (1985, May) 66\* -CGP-115 printer
- Brunotte. Benjamin W. "'Rat maze." (1985. May)
- Carson, Edward W. "Home management made easier." (1984. November) 132\* - Some routines to calculate interest, etc.
- Chadwick. Curt. "CLOAD command fixer." (1984. November) 116" -Patch to make CLOAD work
- Clements, W. C. Jr. "More patches (or EDTASM." (1985, June) 124
- ClerC, Donald R 'Reverse " (1984. July) 67
- Crooks, Mary. "Like sands through the hourglass."

  (1935, January) 156" —Short graphics routine for visual entertainment. (Correction, May 1985, page
- Cummings, Gil. "Allack of the key bombers." (1984. August) 148\* —Simple game for children. Curtis, H. Allen. "Expanding Little e's powers."
- (1984. October) 119» Enhancements to an editor from April 1984.
- Curtis, H. Allen. "Link." (1985, January) 58 -Concatenates RAM records and writes to tape
- Curtis. H. Allen. "Quick draw CoCo." (1985, May) 59\* —Quicker graphics from BASIC.
- Curtis. H. Allen. "Scroll control and LLIST master r." (1985. January) 150\* -(Correction. Apr., page
- Curtis. H. Allen. "Trap that error." (1984. August) -Ad dsan'OnerrOrgotolike syntax (Correction. Oct, page 237)
- Dacus, Judy M.; and Dacus, David M." The CoCo school marm part 1," (1984, September) tS1 • Spelling drill and practice.
- Dacus, Judy M. and Dacus. David M. "The CoCo school marm part 2." (1984. October) 25\* Spelling drill and practice.
- Davidson, Michael. "EZ list." (1934, November) 23 • - Machine program to make listing easier.
- Davis, Robert. III. "Of Porsche, these wheels are spectacular." (1985. April) 238i -- Graphics program to draw a Porsche.
- Davis. Susan P. "So you want to sell your software parti "(1985, March) 167-Helpful hints on how to set up a software business.
- Davis. Susan P. "So you want to sell your software pari 2." (1985. April) 154
- Day, Wayne. "A guide to the do's and don'ts of modeming." (1985. February) 39
- Day, R. Wayne. "BBS wrap-up." (1984. Novemoen 66-A list of BBS's.
- Day. R. Wayne. "Farewell to a 'pioneer.' a look at some updates and a review of a new arrival." (1985. April) 70 -News from the BBS world and review of Mikeyterm
- Day, R. Wayne "Moderning across America" (1984, November) 72 - Lesson on terminal programs and hints.
- Day, R, Wayne, "Welcome to the world of telecommunications." (1984. October) 126 Getting started wilh modems and BBS's etc.
- Den Beste, Steve. "The OS-9 device driver." (1984. November) 259
- DiStefano, Tony "Adding a numeric keypad to youi CoCo." (1985. April) 163

- DiStefano. Tony. "Constructing 16K of EFROM for your disk controller." (1985, March) 54
- DiStefano. Tony. "Dualing cassettes." (1984, *July*) 176—Make your CoCodrive two or more cassettes.
- DiStefano. Tony. "Force a cold start from reset with this simple project " 11984 Novemberi 130 -A hardware mod to change reset
- DiStefano, Tony. "The HALT pin and its function." 11984. September) 174 - Discusses one of the connectors on the cartridge connector
- DiStefano. Tony "How to follow a memory map." (1985, June) 144
- DiStefano. Tony. "How to hook up the Radio Shack voice synthesizer." (1985. May) 55\*
- DiStefano, Tony "An introduction to the inside of CoCo2." (1985. *January*) 68 Shows what is inside the CoCo2.
- DiStefano. Tony. "Lights! Camera! CoCo!" (1984. December) 24 — CoCo controlled light show.
- DiStefano. Tony. "A look at how the Multi-pak interface works" (1985. February) H6
- DiStefano Tony "The modem to printer connection (1984. October) 66 - Print while using your modem.
- DiStefano. Tony. "Popular misconceptions and common problems." (1984. August, 190 —Helpful hints about disk I/O. sticky keys, etc.
- Dimitri. Amir. "Tell your fortune with Tarot." (1984. October) 74\*
- Downard. Dan. "Downloads" (1984. July) 276 Questions and answers.
- Downard, Dan. "Downloads." (1984. August) 244 Downard, Dan "Downloads." (1984. September)
- Downard. Dan. "Downloads." (1984, October) 258
- Downard. Dan. "Downloads." (1984. November)268 Downard. Dan. "Downloads." (1984. December) 258
- Downard, Dan. "Downloads." (1985, January) 258 Downard, Dan. "Downloads." (1985, February) 260
- Downard. Dan. "Downloads." (1985. March) 244 Downard. Dan. "Downloads." (1985. April) 252
- Downard. Dan. "Downloads." (1985. May) 232 Downard. Dan. "Downloads." f 7985. June) 246
- Downard. Dan. "Ham radios and CoCos: a great combination." (1984. November) 250
- Duke. Bill. "Ring in the Olympics!" (1984, August) 156« —Draw the Olympic symbol.
- Duncan. Wayne H. "The disk to tape transfer .track by track." (1984. August) 229\* -Backup your disks to tape
- Dwighi, Jeffrey. "Put your programs on "automatic."' (1985, February) 128\* -Auto-load programs.
- Eastham, Daniel Adams. "Block struct Lire and recursion." (1985, January) 261 »
- Eastham. Daniel Adams. "Building a program a piece at a time " (1985. March) 241\*
- Eastham. Daniel Adams. "Combining Pascal with assembly language." 1985. April/ 264\* Eastham. Daniel Adams "Constructing complex
- data." (1984. October) 265" Eastham. Daniel Adams. "Examining the Part I." (1984. September) 265\*
- Eastham Daniel Adams "Expressions and statements." (1984. August) 250
- Eastham. Daniel Adams. "Graphic-mg with PAS-CAL." (1985, May)215\*
- Eastham, Daniel Adams. "Pointers and the heap."
- (1985. February)278 Eastham, Daniel Adams. "Procedures and func-
- tions." (1984, November/ 271 Eastham. Daniel Adams. "Welcome to Pascal" (1984,
- July) 284 Eastham, Daniel Adams "What goes in must come
- out." (1984. December) 294\* Ellers. Ed. "EDIT mode subcommands." r 1985. May) 148
- Ellers. Ed. "Earth to Ed. (1984. July) 190 . -Questions
- and answers

- Ellers, Ed. "Earth (o Ed." (1984. August) 240
  Ellers, Ed. "Earth to Ed." (1984. September) 236
  Ellers, Ed. "Earth to Ed." (1984. October) 234
  Ellers, Ed. "Earth lo Ed." (1984. November) 190
  Ellers. Ed. "Earth to Ed." (1984, December) 172
- Ellers. Ed. "Earth to Ed." (1985. *January*) 175 Ellers. Ed. "Earth to Ed." (1985. Marcr?) 82
- Ellers. Ed. "Earth to Ed." (1985. April) 230 Ellers. Ed. "Earth to Ed." (1985. May) 228
- Ellers. Ed. "Earth to Ed " (1985. June) 156
- Faulstich. Paul. "Creating Moire patterns in

- PM0DE4" (1934. October) 18\* -(Correction, Feb., 1985, page 281)
- Fearing, Marlene, "Home sweet home." (1985. January) 28. -- Uses graphics to draw a house.
- Firedrake. George: and Albrecht. Karl. "Every character can do some things well." (1985. May) 150 Adventure game hinls.
- Firedrake, George: and Albrecht. Karl. "Issuing orders for our heroic fantasy adventurers." f1985. April) 131 —Play by marl game for beginners.
- Firedrake. George; and Albrecht. Karl. "Role playing games are eflective learning tools." (1985. June) 148 —Comments about adventure games.
- Firedrake. George; and Albrecht. Karl. "Use imagination and creativity with role playing games. 11985. February) 85
- Firedrake, George , and Canfil, Art, "Designing your own adventure." (19S5. January] 128\*
- Firedrake. George, and Canfil, Art. "Playing the game of heroic fantasy." (1984. November) 120 -Comments about adventure games.
- Firedrake. George; and Canfil, Art. "Role playing games are not computer games." (1984. September) 20 -Article about adventure games in
- Firedrake, George . and Canfil, Art. "Setting the scene." (1984. August,! 232 - How to write adven-
- Foster. Leslie A. "Three years of Rainbow," (1984. July) S59 -Index from July 1981 to June 1984.
- Franklin. Shane. "The road race." (1984, November) 36\* -A game with racing cars,
- Franklin, William G. "Sopwith with CoCo flies again." 11984, August) 74\* --Instrument flight simulator. [Correction. Nov., page 244)
- Franks, Bill. "The caverns of death." (1984. July) 132 •
- Gage, Larry K. "The mad adder." (1984. September) —Mathematical logic type game.
- Gain. Richard. "Is your printer on-line." (1984, September i 106
- Gam. Paul. "Get it together with disk merge." (1985, February) 175 •
- Goodman. Martin H. "How lo fix your CoCo 2 disk controller." (1985. February) 149
- Goodman, Marlin H. "Wealher,,or not." (1995, February) 42\* - Make your own satellite weather maps. (Correction, Apr., page 226)
- Gossette, Frank. "CC Talk: smart terminal package." ft 984, November)5Q\* A terminal program for the CoCo. (Correction, Jan., 1985, page 232)
- Gray. Tom. "Computer cupid." (1985. February) 7B\* —Valentine's day game.
- Green. Robert L. "Test your "eye-q' by figuring the clue." (1985. May) 164\* — Eye-Q game. Hallen. Tony. "It's a mystery." 11984, S
- 11984, September) -Determine the name of a country from clues.
- Hamilton, Daniel. "Space race." (1985. February) 66\*
- Harris. Timothy A. "MailOS." (1985, June) 249 -Database program in BASIC09. Hetzler. Ed. "Direct to the rescue." (1985, May) 36\*
- -Index to cassette tapes.
- Hoffman. Paul S. "Preserving the classics by patching Art Gallery." 11984. October) 131 —Print pictures from Art Gallery.
- Hogg. Frank. "More 128K." (1985. January) 269 Hogg. Frank. "Structure out of chaos: building logi-
- cal pathways." (1934. August) 246 Hogg. Frank. "Vet another C0C02?" (1985. February) 263 - Describes the Korean CoCo and XEX. Hogg, Frank "I?SK and FLEX." (1984, December)
- Howe, Clay. "Color Basic ROM switcher." (1935. April) 98
- Husak. Charles. "Quest of the dragon's gold." (1984. August) 25\* - Arcade type game. (Correction, Nov., page 244)
- Hyre. Leonard "Watching it all add up with the IRA projection." (1984. August) 84\* -Find oul the value of your retirement fund.
- Inman. Don. "Build a honeycomb from BASIC." 11984. September) 100 - Compares graphics between Ba'sic and Logo.
- Inman. Don "Color Logo with printing." (1984. October) 174 -Discusses the print command in Logo

- Inman, Don. "Education through graphics." (1984, August) 134 —Some examples of Logo programs,
- Inman, Don. "Exploring the angles of BASIC and LOGO." f 1984, July) 122 —Compare graphics by Basic or Logo.
- Jones, Ed : Clifton, Gene : and Davis, Wayne, "The home hurricane tracking station." f 1984. October) 161
- Judd, Daryl. "Granny's peg game challenge." (1985. June) 99\* —Like Hi-Q
- Judd, Daryl. "Send in the clowns." (1985. June) 80\* Graphics demo
- Kalinowski, Francis S. "CoCo season's greeting cards," (1984, December) 131 . —Christmascards on your printer.
- Kalinowski. Francis S. "Lil" ole interest monitor," (1984. September) 51 • - Calculates the interest earned on up to 11 bank accounts, certificates,
- Kaste, Martin. "The hi-res lowercase punctuation interplanetary fruit fly baby." (1985. January)
- Kinney, Gary. "Multiple choice test generator." (1984. September) 57 •
- Kluck. Andy. "Everything you always wanted to know about the CoCo but Radio Shack didn't tell you." (1984, August) 109 - Expands the Radio Shack documentation,
- Kluck, Andy, "Everything you always wanted to know about the Color Computer but Radio Shack didn't tell you." (1984. September) 36 - Speed up tape I/O. another way to merge cassette pro-
- Kluck, Andy. "Everything you always wanted to know about the Color Computer but Radio Shack didn't tell you." (1984. October)Z\$ - How Get and Put can speed up animation.
- Kluck. Andy. "Everything you always wanted to know about the Color Computer but Radio Shack didn't tell you." (1984. November) 157 —Disk Basic and hex and octal conversions.
- Kluck, Andy. "Everything you always wanted to know about the Color Computer but Radio Shack didn't tell you." (1984. December) 30\* -Gives details of the various CoCo ROM's.
- Knolhoff, Mike. "Hail to the chief's: in pursuit of presidential trivia." (1984. October) 146\*
- Kohn. Joseph. "For PMODE4 screen enlargement there'sBlowup." (1984, October)57\* - Manipulate
- Kohn, Joseph. "Purchase order-the order recorder." (1985. May) 172\* - Mail order aid.
- Kohn, Joseph. "Putting the Okidata ML92 to work." (1935. May)S9\*
- Kolar, Joseph. "Finding a wealth ol CoCo knowledge in Rainbow hints," (1984, December) 245\* —Hints for newcomers.
- Kolar. Joseph. "Further venturing with program tables." (1985. March) 97\* - More hints for newcomers.
- Kolar. Joseph. "Getting belter acquainted with the DRAW statement." (1985, June) 158\*
- Kolar, Joseph, "Imagination and a few simple graphics techniques." (1934, August) 158 -Using the CHRS (128) to CHRS (255) graphic set.
- Kolar, Joseph. "Make the most of versatile EDIT." (1985. April) 242\* -Instruction on the EDIT command
- Kolar, Jose ph. "An open-ended exploration," f 1935, January) 85\* —Hinls for newcomers.
- Kolar, Joseph. "Practicing Line and Draw without drudgery." (1984, September) 10S
- Kolar, Joseph. "A problem solver's day at the races. (7934. October) 60- Mathematical problem solving example.
- Kolar, Joseph. "Season'sgreetings," (1984. December) 60\* —4 color animated Christmas greeting.
- Kolar, Joseph. "Simple programs: a learning experience for all." 11984. November) 151 -An introduction for newcomers.
- Kol3r. Joseph. "Teaching CoCo its ABC's." (1985. May) 144\* -Use of the DRAW statement
- Kolar. Joseph "Try corresponding with 'talking' computer tapes." (1984, July) 114 —Correspond with cassette tapes with voice and programs.
- Kolar, Joseph, "Using tables to assist in programming." (1985. February) 236. -- Program to teach English.

- Kromeke, Michael B. "Pictures perfect with Prowriter." (1985. May) 18\* - Screen dump program.
- LaBonviile, Hclene M. "Get your feet wet with these paddles!" (1984. August) 131 - Make your own joysticks. (Correction, Oct., page 237)
- LaBonviile, Helene M. "RS-232 interface cable for data communication equipment," (1934, November) 89 - Shows how to make your own cable.
- Lack. Richard. "Get the picture with Gemini screen print." (1985, May) 45\* - Screen dump program.
- Lai, Stephen. "Neat little columns two by two." (1985. May) 42\* —Format listings in two columns. Lantz, Brian A. "Restoring your OS-9 file." (1985) March) 265
- Lamer, Norman. "Getting the most trom your cassette recorder." (1985, *January*) 76 —Comments on making best use of the cassette recorder.
- Lester, Lane, "Rainboard 1984." (1984. November) 44\* - Update to the Rainboard BBS.
- Lewandowski, Dennis. "128K the easy way." f T984. December) 162\*
- Lewin. Gordon "How to figure foreign currency exchange rates." (1935, March) 161 •
- Lilt, Michael J. "Routing switcher keeps the talk interchanging." (1985. *April*) 32 —Expand serial port to handle more devices.
- Lowrie, Patrick H., Jr. "Barometer on the stock market." (1985. March) 170\* -Gauge your own performance on the stock market
- McGarry. Donald L "Hierarchal directory." (1985, May) 244 —Complete disk directory in OS-9,
- Meador, Gene, "You gotta pay the rent!" (Z984. July) 26\* — Monopoly' type game, (Correction, Oct., page 237)
- Middaugh, Lew. "Random numbers for the OS-9 C
- compiler." (1985, *January*) 272 Miller, Paul Vernon. "Different sights and sounds with graphics bazaar." (1935, February) 246\*
- Mir. Jorge. "PERT: Project evaluation and review technique." (1935, March) 140\* -A simple program to do the "PERT" technique. (Corrections,
- June 1985. page 226). Mir. Jorge. \*"Take stock of your portfolio with Pro-Color-File (1984, October) 45 —Shows applications of Pro-Color-File.
- Mitchell. Steven C, "Rescue on alpha II." (1984. December)^\* -Winner of secondannualad venture contest. [Correction. Apr.. 1985. page 226)
- Mix, Ron. "Learn the ivory keyboard with piano note tutor." (1985, June) 92\* -Assist learning the piano.
- Myers. Paul. "Finding the ultimate bargain." (1985. March) 18\* —An example of operational research technique.
- Nelson. Mark. "The head of the beast." (1984. December) 90\* —Adventure contest winner for 16K
- Nickols. Kevin "The vole is in." (1934, December) 64 -Winners of the second annual adventure con-
- test Nolan. Bill. "Developing a database manager part 1." (1934, July) 64 —Creating a disk mailing list program.
- Nolan. Bill. "Developing a database manager part 2" (1984, August) 22 Nolan. Bill. "Developing a database manager part
- 3." (1984, September; 111 —Developing a disk mailing list program.
- Nolan. Bill. "Developing a database manager part 4." (1934. October) 32\* -Use Of direct access disk files
- Nolan, Bill "Developing a database manager part 5." (1984, November) 245\*
- Nolan, Bill. "Developing a database manager part 6," (1984, December) 256\* - Disk mailing list program. (Correction. Feb., 1985, page 281)
- Paravati. Joseph S. "Geographies." (1934. September) 177 • -Hi-res game to learn 50 states and capitals.
- Paravali, Joseph S. "The old fashioned clock." (7934. September) 25\* -Make your CoCo look like an analogue clock.
- Petersen, Jens. "Chopper assault." (7935, June)
- Peterson. Dale. "Greetings from Uncle Bert." (1984. July) 117 —Many Logo examples.
- Pfeifer. Christopher. "Surface!" (1985, April) 42\* -Winner of the second annual simulation contest— Norlh Pole in a submarine.

- Plog, Michael. "A practical alternative for creating a pupil database." (19B5. January) 159 -Let your Glass do something practical.
- Plog. Michael. "Arecomputers producing unrealistic expectations?" (1984. December)265 • -- Comments on micros in schools.
- Plog, Michael. 'The computer as a classroom tool." 0984. October) 23 - Discussion of the micro in schools
- Plog. Michael. "The computer as a teacher." (1984, July) 48 --- The microcomputer in education,
- Plog, Michael. "Expanding the computer's role in student testing." *11985. May*) 31
  Plog, Michael. "New trends in educalional comput-
- ing." 11985. June) 55
- Plog, Michael. "Opposing views on computers in education." 11984, September) 119 —Discussion of the micro in schools.
- Plog. Michael," A question of intelligence and Anthropomorphic charm." (1985. April) 167 - Comments about micros in schools
- Plog, Michael "Reading us computers.11 (1985. March) 182 -- Comments on micros in schools.
  Plog, Michael. "The rise of the microcomputer."
- (1954. August) 51 Use of the micro in schoots.
- Plog. Michael "The "system'and its important procedures." (1984. November) 252 -Comments on micros in schools.
- Plog, Michael-"Using your computerto help develop classroom material." (1985, February) 131 —Comments on micros in schools.
- Portillo, Roland B. "Home financial statement." 11985. Mnrch)\$T
- Poulosky, Paul. "Calling All CoCo Nuts." (1985, March) 164, \* — Graphics demo of the Rainbow, Preble. Brian. "The art of joystick painting." (1984.
- October) 97' —(Correction, Mar., 1985. page
- Puckett, Dale. "Genius, assembly tips and a bilingual benchmark." (1984. August) 257
- Puckett. Dale "Reflections, hopes and five helpful listings." 11984. September) 246
  Puckett, Dale L "Closer to UNIX "(1984. December)
- Puckett, Date L. "Designing your own procedure files," (1984, July) 291
- Puckett, Dale L. "First anniversay special: an interview with Ken Kaplan" (1984, October) 261
  Puckett. Dale L. "Fun with a Co Co Easter Bunnyand
- more." (TS85, April) 254
- Puckett. Dale L. "Good application software is essential to OS-9'S health." f 1935. May) 250
- Puckett, Dale L. News, hints and answers." (1965, June) 252 --- Questions and answers on OS9.
- Puckett. Dale L. "An overview of programs, corrections and more." (1985. March) 256
  Puckett, Dale L. 'Potpourri! A medley of hints and
- tips' (1988, February) 269
- Puckett, Dale L. "Transportation to hacker heaven: and Iwo useful routines." (1984. November) 280 Ramella. Richard. "Mullo of Mars." f'7385. Juné J 18\* -Game to learn multiplication
- Ramella. Richard. "A night of horrors in Lurktey Manor" (1985, March) 42\*
- Ramella, Richard "See how your memory stacks against these number tacks." (1985, May) 25• Memory game.
- Ray, J. D. "Landlord's helper part 1." (1985, March) 106» —System to help manage rental properly. Ray, J. D. "Landlord's helper part 2." (1985. April)
- Reed, Jim "RAINBOWfest reporl " (1984, Septem-
- Repasy, Michael. "'Run for your life!" (1985. April) -Survival on a strange planet.
- Rhead, Valerie. "Teachers need spirit masters'" (1984. September) 140 —Use your printer to make
- Richardson. Mel. "Guess right, guess wrong-name that song!" 11985. June) 163\* -- Like name thai tune
- Rabbins. Joel. "CoCopadd.!"( 1985. February) 140\* Convert CoCo to a calculator
- Roberts. Steve. "CoComori junior." (7965. February; 164\* —A monitor for machine language pro-
- Robitaille, Charles "Get a'boot'out of OS-9." (J985, February) 283

- Roden. Brian. "Live and in concert on CoCo's stage." (1985, April) 124\* - Animated graphics while playing music.
- Rogers. Robert T. "Holly, jolly holidays." (1984. December) 18" —Play your favorite Christmas carols.
- Rogers. Robert T "A |Ourney through the jungle." (1984. Augustus\* —Graphics game lor4K. (Cor-
- rection, Nov., page 244)
  Rosen, Bob. "My CoCo is not IBM compatible."
  (1984. October) 238 Compares CoCo to IBM
- Rutter, Richard W. "Enhance your keyboard input with buffer stuffer." (7995, February) 90\*
- machine language program to add new commands. Sabo, Rita "Animatic: automatic animation." (1985.
- Saito, Fran; and Albrecht, Bob. "Puffing things in order." (1984, July) 52
- Sanford. James A. "Formatter." (1985. May) 124\* -Program to lormal program listings.
- Scerbo. Fred B. "Answer the challenge of the demon's defiance." (f985. JWardrJ 77\* Originally written for the MC-10
- Scerbo. Fred B. "The CoCo tournament programs." (1984. October) 104\* —Program lo generate pairings for any type of tournament.

  Scerbo. Fred B. "EZ graphics— '85 style." 0935.
- January) 32" —Tutorial on graphics procedures.
- Scerbo. Fred B. "Football fever part I." (1984, November) 177 —Makes football helmets hy team.
- Scerbo. Fred B. "Football fever part 2." (1984, December) 107'
- Scerbo, Fred B, "Getting ready for the la!!." (1984. August) 38\* - Super math worksheet generator program.
- Scerbo. Fred B. "Let CoCo talk you into a better education." (1985, February) 11B\* -A math program using the Voice-pak.
- Scerbo. Fred B. "Themulti math driller." (1984. September) 225'
- Scerbo. Fred B. "Return of the Hangmenoids!" (1985. May) 131 • —Talking hangman game.
- Scerbo, Fred B "Some educational programs to help make learning fun." (1985, *April*) 74\*
- Scerbo, Fred B. "Three trips to the well." f1984. July) 162\* -3 programs requested by readers,
- Scerbo, Fred B. "The world's easiest database." 11985. June) 152\*
- Schechter. Gerry. "Filecopy—a handy OS-9 utility." (1985. February) 242 —(Correction. May 1985. page 148).
- Schechter. Gerry. "Tidy up listings with Listfile." (1985. February) 275
- Schmidt. Jim. "File it with The Message Cenier." (1984. November) 28\* -Use the CoCo for inflame communications.
- Schmidt. Jim. "Lo-res graphics for the ASCII-ing." (1984, October) 90\*
- Schrag, Roger. "Disk drive speed check." (7904, August) 154\*
- Schrag. Roger "A special use for the DOS command." (1984. November) 140\*
- Schreur, Jan Pieter. "Turn your monitor inside out." (1985. April) 116 In vert the video with hardware. Scoflin, Brad. "Casslabl a music tape organizer"
- (1984. July) 174\* —Makes cassette labels.
- Searby. Paul. "Design and development of application software part 4." (1984. September) 258 Accounts payable system, continued from June 1984.
- Searby, Paul. "Design and development of application software part 5" (1995. *January*) 280 --Program for small business.
  Searby, Paul. "Operating systems: another point of
- view." ((984. July J 279 Compares FLEX and OS-
- Sharp. Tony. "Adding an auto answer "7 7984, November) 18 —Add an auto-answer to the Modem 1.
- Shaver. J. O. "Play your favorite games with no wires attached." (1985. June) 105\* -Wireless joysticks.
- Spiller. Jeremy. "Analog to digital and back again." ()985. June) 36\*
- Springer. Charles. "Announcing The Rainbow's 2nd annual simulation Contest " (1984 July) 156
- Springer. Charles "The decision has been made!" (1986. April) 36 —Results of the second annual simulation contest.

- Springer, Charles. "Experience the thrill ol adventure." (1985. March) 33 - Announcement of third annual adventure contest.
- St. Jacques, Rene. "Cardio." (1985. April) 58\* Second annual simulation contest graphics winner-simulates heart attack and treatment.
- Stearman. Colin J. "CoCo chronograph" (1985. June) 83\* -Add a real time clock.
- Stearman, Colin J. "Cooking with CoCo part 1." (1984. July) 18\* - Exploring CoCo'sdisk operat-
- ing system. (Correction. Aug.. page 130)
  Stearman. Colin J. 'Cooking with CoCo pari 2"
  (1984, August) 170\* How to construct a simple plug-in cartridge programmer for the 2764 8K EPROM. (Correction, Sept., page 234)
- Stearman. Colin J. "Cooking with CoCo pari 3." (1984, September)74\* -- Enhancethe Disk operating system. (Corrections. Oct., page 237; Nov., page 244)
- Stearman. Colin J. "Cooking with CoCo part 4." (1984, October! ISO\* -Some patches to make keyboard entry easier.
- Stearman. Colin J. "Cooking with CoCo pari 5." (1984. November) 146\* -Some new commands for COCO. (Correction, Jan., 1985, page 232)
- Stearman, Colin J "Cooking with CoCo pari 6." f 1984. December) 154\* -Add a parallel port
- (Correction. Fob., 1985. page 281) Stearman. Colin J. "Cooking with CoCo part 7." 11985. January) 164\* -Some more additions lo
- CoCo's vocabulary.
  Stearman. Gotin J. "Cooking with CoCo part 8." 11985. February) 146 —How to program an EPROM.
- Stumpf, Peter. "A Fourth of July celebration." (1984, July) 74\* —Music and graphics for the 4th of July
- Swan. Marvin E. "The diskette directories handler system part 1." (1984 *November*) 100\* —How to Organize your diskette Hies.
- Swan, Marvin E. "The diskette directories handler system part 2," (1984. December) 37\* —(Correction, Apr.. 1985. page 226)
  Swan, Marvin E. "The diskette directories handler system part 3." (79S5. January) 120\*
- Tanzcr. Milt. "But. who was Colonel Potter's horse?" (1984, Augusl)67' -A Trivial Pursuit like game.
- Tauli. T. C. "Joystick-to-itiveness." f 79S5. March) 232\* —How to use joysticks to make selections from a menu.
- Taylor. D. "Junk food." 11984. November) 90\*
- Taylor. James F. 'The ABC game" (1984. September) 156\* —Game to learn the a-b-CS. (Correction, Jan. iges. page 232)
- Tilenius, Eric. "The adventure writer's tool kit." (1985. April) 105\* —Tutorial on writing adventures
- Tilenius. Eric W. "The Arconiax assignment."11984, July) 90\* —Anniversary 'scratch and sniff 'ad venture. (Correction, Sept.. page 234)
- Tobias, Brad. "Miss Liberty " f 1984. July) 61 -- Use Printer art from Nov 83 to draw a Picture
- Trevor. Alexander B. "It is better to PUT than to GET."(1985, January)23\*
- Tucker, Walter J. "You can invest in thisone—T-Bill computation." ((985. *March*) 153\* —Figure out the benefits of a Treasury Bill investment
- Tyson, Robert K "Computer simulation for tun and profit part 2: exogenous human interaction simulation-the stock market." (1984. August) f 19\*
- Tyson, Robert K. "Computer simulations for fun and profit." ('7934. July) 186- - Creating simulations lor the CoCo.
- Vasconi. Eugene. "Chopin's minule waltz." (1985. June) 130\* Music demo using PLAY
- Wagorn. Paul. "Looie wants you to join the penguin patrol." (1985. February) 33\*
- Weide. Dennis H. "CoCo becomes the paymaster part 1." (1985. March) 58\* - A small business payroll package. Corrections, May 1985, page 148. and June 1985 page 226.
- Weide, Dennis hi. "CoCo becomes the paymaster part 2." (1985. April) 82\*
- Weir. Robert."JINFILÉ:a jumbo information handler with some very special features." 11984. November/
- 162\* Special purpose filing program.

  White. Richard A. "Analyzing more BASIC " f)985.

  February) 152\* —Uses Rainbow checkbook to explain some programming

White. Richard A. "Creating Ihe Rainbow checkbook parti "figs'). September) 126 — Checkbook balancer.

White. Richard A. "Creating the Hainbow checkbook part 2 11984. October! 250
White. Richard A "Creating the Rainbow check-

book part 3." *HS84, November*) 125
White. Richard A. "Creating the Rainbow check-

book part 4," 11984. December} 134
White. Richard A. "Creating the Rainbow checkbook parts." 11985. Januaryj233\* —(Correction. Apr., page 226)

White. Richard A. "Deciphering printer control codes." (1985. March) 28

White. Richard A. "An introduction to spreadsheets." f 1985. April) 146 - Overview of spreadsheet software.

White. Richard A "Lets create a spreadsheet." (1935, Way) 98 —Alternate uses for the spread-

While. Richard A. "Spreadsheet application for home economics: buying a car." 11985. June) 238 White. Richard A. "Variables revisited." (1984. July/

126 —Hinis about using variables in Basic.
White. Richard A. "Weird and wonderful." ((984, August) 115 —How to get a Print Using in Color Basic.

White, William R. "Simplifying use or the SOUND command." (1935. *June*) 42 •

Wilfore. John F. "Word scrambler for Spelling lists." 11984. September) 131 •

Witham. Burl, Jr "To pack or not to pack: that's an easy question." (J984. October) 140 —Discusses compressing Basic statements.

Wood, James H. "Hi-res racer." (1985, March) 124\* —Car racing game.
Zimmer. Charles C. "Block oul those troublesome

granules with Disktest.utl." (t985, January ) 89 • (Program listing, Feb. 35, p.250)

### PRODUCT REVIEWS

"ADOS." (19B4. December) 211 "AMT (Automatic money tracer)." (1984. October) "Addition and subtraction of fractions and mixed numbers 2.1." (1985. May) 207
"Address one " (1984. September) 218
"Advanced editor " (1984. July) 202
"Adventure cracker." (1984. August) 210
"Adventure generator." (1984. July) 231
"Adventure generator." (1984. December) 227
"The Adventurer's handbook." (1984. October/ 202
"Adventurus Supremus 4.66." f F985, June) 221
"Air traffic conirol simulator." (1985. February) 229
"Aldaron." (1934, October/ 207
"Alpha-dir." 17984. August) 193
"Alphabet stew." f 1985. May) 208
"Ancestors 2.0." (1984. November) 216
"And rone." f (984. December/ 219
"The animator." (1985. January/ 204 "Addition and subtraction of fractions and mixed

"The animator." (1985. January/ 204 "The archivist." (1985. February) 205

"Arithmetic tutor." (1985. March) 207

"Assembler language programming toolkit." (1984.

December) 239 "Aut-O-Start " (1985. June) 220 "Auto run 64." (1985. February) 224

"Auto run 64." (1985. February) 229
"Autoterm." f 1984. November) 229
"BASIC searcher." (1985. March) 196
"BBS log book." (1985. March) 219
"B-XREF." (1985. March) 209
"Bakersfield KENO." (1985. March) 216
"Basic programming trick revealed." (4

"Basic programming tricks revealed" (1985. Februarv) 226

"Better "(1984. Jo (y; 226

"Big B pro quarterback." (1985. February/ 219 "Big Bird's special delivery." (1985. February) 218

"Bjork blocks." (1984. October) 228
"The black sanctum" (1984. August) 212

"Blackjack Royale version 2.0." (1984. December)

"Blue streak interface." (J9B4, July) 211

"Bugs II." (1985. May) 219
"Burner plus" (1985. February) 223

"CD sort/key-extr." f 1985. April/ 206

"CGP115SD—screen dump " t1984 August) 203
"Calorie counter weight analyzer." (1985 Janu-

ary) 220

"Candy co." (1984. August/225
"Car manager." (1984, September) 211

"Cassette box insert maker " (1985. March! 198

"Cassette label" (1984. September/ 210
"Castle ragoona." (1985. April! 215
"Centipede ABC's and 123"S" (1985. June/ 205

"Chambers." (1984. September) 205 "Chipaway." (1985. April) 195

"Chopper strike." f?9S4. August) 227
"Christmas quiz." (1984. December) 223
"Church time." (1984. September; 209
"CoCo checker." 11985. January) 194
"CoCo cookbook." (1984. Augus(j2i8

"CoCo cooler II " (1935. Ma *re h)* 226 "CoCo coupler CP/M." f (984. OefoberJ 232 "CoCo dump." f 7984. *November)* 230

"CoCo freeze frame " f ?935. MayJ 222

"CoCo Max." (1935, June^ 217

"CoCo professional tax preparer." 11985. June) 199

"CoCo tuner." f)0SS. June) 203
"CoCo video tiller." (1935. April) 219

"CoCoindx." (1984. August/216
"Coins and Addition." (1984. December) 216
"Color Connection II." (1935. April) 201

"Color Connection II." (1935. April) 201
"Color checkbook." (1985. April) 210
"Color finance II." (1984. November) 208
"Color math practice." (1984. OefoberJ 215
"Color power II." (1985. January) 209
"Color stat strategy baseball." ((935. March) 208
"Color Stronghold." (1984. November) 343
"ColorSta!" (7935. June) 198
"Colorama BBS." (1934. July) 235
"Colorforth version 2,0," (1985. February) 198
"Colorgrade." (1984. December) 230
"Colormind." (1984. September) 197
"Concordance." (1934. November; 200

"Colormind." (1984. September) 197
"Concordance." (1934. November; 200
"Congress" (1985. June; 195
"Conversion aids." (1984. July) 216
"Conversions" (1985. May/ 203
"Counting things." (1985, January) 215
"Cnbbage." (1984. October) 226
"Crypton," (1985. April) 200
"DATALIST." (1985. March) 218
"DEFT bench and Pascal " (7954. November) 221
"DMGAGIC " (7914. August/ 213
"DMP-1Q0 line printer conversion." (1985, May) 198 "DMP-1Q0 line printer conversion." (1985, May) 195

"DS-69digisector." (1985. May) 197
"Dan Tucker's mine." (1935. June) 206

'Dapper." f?934. October) 212

"Data Line switch box." (1935. *June*) 219 "Debacle " ((985. *June*/ 209 "Dejavu." (1935. *April*) 218

"Deputy inspector." *(1984. December)* 202 "Designer." *(1935. JuneJ 202* "Diet-Ade." f)985. *May)* 206

"Disk Vidtex." (1984. November) 235
"Disk master." (1985. April) 223
"Disk utility." (1984. October) 220
"Disk-o-tier" (1984. October) 233

"Do-file/Fix-file."f19S4, September) 201

"Don't forget."(1935, Ma *re h*) 228 "Double driver." (1985. MayJ 196

"Double driver." (1985. MayJ 196
"Downland." (1935. April) 213
"Draconian." (1985. April) 213
"Drive 0 package " (1935. January/ 219
"DynaStar/DynaForm/DynaSpell."(1984. July)22Q
"Dynacalc " (1934. September) 219
"Dynamite\*." (1984. December) 195
"EDITTRON." (1984. September) 212
'EDTASM (disk) " (1984. September) 192
"EDT."(1984. October) 225

"EDT."(1984. October) 225

"ETT- Electronic typing teacher." (1984. July J 210

"E-Zbase."(79S4, July) 255

"Easy-file " (1984. November) 240 "elec-TRON." (1985. May) 226

"Electra-guard." (1985. *June*) 210 "Elite-file." f (984. *December*) 241 "The Enhancer." (1985. February) 213

"Erland." (1984. November) 204 "Ernie's magic shapes" (1984. September) 214

"Evasion " f 1984. November) 216 "Everyone's guide to Basic." 11984. July/ 243 "Fangman." (1984. November/ 242 "File cabinet." (1984. September) 198

"Tile two\_" (1985. MayJ 211

"Final countdown " (f934. December; 212

"First games." (1984. November) 220
"Flip side." (1985. February) 192

"Floppiclene." (1935. February) 233

"Flying tigers." (1984. August) 208 \*Fractions and percents." (1984. August) 228 "Freeform." (1984. December/198

"Freetorm." (1984. *December*/198
"Froggie." (7934, *July*) 254
"Full screen editor." (1984. *November*) 236
"<u>Funhou.se</u>" (1984. JuJyJ 238
"GTRM." (1984. *December*) 236 "G1RM." (1984. December) 236
"Galactic fighter" (1985. June/193
"Gold plug 80." (1934, July) 233
"Grand Pri\*."" (1985. March) 211
"Graph it." (7934, September) 200

"Graphic compression utility." (1984. December)

"Graphic master." (1985. Februaryj 231

"Graphic math advenlure enhanced." ((985. April)

"Graphicom joystick." (1985. February) 221 "Gray lady." (1934. November) 219 "Grobo1."C1984, August) 221

"Graver's number rover." (1985. April) 208
"The gunfighter." (1934. August) 207
"Hands on." ((984. NdvemberJ 206

"Happy birthday Mr. Gifl." (1984, DecemoerJ 226 "Hayes mach I| joystick." (J984, *November*) 244

"Heroes and trolls." (1984. December) 215
"Hide-a-BASIC." (1984. December) 200

"High resolution picture puzzle." (1985. January)

196

"How to use your Radio Shack printer." (book) (1985, MayJ 192

(1985, MayJ 192
"Howard Medical TV stand." (1984. September) 199
"Ice bird." (1984, August) 219
"Ice hockey!" (1984, December J 244
"In assembly language." (1984. December) 207
"Intercept 4." (1934. Sepfemberj 208
"JDK Kalends." (1935. May) 214

JUN Kalends." (1935. May) 214

"Johnson utility packages." (1984. October) 217

"Juggle's rainbow." (1985. MayJ 208

"Jungle queen." (1985, January) 226

"K-BAStC." (1984. November) 226

"Keep-trak version 1.2." (1985. April) 196

"Keep-lrak." (1984. September^ 222

"Key ironic keyboard " (1985. January) 227 "Key-wiz " f 7985. January) 213

"King author's tales." ((984. OefoberJ 200 "Kingdom of Basham." (1984. November/ 211

"LIZPAC." (1985. *March)2)2*"LOGO starter."" (1984. TJecemberJ 208
"Lancer." (1984. *August)* 224
"Learning games." (1984. *November)* 241
"Library!" 7(985. *April)* 195

"Liner "(1985. JI")eJ 216

"Locking diskette storage system " J1984. September) 209 "Lolto." (1985, *January*) 202

"Lolto." (1985, January) 202
"ME-123-64 126K upgrade." (1985. Juncj 211
"MLBASIC." (1935. MayJ209
"MSI color calendar." (1984. August) 206
"MSI-Disk Util." (1984. July) 229
"Major tstar." (1985. MayJ 218
"Master design." (1984. Ju(y)204
"Masterfile." (1984. November) 212
"Maze runner." (1985. April) 217
"Megamunk." (1985. February) 200

"Memo minder" (1934. JuJy; 222 "Metabot." (1985, June) 207

"Micro-games, Micro-checkers." (1984. *July*) 225
"Micro-grip *V." (1985. May)* 227

"Middle kingdom." (1984. *December*) 224
"Miner." (1984. fVoiremberJ 232

"More beef." (1984. Ju(y)?14 "Mr. Dig "(1934. *November*) 238 "Ms. Maze." (1985. February) 216

"Ms. Maze." (1985. February) 216
"Mult-t-screen." (1984. July) 240
"Multi-pak extender cable." (1985. May) 222
"Multi-pak extender roller." (1985. April) 192
"Music stringer." (1984 September/ 213
"Music library 100" (7 9H4. November) 225
"Music library 700 and 300." (1985, March) 205
"Musics 2." (1984, Decemberi 225
"Musy " (1935. April) 198

"Musx." (1935, April) 198
"NEWBASIC." (1984. October) 221

•Nomad." ((984. DecemberJ 213
"Number and color worlds." (1985. February) 202
"OS-9 disk fix and utilities." (1984. OefoberJ 218

"Oki dump." (1984. *December*) 206 "Omega file." ((985. *March*) 223 Option 1." (1985. January) 198

"PBJ 23P pak." (1985. March) 192

- BYTE 2 (1985. June) 138 -Assembly language demo
- BYTECQOR 11985. May) 77 -To input machine language code into memory
- BYTESCRN 11985. Msy) 73 Load 51-column util-
- BYTMASTR(!984. September) 124 Video screen utility
- CAD 16 11984. January/ 85 Animated high res story
- CADET TR H983. Match) 154 -Game
- CALC (1985. January) 284 —Calculator (PASCAL) CALENDAR (1982, Octobers - Make a calendar CALENDAR 11984. September) 99 - Create a calen-
- CALGEN (1984. September) 266-Calculator program (PASCAL)
- CAPITALS (1983. April) 34 —Geography drill CARDFILE (1984. December) 47 - Xmas card tile and labeler
- CARD 10 11985. April! 60 -Simulation ol heart attack
- CARDS-1 (1983. December) 100 -Greeting cards CARDS-2 f J983. December) 106 - Greeting cards CAROLS 11984. December) 20 -Xmas sound and graphics
- CASSLABLf 7984. July) 174— Music tape organizer CAT(198P, November) 32 —PLAY demo
- CATEGORY (1985, January) 56 Elementary school
- CCTALK (1984. November) 52 Terminal program CCTLOAD (1984. November) 59 —Terminal proaram
- CFRR f J 985. March) 134 —Cash flow rate of return CGPLABEL r 1984, May) 136 — Labels for CGP-115 CHARACTR (1984. February) 297 —Adventure game aid
- CHARACTR (1984. March) 192 Adventure game utility
- CHARFIND (1983- March) 13 -Adventure game utility
- CHARGER (1985, June) 113 Disk utility CHARLIE 11982. December)87 - Format LLIST listinas
- CHEAPTKR (1983. July) 275 -Votrax driver CHECKS (1964, January) 124 Checkbook balancer CHEKBOOK (1985. January) 238 - Checkbook balancer
- CHEMBOND (1983, January)130 Chemistry drill CHOPPER 11985. June) 28 --Helicopter action
- CHORDS (1983, August) 132 Music generator CHORDS (1984. June) 181 —Chord finder CHR CNT (1984, October)266 - Character counter (PASCAL)
- CIRCLE (1983. July) 166 —Graphics demo CIHMOD (1983. July) 169 - Graphics demo CKWRITER(1985, Apri/193 — Check writer for Payroll
- CLASSICS (1984. June) 132 Music demo CLOADMODf 1984. November) 117 — CLOAD modi-
- CLOCK (1984. September) 28 -Clock face CLOCK (1985. Mey) 236 - Graphics demo in PAS-CAL
- CLOVER (1984, June) 57 Data for COMPOSER (Dec 83)
- CLOVER (1985. June) 161 -Using the DRAW statement
- CLOWN (1985. June)80 Graphics demo CLRSCOPE fT9S4, January) 80 —Random graphics
- CMERGE (1983, Oc(ober) 206 -Cassette merge
- COCOGOLF f 1984. February] 69 —Golf simulation game
- COCO LOGO IJ 982. October) SO -Print a logo COCOMQN (1985. February) 165 -- Machine Ianguage monitor
- CŎCŎNUTS (1985. March) 164 Graphics demo COCOPADD (1985, February) 144 - Calculator emulation
- COCOSAYS 11983. April) 218 -Music utility COCOTYPE(1984. January; 106-Typing tutor CODEWRDS(1985. June) 45 -Elementary education game
- COLORFRM (7965, April) 113 Print routine for adventures
- COLORS (1984. April) 185 -CHRS of colors

- COLORS) (985. May) 147 Graphics demo COLOR1 (1982. August J 89-Graphics demo (also COLOR2)
- COLRBOOK (1984. May) 106 -- Graphics demo COMBATf 1983. September! 193 — Adventure game CQMMWP(1983. Ju/y)163 - Communications word processor
- COMPILER (1983. November) 1B2 -Save graphics with CSAVEM
- COMPOSER (1983. December) 132 Music synthesizer
- COMPSHOP(1985, February)65 -Consumer education lor children
- COMPTEST (1984. February) 292 Compatibility game
- COMPUTE (1985. April) 87 —Payroll computation CONCERT (1985. April) 128 —Animated graphics with music
- CONGEN (1983, .4ugus1) 100 -TV test pattern generator
- CONNECT4 (1984. June) 160 Game CONSEOS (1983. March) 110 -Game
- CONTLOGR f (983. March I 160 -Ham radio tog CONVERT (1983. October) 318 - Use 64K
- CONVERT (1983. September) 226 -Metric converter
- CONVERT (1984. March) 134 -Convert MICRO-PAINTER to disk
- CONVERT (1984. October) 132 —Graphics utility lor ART GALLERY
- CONVERT (1985, March) 162 Foreign currency calculator
- COPTER (1984, February) 64-Graphics adventure
- COPYDIR (1983, June) 86 Disk utility COSTCALC (1984. March) 100 -Small business aid
- CRAPS (1984. April; 69 —Gambling game CREATE (1983. October) 108 —Graphics utility CREATOR f 1983. December) 192 - Hi-res text generator
- CRNOGRPH (1985. June) S3 -Real time clock (need hardware mod)
- CRYPTO (1983. June) 132 —Cryptogram game CRYPTSAM 71983. June) 132—Cryptogram sample CSKETCH (1983. October) 161 — Etch-a-sketch program
- CTRYRQAD (1984. June) 77-bonus -Sample for MUSIC+
- CUPID (1985, February) 77 Match-up game CURVFITZ (1983. April) 234 -Best fit to data points CWC4V10 (1984. October) 1S2 - Disk utility CWC4V11 (1984, October) 182 - Disk utility CWC5V10 11984. November) 147 - Disk utility CWC5V11 (1984, November) 147 - Disk utility D-ADVWTR (1983, January) 50 —Adventure game O. BAS (1983. December) 216-Disk utility
- DATABASE (1984, December) 258 —Disk mailing list program DATABASE (1984. Mayj 144 —Adventure game util-
- DATABASE (1984. November) 247 Mailing list DATABASE (1984, October) 36 - Mailing labels DATABASE (1984. September) 116 - Disk mailing
- list DATELOAD f 7984. Septembdr) 88 -see PATCH10. PATCH11
- DATESET (1984, November) 148 Disk utility DATFLf1982, Decemberi 114 - Database manager DATING (1983. February) 58 - Date your program DEADRECK (1934, November) 273 -For light aircraft (PASCAL)
- DECODE (1SS5. April) 112 -Full sentence decode routine
- DEMO (1984. October) 21 -Graphics demo DEMO (1985, January) 251 -see SCREEN51 demo
- DEMO (1985. May) 91 -Utility for Okidata ML92 printer
- DEMON II (1985, March) 79 —Adventure game DIARY (1903, November) 35 -Appointment book DICE (1982. May) 23 -Adventure game aid DICE BAG (1982. June) 38 -Adventure game aid DIRECT (1985. May) 38 -Cassette tape directory DIRO f 7985. January) 124 — Disk directory handier
- DIR2 (1984. December) 38 Disk utility DIR3 (1985. January) 122 - Disk directory handler system

- DISEMBLR (1984. May 1 22 BASIC disassembler DISKCHEK (1984. August) 165- Disk speed check DISKDABL(1983. October) 190-Disk utility DISKDIR1 (1983. July) 156 - Disk utility [also DISKDIR2-4)
- DISKFIX (1984. March) 196 Disk utility DISKLIST f 1982. July) 30 - Disk utility
- DISKMENUi 1982. October/108 Adventuregame
- DISKSORT (198.7. December) 64 Alphabetic sort ol disk directory
- DISKTEST (1985. January) 99 Disk utility DISKWASH (1933, November) 310 - Disk utility
- DISPLAY] (1985, February) 133 -Center a message
- DISPLAYS (1985. February) 134 Tille primer DISPLAY3 17985. February) 134 —Tide printer DISPLAY4CJ985. February) 134—Reverseprinting DISPLAYS (1985. February) 135 - Print backward
- message DISPLAY6 (1985. February) 135 —Title generator DISPLAY7 (1985. *February*) 135 —Title generator DOG (1982. September) 78 - Graphics demo (Snoopy')
- DOODLER (1984, January) 121 —Printer graphics DOODLER (1984, June) 89 - Graphics demo
- DOSSTARI (1984. November) 144 Auto start on
- DOTS (1983. July) 83 -Game
- DOUBLE (1982. May) 42 Double size screen print DRAGBYTE (1983. March) 202 —Adventure game DRAGBYTE (1983. November) 172 -Adventure character generator
- DRAGBYTE (1983, October) 152-Adventure game aid
- DRAGBYTE(19B4, February) 178 --- Adventure character generator
- DRAGBYTE (1904. January) 38 Adventure game DRAGONS (1982. August) 64 - Adventure game aid
- DRAW-EZ f 7383, November) 163 Demo of saving graphics with CSAVEM-see COMPILER
- DRAWING (1984, February)61 Like Elch-a-skelch DRAWINGS (1985. April) 45 Data for SURFACE DREIDL (1983, December) 213 - Hanukkah game DRGNGOLD(1984. August) 28-Adventuregame DRIVER (1985. February) 109 -BSOCG Keyboard enhancer driver
- DSKDET (1983, March) 54 -Remove disk without unplugging ROM PAC
- DSKMERGE (1985, February) 175 Disk utility DUMBTERM (1983, March) 160 Terminal program
- DUMPSTQR (1984. August) 229 Disk to tape transfer
- DUNGEON (1983, January) 50 -Adventure game DUPER (1983, January) 80 - Ham radio utility EDCN (1982, November) 18 - Elementary educa-
- tion drill EDCOL(1982. OflIdber)2e — Elementary education
- EDCOLUMN (1982, September) 35 Elementary
- education drill EDITOR (1984, November) 48 -BBS patch (RAIN-
- BORD) EDUCATE (1983, January) 92 — Elementary educa-
- tion drill EDUNOTES(1985. April) 162 - Elementary educa-
- tion drill (sentences) EDUNOTES (1985. March) 176 -Interest payment
- ELECTION (1983. November) 77 game—Presidential election campaign
- ELECTION (1984. June) 65 -Voting utility
- ELEMENTS f 7983. March) 152 —Chemistry drill ELEMENTS (T983, September) 37 - Periodic table of the elements
- EMPLOYEE(1985, Marcb) 61 -Small business pay-
- EMPLOYER (1985. MarcftJ 72 -Small business payroll
- ENCODER (1985, May) 141 —See TRI-HANG ENCYCLO (T984. December) 175 —Elementary school drill
- ENRAK (1983. August) 123 —Adventure game ENTRDATA (1984. February) 145 - see BSKRINIT EOQCALCf1985. Marcnj20- Operational research example
- EPROM (1984. August) 173 EPROM programmer

- ERRMSC (1934. January) 172 -- More complete error messages (BASIC)
- ERRMSG (1984. January) 169 More complete error messages (assembly)
- ESCAPE (1982, July) 42 —Game

(also FALLOUT2)

- EVIL EYE (1984, April) 185 —Graphics demo EYE Q f 1985. May) 164 -Game
- EZLIST 11984. November) 23 Listing utility FACES (1984, January) 93 - Graphic faces FALLOUT (1933. March) 40 -Fallout preparation
- FAMTREE (1384, February) 79 —Genealogical aid FANTASY (1985. January) 130 —Adventure game FILELIST 11982. July) 30 - disk utility
- FILEMAIN(1985, March) 113- Rental property sys-
- FINALDEM (1983. January) B4 X-pad demo FIND (1985. February) 116 — see SCREEN51
- FIRE (1982, December) 34 Graphics Christmas scene
- FISHING (1984. January) 158 Hi-res game FLAGS (1983. October) 92 —Hi-res flags
- FLCNVRT (198?, December; 111 —Disk utility FLSPRINT (1982. December) 111 —Disk utility FLSRCH (1982. December) 111 -Disk utility FLTSIM32(1983, June) 58- Instrument flight simu-
- lator (also FLTSIM16) FOLLOW (1984. October) 54 - Elementary education demo
- FOOTBALL (1984. December) 110 Graphicsdemo FOOTBALL(1984, November) 179 - Graphics demo FORMAT (198\$. rVfayJ128 - To format BASIC list-
- FORMATH (1983, June) 182 -Utility tor Gemini
- FRACTALC (1983, July) 29 Graphics demo (also FRACTAL1-3)
- FRACTION (1983. February) 102 Elementary math
- FREEBIT (1983, April) Bonus Graphics demo FRP (7932, December; 50 —Adventure game aid FRP (1982. *November*) 68 —Adventure game FRP f 7982, Sepfember J 23 -Adventure game aid
- FRPDAT (1982, November) 68 -See FRF FRUITFLY (1985, *January*) 144 - Action game FSTPAINT (1983, *October*) 64 —PAINT demo GAME 1 (1984, February) 93 —Adventure game
- (also GAME 2-4) GEMPRINT (1985. May) 46 —Gemini screen print GENLINK (1985, January; 59 - Tape utility
- GEO GAME (1984. September) 160 -States and capitals GEÖRGE (1982. November) 86 —Graphics demo
- GHOSTBST (1985, January) 38 —Graphics demo GIFTLIST (1984, December) 297 -Gift giving list (PASCAL)
- GL (1982, October) 20 Prints expense ledgers GLOMMER (1983, October) 122 —4K graphics GQLDPILE(1984. September;54—Interest checker GPOUMP (198-7, May) 140—CGP-115 printer utility GRADEAVG (1983, September) 229 -Teacher's
- GRADEBK (1982. September) 9 —Teacher's aid GRAF-1 (1982, May) 6 —Graphics demo (also GRAF-2I0GRAF-7)
- GRAFDMP3 (1983, October,! 304 —Graphics demo GRAFDUMPf7983, October; 298—Graphicsdemo GRAFICOM (1984, *April*) 227 —Picture demo GRAFME5S (1983, November; 24 —BBS system GRAFXXX (1983, *January*) 84 —X-pad utility GRAGSALE (1984, *May*) 156 —Garage sale record
- GRAPH (1984, February) 55 -Plot a pie-graph GRAPHIC (1982. September) 32 —Graphics demfj GRAPHICS (1982, No member J 86 — Graphics demo GRAPHICS (1985, April) 268 —Graphics demo

keeper

240

- (PASCAL) GRDELST (1934, October) 31 -see SPELTEST GREETING (1984. December) 61 -Holiday gra-
- GUIDE (1984, November) 256 Elementary school
- GUITAR (1984. Junej 164 Display guitar chords HAMFREG(1983. December)41 - Ham radio utility HANDLER (1984. November) 104 - Disk utility HANGMAN (1983. February) 40 - Game
- HANOI (1982, November) 42 Towers of Hanoi game

- HARDCOPY (1984, March) 124 Print contents of screen
- HEALTH (1982. November) 124-Health questionnaire
- HEIST (1934. May) 195 -Hi-res game HEXHAPPY (1984. July) 1S1 —Hexadecimal drill HEXTUTOR (1983, *April*) 178 —Hexadecimal drill Hi-Q (1985. June) 99 —Game
- HIDEDIR (1983, October) 52 Disk utility HOSBIT(1933. January) 122 -Game
- HOLIDAY (1984. January) 150 Graphics demo HOME (1985. January) 26 - Graphics demo
- HOMEBDGT (1983, Ju7yJ 60 -Home finance HOMEFIN(?9S5. March) 90 -Home finance
- HOMEUTIL (1983. Marcri)64 Utility bill calculator HOMONYM (1985, April) 77 — Quiz on homonyms HOMONYMS (1983, February) 16 -Random number demo
- HOMRUN (1983, August) 64 Program for Plug-npower controller
- HOSSRACE (1983. April) 28 —Game HOURGLAS (1985, January) 156 —Programming
- utility
- HOUSES (1934. March) 164 —Home ownership questionnaire
- HOW (1983, November) 204 -Number guessing game HÜRICANE/1984, October) 164 - Home hurricane
- tracking station HYRES()982, October) 92 —ML graphics demo
- ICE (1982, June) 25 —Game (Ice lander) IDEAS 2 (1983, September) 145 - Education-
- choose topic to write about IDENTKIT (1983, October; 306 - Draw a face ILLUSION (1983, March) 28 —Optical illusion ILLUSION (1983, October) 78 - Graphics demo
- IMAGES (1984, February) 198 Introduction to image processing
- INCOEXP(I9S5, *April*) 175 —Landlord program INCOMTAX (1983. *April*) 77 —From February 1983, page 18-Income tax
- INCOMTAX (1983, February) 18 —Income tax aid INFLTION (1984, March; 76 -Effect of inflation INITMEMB (1984, November) A8 - BBS patch (RAIN-BORD)
- INIT36 (1983, October) 51 —Disk utility INMAN1 (1982. December) 41 -Graphics demo (also INMAN2-3)
- INMAN1 (1982, October; 17-Graphics demo INMAN1 (1983, January; 106 - Graphics demo (alsoINMAN2)
- INPUT (1985, Ápril) 112 -Full sentence input rou-
- INSTALL (1984, December) 36 Change ROMS INSTRFLT (1984, August) 75 - Simulation game-
- INTEREST (1985, March) 253 -Interest calculator (PASCAL)
- INVADERS (1983, March) 218 -Action game INVITE (1983, January) 74 —Birthday party invitation
- IRA PROJ (1984, August) 8B Pension projection J&E[L3)(79S3, Sepfember)56 — Logo for math club JINFILE (1984, November) 169 - Jumbo information file handler
- JK DRAW (1933, March) 166 —Joystick drawing JNKFOOD1 (1984. November) 92 -Game
- JNKFOOD2 (1984. November) 94 —Game
- JNKFOOD3 (1934, *November*) 95 —Game JNKFOOD4 (1984. November) 99 —Game
- JOPLIN (1984, June) 57 —Data for COMPOSER (Dec 83)
- JOYIN (1982. August)8—Demo of JOYIN ROM call JOYSTICK (1985. March) 232 - Joystick demo JSTKTEST (1985, June; 105—Wireless joystick test JUNGLE (1984. *August*) 19—4K graphics game KCE (1985, January) 45 —Keyboard cassette controller
- KDYBOD(1983, December; 209-Driver for calculator keyboard conversion
- KEYBOARD (1984. March) 129 —Typing tutor KEYBOMB(1984, August) 150 — Elementary school
- KEYFUN (1984. January) 210 Elementary education game
- KOLARDES(1984, January) 66 Random graphics KWICDRAW(1985. May;63 —Graphic utility LABELER (1983. June; 30—Cassette label maker LABELS (1984. May) 77 - Mailing labels

- LANDLORD(1984,Ju(y;32-Game like Monopoly LASRWOHM (T983. November) 220 -Action game LAYOUT (1984. June) 25- Interior decorating aid LEMONADE (1983. April) 60 —Simulation game LETRHEAD (1982, April) 46 —Letterhead logo LETTERS (1985, May) 147 —DRAW alphabet on hi-res screen
- LG DUMP (1985, May) 20 -Large screen dump for Prowriter
- LICEN-LR( 1983, October; 107 "Computerlicense" for schools
- LICENSE(7383, October; 107-"Computerlicense" for schools
- LIGHT'N' (1983. April) 16 -Graphics demo LIGHTPEN (1983, April) 90 — Light pen demo (also LITEPEN2)
- LIL E 1 (1984. October) 122 —Improved editor LIL E 2 (1984. October) 124 —Improved editor LI NESf 1983. Augusr) 80 —Random display of lines LINK2 (1985, *January*) 60 —see GENLINK
- LINKS (1985, January; 61 -see GENLINK LINK4 (1985, January) 64 -see GENLINK
- LINK5 (1985. January) 64 -see GENLINK LISTER (1985, January) 151 -Listing utility
- LISTING1 (198-7, May) 117 Tutorial LISTING1 (T984, October) 92 -Lores graphics demo
- LISTING1 (1985, *April*) 247 —EDIT tutorial LISTING1 (1985, January) 88 —Tutorial LISTING1 (1985. June; 158 -Using the DRAW statement
- LISTING1 (1985. (Karen) 102 -Elementary drillsentences
- LISTING2 (1984, August) 65 -see TRAPPERR LISTING2(1934, December) 254 — 51 column utility
- LISTING2 (1984, March) 96 —see PLAYBOOK LISTING2 (1934, May) 118 —Tutorial LISTING2 (1985. January J 88 - Tutorial
- LISTING2 ()985. June; 158 —Using the DRAW Statement
- LISTING2 (1985, MarcdJ 102 -Elementary drillsentences
- LISTING3 f 7984, August) 65 —see TRAPPERR LISTING3 (1984, March) 96 -see PLAYBOOK LISTING3 (1985, March) 103 -Elementary drill-
- sentences LITTLE E (1984. April) 1B1 -Improved editor LLISTER (1985, January) 151 —Listing utility LOADP!X(79S4, *October*) 134 —Graphics utility for "ART GALLERY"
- LOAN (1982, October) 70 Amortize a loan LOCOCOCO (1984, June) 69 —Graphics demo LOGSHEET (1982, December) 124 - Ham radio util-
- LTRWRITER (1984, January) 87 -Letter writing program
- LÜRKLEYf798S, MarcriJ 44 —Adventure game MACDATA (1983. December) 181 —Machine Ianguage to Basic data converter
- MADADDER(1984, September) 149 Mathematics
- MANYPOLY(79B3, Apr/VJ 110 -Graphicsdemo MAPMNDER (1983, *November*) 293—X-pad demo MARATHON (1983, October) 19 -Action game MARKUP (1984, Marcb) 21 -Small business application
- MARQUEE (1983. February)204 —Graphicsdemo MARYSONG(79B3, September) 220 -See and hear music sample
- MASH16K(1984, August; 67 —Trivia game MASH32K (1984. August; 67-bonus —Trivia game MASTERMND (1983, August; 21 - Game like Mastermind
- MASTER1 (1984, August) 238 —Assembly tutorial MASTER2 (1984, *August*) 239 —Assembly tutorial MASTER3 (1984, August) 239 —Assembly tutorial MATCHING (1985, ApriVJ 78 —Matching quiz MATH (1982. September) 82 - Math practice MATHDRIL f 1984, September) 226 - Drill for mathe-
- matics MATHGAME(>984, January)99 — Educational math game
- MATHGEN (1984, August; 42 -Teacher's worksheet generator
- MATHLAB (1985. February) 122 -Math quiz with
- MATHPALf 7983. January) 111 Elementary education drill

```
MATHPROB (1984. August) 49 -Teacher's malh
 problem generator
```

MATHQUIZ (1983. September) 154 - Elementary math quiz

MA2EBLDR (1985. May) 116-See RAT MAZE MCQUIZ (1934. September) 59 - Multiple choice test generator

MCI OCONVf 1983. OctoGer) 196 - WIC-10 conversion routine

MEMCHECK (1984. March) 32 -Aid to enter ML programs

MEMEX1 fJ982, December) 54—Examine memory contents (also MEMEX2)

MEMORY (1983. Ju(y)202 - Game

MEMORY (1984. January) 116-Concentration-like game

MEMSCANf 1984. April) 134 —Utility to scan memory addresses

MERGE 11985. February) 161 —Cassette merge util-

MERRO (1984. February) 28 -Adventure game MERYXMASf (983. December) 205 - Animated graphic Xmas card

MINICALC fl962. October) 60 - Spreadsheel program

MINIDATA f!986, *Jprte*) 152 —Simple database management program

MINIDOS(1983. July) A3-Virtual disk demo MINIMON (1982, October) 38 - Machine language monitor

MINIVENT (1984, February) 40 - Demo of adventure programming technique

MINI VENT ( 1984. March) 40 —Adventure game aid MISNLTR(1984, JanuaryJ211 —Elementaryeducation game

MISSILES (1983. August) 218 - Action game MLCASSET (1983, October) 84 -ML cassette I/O MNUTWALZ ((985. June) 130 -Music demo of Chopin

MOCALC(19S4. April) 1S9 - Spreadsheet MOD ART f!S84. January) 24 —Random graphics

MODE4PRT (1985. May) 93 —Utility far Okidata ML92 printer

MOIRE 11982. October) 74 —Graphics demo MOIRE (1984. October) 19 —Graphics demo

MOIRE1 (1382. November) 23 - Graphics demo (also MOIRE2-4)

MONSMENU (1983, June) 126 - Adventure game utility

MONSTERS f 1982. October) 108 -Adventure game

MOREPOLY (1982, April) 10 -Graphics demo MPP BASIC (1981, May) 36 - Motion picture programming

MR ED (1983, June) 140 -Improved editor MSGCENTR (1984. November) 31 -- Home message center

MSTRMSGR (1933. November)43 - Compose BBS message off-tine

MULTO(1985, Jurtej 18-Game to learn multiplication

MUSIC (1983. September) 219 —See and hear music

MUSIC (1984, June) 185 - Music demo MUS1C+ (1984. Junej 77 —Music synthesizer MUS11312 (7934, June) 67 -1812 Overture MYSTERY ((984. September) 91 —Learning game NAMES (1984, May) 113 -Adventure game aid NAMESONG (1985. June) 163 -Name that Tune game

NFL-16 (1932. July) 54 -Football stats NFLS (1983. June) 12 - NFL schedules NMBRJACK (1985. May; 28 - Memory game  $NONGRAPH (19S2, Sep\ (ember; 72-Graphics\ demo$ NOTETUTR (1985, Jurtej 92 - Piano note tutor NUKESIM (7933, April) 112-Nuclear simulation NUM QUIZ (1934, January) 140 -Number Base

NUMBERS (1934, April) 184 —Hi-res printing of numbers

conversion auiz

NUMBERS (7934, June) 121 - Elementary education game

NUMMEN (198?. September) 18 —Number picking

NUTCRCKER^9S3, December) 132-bonus — Demo tor COMPOSER

OASIS (1935. June; 229—Hints on the PEEK command

OASIS (1985. May) 181 —Elementary school game OLYMPICS (1984. August) 156-Olympic symbol OPPOSITE ((932, August) 41 —Education game OPTICAL (1983. MarcbJ 28 —Optical illusion ORRITSIMf 1984. JulyIA88 - Simulate orbital para-

ORDER (1982. August) 19 —Mail order generator ORDER 1 (1985, May) 173 —Mail order generator ORDER 2 (1985. May) 176 -Mail order generator for Okidata 92 printers

OUTPOSTS (7933, February) 34 -Game PAC EM f J9B4, January) TO -Action game PAD 1 (7933, January) 84 — X-pad demo (also PAD 2

PAGER (1983, April) 82 - Memory examiner PAGER (1984. December) 168 -128K utility PAINTCAR((9S3,SepfemberJ304—Pemoof PAINT PAINTER (1984. March) 136 —See CONVERT PAIR16(1984. October) 112 —16 position pairings PAIRS (1984, Qcrfooer) 107 —8 position pairings PARAJUMP (1982. December) 76 - Game PARAJUMP (1983. December) 177 - Action game PARIBET (1984. April) 195 — Gambling game PARRECT (1983. March) 102-Graphics demo PAR6V10 (1984. December) 158 -Disk utility PAR6V11 (1934. December) 158 - Disk utility PAR7V10 (1985, January) 166 —Disk utility PAR7V11 (1935. January) 166 —Disk utility

PATCH (1934. November) 45 -BBS patch (RAIN-BORD) PATCH10(1984, September) 79-Disk utility PATCH11 (1984, September) 79 - Disk utility

PATROL (1984. Ju(y) 75 — Graphics demo PATTERNS (1985. June) 229 —Number patterns PATTERNS 0985. May; 13S — Number patterns

PENGUIN ('1985, February) 36 -Adventure game PERIMETR(1984, April) 44 —Find areas or perimit-

PERSAVE (1984, November) 132 -Home finance PERT (1985, March) 142 —Projectevaluation review technique

PHONE(1982, November) 82 —Elementary education drill

PIANO (1984. *June*) 19 —Music—piano keyboard PICMAKER (1934, *January*) 187 - See PUZLSTIX PICTURE (7g82, *May*) 36 —Motion picture programming

PIEGRAPH (1984. January) 193 —Plot a pie-graph PIEGRAPH ((934, March) 202 -Plot a pic-graph PILOT (1984, March) 63 —Hi-res airplane game PIPELINE (1983. June) 258 —Game

PIXDUMP (1983, *June*) 250 —Screen dump utility PIXGEN (1985, *May*) 64 —Graphic utility PLAY0OOK (1984. March)33 -Aid to sport's coach PLOTTER f 7982, December) 170 —Utility for CGP-

115 printer PLUGNPOW (1983, February) 160 -Plug 'n Power utility

PMODE4 (1983, July) 262 -Screen print dump PNPCLQCK (7g83, April) 21 —Real lime clock POKER (1983. Apri\*) 162-Game

POLYGONS (1983, December) 318 —Graphics demo PONG (19B2, September) 41 —Game

PORSCHE (1985. April) 240 —Draw a car POSTCARD (1984. May) 66 —Postcard maker POWER (1982, October) 73 - Open RS232 port for

continuous feed PREFIX (1983, February) 110-Ham radiocallsigns PRESIDNT (1984. Ocrober) 149 - Trivia game PR1NTDIR (1933, March) 112-Disk DIR utility

PRNTHDG (1983, February) 207 -Change print Statements to PRINTS-2 PRNTUTIL (1982. September) 51 - Printer utilities

%PROFIT (1984, March) 21 - Small business application

PROMNADE (1985, June) 58 - Animated graphics

PROTECT f 7984, January) 147 —CSAVE protection

PRTGEM (1984. September) 67 -see MCQUtZ PRTMAJIC (1984. May) 22 - Printer utility PRTVII (1984. Sep (ember J 64 —see MCQUIZ PSGDEMO (1984,/I ugusr) 145 — 1/0 interface driver PSGDRVR(1984. Aufjusf)I44 — I/O interface driver PUMPKIN (1982. October) 104 —Graphics demo PUT1 (1985, January) 24—Graphics demo PUT2 (1985, January) 24 -- Graphics demo

PUZLSTIX (1984. January) 185 - Game like jig-saw puzzle

Q-NERD (1984. May) 176 - Like Q-BERT

QCKFIND (1983, December) 164 —Alphabetic list of up to 10 disk directories QSORT (1983. Ju(y) 120 —Sorting utility

QSORT ML (1933. flrionstj 204-Machine language sort procedure QSORTDIR (1933. August) 204 —Machine language

sort procedure OSORTTST (1983. August) 202 - Machine language sort procedure

QUADDRAW/1983. October) 77 —Graphics demo QUIZ 1 (1984. July) 164 -True-false quiz (also OUIZ2-3)

QUIZMAKŔ (1984, June) 110-Teacher's aid RACER (1985, *March*) 128 —Hi-res racing game RACES (1984, Apr((J 85 —Horse race game RAINBORD(1983. November) 29 —BBS System RA1NBUG (1983. Apn'O 44 - Machine language monitor

RAINBUG (1983. August) 60 - Machine language monitor part 4

RAINBUG (1983. June) 264 - Machine language monitor

RAINBUG (1983, July) 234 - Machine language monitor

RAINBUG (1983. September) 308 - Machine Ianguage monitor (5)

RAINDEX (1983, Jánuary) 126—Indexing program RAINDROP (1983. October) 77 —Graphics demo RAINTEXT (1983, JuneJ 76 - Word processor, Part

RAINTEXT (1983, SepfemoerJ 291 - Word processor, Part II

RANDOLF (1983, February) ?? -From January 1983, page.26-Adventure game

RANDOM (1982, May) 44—Random number demo RAT MAZE (1985, May) 108 - Game

RBCPLUS (1984, February) 24 -Rainbow check improved

RBOADE (1982, Jufy) 9 —Adventure game RBOWCHEGK f 1983 January) 95 — Rainbowcheck utility

READBIN (1983, December) 180 —Read binary disk file and print output REALTIME (1985, June) 83 —Real time Clock (need

hardware mod)

REOCHASE (1983, November) 158 -Red screen graphics

REG POLY (1983, *April*) 106 —Graphics demo REMOTE (1983, *November*) 24 —BBS system REMOTE (1933. November) 120 -Remote operation of CoCo

RENGMANG (1985. MarcrtJ 110-Rental property system

HENTMENU (1985, March) 108 -Rental property

REV DEMO (1983, August) 288 -Reverse video demo

REVENGE (1983, July) 138 —Game

REVERSE (1984. Ju)y) 69 - Game

REVFIELD (1983, August) 285 - Reverse video utility (Basic)

REVFLDML (7933, August) 2B6 —Reverse video utility (Assembly)

REVOLVE (1933, April) 188 —Graphics demo RINGS (1982, July) 27 —Adventure game aid RIXPATE (1983. June) 148 — Readability estimate (education)

RND LAB (1983, September) 19 -Scheduler for teachers

RNDWALK (1983, January) 130 -Random walk demo (2 programs)

ROACH (1983. June) 38 - Game

ROADRACE (7934, November) 37 -Roadracing

ROCKET (1985. June) 58 -Animated graphics

ROCKFEST (1984. May) 94 —Graphics demo ROLLUP (1983, December) 231 -Adventure game

character generator ROTRECT (1983, March) 102 - Graphics demo

ROULETTE (1984. April) 28 - Gambling game RULERRDR (1983. September) 124 — Elementary education-use a ruler

RUNNER 1 (1984, March) 171 - Running game RUNNER 2(1984. March) 173 -see RUNNER 1 RUNNER 3(1934. March) 174 -see RUNNER 1 RUN4LIFE|19S5. April) 20 —Action game SAFECRKR (7933. August) 290 —Safe cracking game

SAILDATfJ982, October) 76 —See SAILOR SAILOR (1982. October) 76 —Sail boat game SALESREG (1683, August) 143 —Cash register conversion

SAMPLE 11984, January) 156 —PMODE demo 5AR 27 (1983, January) 170 —3D graphics SAVEM f 1982, April) 42 —Save ML programs to disk SCANDAL (1984, October) 248 —Search BASIC program for string

SCORING 11982. April) 40 —Hi-res on screen scoring

SCRAMBLR(19S4. September) 132 —Word scrambler tor spelling tests

SCHEENCL 11983. March) 84 —Screen control utility 3CREEN51 (1984. December: 253 — 51 column util-

ity SCREEN51 (1985, *January)* 248 —51 column utility

SCREENS1 (1985, Valuary) 246 —31 column utility (final)

SCRIPT (1983. December) 194 —Education - help slow reader SCRIPT (1985. May)69—Cursive writing with CGP-

115
SCRNDUMP (1985. *May*) 20 —Screen dump for

Prowriter printer SCRNQUIZ (1984. *June*) 108 —Teacher's aid

SCRNQUIZ (1964. June) 106 — Teacher's aid SCROLLP(79S2, November)46 — Scroll protection utility

SDC (1985, JuneJ 113 - Disk utility SENTENCE (1985, February) 240, —Sente

SENTENCE (1985, February) 240 —Sentence construction drill

SERL6V10 11984, December) 158 — Disk utility SERL6V11 (1984, December) 156 - Disk utility SERL7V10 (1985, January) 166 — Disk utility SERL7V11 (T9S5, January) 168 — Disk utility SHORTHNDf 1984. February) 191 - Keyboard utility

SHPS&CLR{1984. Januarys 212—Elementary education game

SHUFFLE (1983. July) 196 —Game
SHUTRBUG (1983, October) 70 —Game
SHUTTLE (1984, May) 133—Graphics demo
SIGN (1983, February) 110 of 1983, January —
Graphic sign maker

SIGNS (7933, *June*) 198 —Printer utility SIGNS (7934, August; 106 — Elementary math game SIN-COS (1983, *June*) 90 —Graphics demo SINFONIA (79B3, *November*) 152 —Music by J.S.

SKETCH (1984, October) 100 — Joystick painting SLASH (1984, July) 87 — Printer utility SLOPAINT (1983. October) 62 — PAINT demo SLTMACHN (1934, April) 132 — Gambling game SNAKE (7935, January; 248— Demo Of ML graphics game

SÑA KERf 7934, January) 173 — Lo-res action game SOA (1984. December) 247 — Graphics demo SONGS (1982. December) 10—Music demo SONGTIME (1984, January) 211 — Elementary education game

SPACRAČE (1985. February) 70 —Math game SPEEDMTH (1963. December) 127 —Math quiz SPELLING (1983. March) 198 -Spelling test SPELTEST09S4, October; 29 —Spelling test SPINNER (1983, April) 190 —Graphics demo SPOOLER (1983, June; 246 —Print spooler

ST FBALL(1933. *August)* 236 — Simulation game **STAFF** (1982, *December*) 68 — Music note tutorial STARMAPf1982. *June*) 58 — Creates mini-planetarium

STARSONG (1985. *March*) 104 —Graphics demO STATEMEN (7933, *November*) 98 —Send out an

STATS 11983. July) 92 —Little League statistics STATS (1983. October) 144 —Statistics tutorial STDLTR (1983. December; 70 —Write your Xmas letters

STKINDEX (7935. *March*) 173 --Stock market index STKMARKT(7384, August; 121 —Simulationgame STNDGLAS (7933, *August*) 28 —Graphics display of stained glass window

STOP IT (1983. *March*) 136 —Game SUB HUNT (1983. *March*) 144 —Game SUBRTINE (1984. *April*) 40 —Fixes text or screen

SURFACE (1985 April) 53 —Simulation game SWAMP (1982. June) 49 —Game SYSOP(1983, November) 2b —BBS system

SYSOP(1983, November) 2D —BBS system SYSOP2 (1984, November) 4S - BBS patch (RAIN-BORD)

SYSSAVE(1984. *July*) 2: —Disk utility SYSTEM (1984, July J 23 - Disk utility

T-B1LL(1985, *March*) 153— Treasury bill calculator TAPEDATf79S3. February,) 96 - Tape catalog generator

TAPEDIR (7933, *December*) 169 —Cassette tape directory

TAROT(7934. October) 75 —Fortune telling game TARTAN (1983, January; 49 —Graphics demo TAX-HIST(1983. February) 148 —Income tax utility TCHRAID(79S3. December)294 -Teacher's aidhelp fill out terms

TELECOM (1983, *November*) 53 —Modem II auto dialer

TERMS ((935. May) 141 —See TRI-HANG TESTDEMO (1933. June) 24 —Printer utility TESTEM (1982, May) 17 —Multiple choice tester TESTEM 1 (1934. April) 57 -Hi-res screen quiz TESTEM 2 (1984, April) 60 —see TESTEM 1 TEXTPRO (1985, January) 105 —Text processor THE GAME (1984, April) 213 —Hi-res graphics game

THE TRACK (1982. September) 60 —Racing car game

THE TRIP (1984. August) 92 —Hi-reS adventure game

THE WORD (1983, February) 48 — Elementary word game

TIMER (1983, *December*) 184 —Clock speed timer TITLE (1984, *January*) 64 —Center a title TONE ROW (7934, JuneJ 24 — Music utility TORI(LI) (1983, September) 53 —Logo lor math club

TPTDSK (1984, February) —see January, page 49 TPTDSK(>984. January; 49—Tape to disk utility also in Feb. tape

TRAILING (1983, August) 36 —Action game TRANSACT (79S5, April; 173 —Landlord program TRANSFER (1982, December)29 -SeeASMBCOR TRAPPERR (1984, AugusfJ 65— ON ERROR utility TREASURE (1985, May) 82 —Geometric treasure hunt

TRI-HANG (1985. May) 134 —Talking hangman

TR1GSHOW (1983. January) 175 —Trigonometry demo

TRIVIA (79S3. June; 16 —Trivia game TRIVIAL (1983. *December*) 93 —"Trivial Pursuit" like game

TUMBRELA ((983. October) 204 --Graphics demo TUNING (1982. April) 36 —Music demo TURNSCRW (1995. May; 57 -Sollware for Radio Shack voice synthesizer

TUTORIAL (1983, *December*) 118 —Siring handling tutorial

TUTORIAL (1983. October) 182 —BASIC tutorial TWIRLER (1983, October) 78 — Graphics demo TWIRLERS f 1963. April) 190 —Graphics demo TYPEII (1982. December) 116 -- Printer utility TYPESET (1984, JuneJ 176 —Typeset modem File transfer

UNIDATFL (1982. *June*) 57 —Database manager UTILITY (1983. September) 78 — Transfer EDTASM from tape to disk

V1TEX93 (1933. September) 203 —Draw complex Shapes

VOTRAXfl984, June; 130 —Utility for VOTRAX VOWELS (1933. April) 96 -Vowet counter VROOM (1983. February! 132 —Decision maker model

WAGER (1984. May) 168 —Horse racing game WALPAPER (1984. June/ 206 —Wallpaper coverage calculator

WARGAME()9S3. *November*)93 —Simulation game WARGAME2 (1983, *November*) 100 —Simulation game

WARGAME3 (1983. *November*) 105 —Simulation game

WARGAME4 (1983. *November*) 106 —Simulation game

WDPRO (1982. May) 6 —Word processor
WEFAXf 1985, February) 45 —Satellite weather map
WHATZIT C7983, July) 124 -Wordgame
WHEEL (1984. April) 141 —Game like Hangman
WIDGET (1983. July) 172 —Graphics demo
WILDWEB (1982. April) 37 —Game
WINDOW (1984, Juncj 61 —Tutorial
WINTER (1984. February; 120 —Graphics demo
WORD (1982. September) 95 —Word game
WORDGAME (1984. November) 85 —Game
WORDLOAD (1984, September) 168 —see AUDIOSPL

WORDPRO (1982. November) 138 —Word processor

WQRDSRCH(7982, December; 130—Spelling drill WRITIDEA (1983, September) 140 -Education-choose topic to write about

WRKSHEET (1983. October) 148 - PRINT® locations

XMASCARD (1984, December) 136 —Makes Xmas cards

XMASCRLSi 1983, *December*) 35 - Music tor Xmas XMASLTR(J983. December; 69— Write your Xmas letters

178 POKE (1983. October; 102 —Graphics utility 2-COLUMN (1985, MayJ 44 —LLIST in 2 columns 2CRAPSA (1983. June; 256 -Game 20 ODD (1984. January) 202 —Graphics demo 3CRAPS (1983. June; 257 —Game 3CRAPSA (1983. July) 148 —Game 3D (7932, November) 8 —Game in 3 dimensions 3DGRAPH (1983, June) 116—3 dimension plots 3DMAZE (1982, April) 7 —Hi-res labyrinth game 64KBASIC (1983. October) 319 -Use 64K 7COLORS(J985. January) 38—Graphics demo

8-COLOR (1984. October; 19 Graphics demo

## THE FIFTH YEAR OF RAINBOW

An index to the articles, reviews and authors appearing in THE RAINBOW from July 1985 through June 1986, including an index to RAINBOW ON TAPE.

Compiled and Edited by Leslie A. Foster

### AN INDEX TO THE RAINBOW **JULY 1985-JUNE 1986**

This is the third index to the Rainbow, — the format has been unchanged from last year. Items that are also included in "Rainbow on Tape" have the symbol • after the page number.

The subject breakdown, and number of items per heading are shown below. The numberfollowing in brackets is the total number of articles since July 1981.

ASSEMBLY LANGUAGE - 6 (40) BUSINESS-4 (29) CASSETTE - 1 (5) CLUBS-4 (7) COMMUNICATIONS - 17 (44) DATABASE MANAGEMENT - 1 (9) DISK- 11 (53) DRAGON COMPUTER - 0 (3) EDUCATION- ELEMENTARY-16 (41) EDUCATION - GENERAL - 34 (144) EDUCATION-LOGO-0 (4) GAME-29 (203) GAME-ACTION-7 (12) GAME - ADVENTURE - 4 (22) GAME - SIMULATION - 2 (17) GENERAL-22 (133) GRAPHICS-47 (160) HARDWARE-0 (18) HARDWARE PROJECT - 10 (27) HARDWARE TUTORIAL - 5 (7) HOME APPLICATION - 15 (76) HOME FINANCE-7 (21) MC-10 MICRO COLOR COMPUTER - 0 (6) MUSIC- 14 (38) OPERATING SYSTEMS - 0 (3) OPERATING SYSTEMS - OS9 - 18 (55) PASCAL-2 (13) PRINTER-6 (58) QUESTIONS AND ANSWERS - 19 (42) SOUND SYNTHESIS - 3 (4) TUTORIAL- 12(40) UTILITY- 12 (122)

PRODUCT REVIEWS - 270 (1353)

AUTHOR INDEX - 304 (1364)

ARTICLES-598 (2819)

This index only covers the last year of publicationthat is from July 1985 to June 1986. For the index to previous issues, either see the July 1984 issue (page 259) for items from July 1981 to June 1984 and the July 1985 issue (page 229) for items from July 1984 to June 1985.

### TOTAL NUMBER OF ARTICLES (July 1981 to June 1986) - 2819.

An index to "Rainbow on Tape" from July 1985 to June 1986 is included—it is arranged alphabetically by the name of the program, with a short description, and contains 337 titles. The previous "Rainbow on Tape" programs were indexed in the July 1985 issue on page 238, and contained 800 programs-giving a total of 1137 programs.

Leslie A. Foster is a Librarian with Dalhousie Ocean Studies Programme in Halifax, Nova Scotia, Canada. He is the co-editor of "Marine Affairs Bibliography"-an index to law of the sea literature, and has owned a Color Computer since April, 1981.

### **ASSEMBLY LANGUAGE**

Barden, William, Jr. "Disassembling the secrets of ROM." (1986, May) 227

Barden, William, Jr. "The straight, hard facts about Assembly Language." (1986, February) 119

Betts, R. Bartly. "Flashing in 6809."(1985, *July*)84 • Betts, R. Bartly. "Interfacing machine languagewith BASIC." (1985, August) 96«

Dean. Mike. "Defeatde bugs." (1986, February) 38 — Help in hand assembly problems.
Weide, Dennis H. "Machine code loder." (1985,

July) 144\* — Use machine language without an editor/assembler

### **BUSINESS**

Bernico, Bill. "Financing: The economic advantage." (1986, March) 71» — Calculate installment loans.

Hill, Eddie. An annual expense tracking and management system." (1986. March) 122\* Correc-

tion, May 1986, p. 127.

Tottingham, Bill. "Receipt maker and file." (1986, March) 22\* — Correction, May 1986, p. 127.

Whaley, Clarence. "The rule of 78s."(1986, March) 36\* Determine installment loan payments.

### **CASSETTE**

Carmichael, Craig. "The secret to loading those double speed tapes." (1986, February) 76

### **CLUBS**

"CoCo community." (1985. July) 244
"CoCo community." (1985. October) 156
"CoCo community." (1986, January) 221
"CoCo community." (1986. April) 173

### COMMUNICATIONS

Augsburg, Cray. "Databaseditties." (1986, June)97 - Delphi news.

Augsburg. Cray. "Presenting the 'Delphi Advantage." (1986. April) 116

Augsburg. Cray. "Setting the stage for'spring cleaning.'" (1986, May) 92 - Delphi news.

Chouinard, Daniel. "The phone file trader." (1985. November) 36» — Communications program to trade files over the phone.

Curl, John R. "Here by populardemand: New Delphi announcements." (1986. March) 210

Curl, John R. "The latest on our newest dimension: The CoCo SIG." (1986. January) 183 - News on the Delphi Information Service.

Curl, John R. "Some notes on downloading." (1986, February) 88 — Delphi hints.

Day. R. Wayne. "Harvesting summer's bumper crop of BBS's." (1985. November) 61

Day. R. Wayne. "Music and a terminal program, too?" (1985, *September*) 88\* — Discussion of 'Orchestra-90."

Day, R. Wayne. "A question and answer repertoire." (1985. July) 90\* — Questions and answers on communications, BBS, etc.

Duncan. Richard. "CoBBS: a look at the commands.

(1985. December) 153\* - Part 2 of a BBS program.

Duncan, Richard. "CoBBS: An introduction to the system and its special features." (1985, November) 135\* —Complete BBS program.

Duncan. Richard. "CoBBS: How to modify the pro-

gram to use the CoCo serial port." (1986. February) 100»

Duncan, Richard. "CoBBS: Setting up various files to make the system operate." (1986, January)

Landwehr, Larry. "CoCo conversation." (1985, November) 124 — How to hook two CoCos together.

Plog, Michael. "Educating with electronic communications and research." (1986, March) 154 — Thoughts on Delphi.

Taylor, Scott M. "More power and protection for your BBS." (1985, *November*) 106\* — Modifications to "Remote" from November 1983.

### DATABASE MANAGEMENT

Clark, Stephen P. "Julie The Mouse.'" (1986, April) 157\* — A database program.

### DISK

Dater, Andrew. "An easy way to run your programs." (1986, February) 36\* - Disk menu utility.

DiStefano. Tony. "Switching double-sided disks." (1985, August) 162

(1985, August) 162
Dwight, Jeffry. "Zapping with confidence." (1985, December) 118\* — A disk utility.
Eichstaedt, Pete. "Gathering up scattered programs." (1986, February,) 94\*

Goodman, Martin H. "A disk tinkerer's device." (1986, March) 84» — Disk utility.

Goodman, Martin H. "The great transformation." (1986, *June*) 182» — Conversions from MS-DOS to CoCo.

Heyza, Doug. "Say 'hello- to this directory helper." (1985, August)S9» - Correction, October 1985, page 228.

Peake, Jim. "Discover the 'hidden' five tracks." (1986, June) 92\*

Stearman, Colin J. "Getting on the right track." (1985, *July)26\** — Howto use40or80tracksand double sided. Correction, January 1986, p. 231.

Trapasso, Dave. "Doing the disk-o-step." (1986, April) 149\* — Disk alignment.
Wilson, Terry. "Crash-proof it!" (1986. February)

31 • — Spare copy of disk directory.

### **EDUCATION - ELEMENTARY**

Albrecht, Bob; and Zamora, Ramon. "The Dragon-Town library." (1985, October) 98 — Review of books for teaching children and some elementary sound programs.

Albrecht, Bob: and Zamora, Ramon. "Help wandering star in the right direction." (1985, July) 79«

Albrecht, Bob; and Zamora, Ramon. "It's been a great two years." (1985, *December*) 56 — Hints for parents of young children.

Albrecht, Bob : and Zamora, Ramon. "Making your own mandala—guaranteed not to melt!" (1985. September) 142\* — Programs for children.

Albrecht, Bob : and Zamora, Ramon. "Play and learn together—wonderment is contagious." (1985. August) 136« — Short demos for children. Bernico, Bill. "Elevator." (1985, October) 25\* —

Learning aid for pre-schoolers.

Blyn, Steve. "The daily schedule pictograph: A time for every purpose." (7 985, September) 44\* -Pictograph to show child's daily schedule.

Blyn, Steve. "The rainy day account." (1985, August) 148 • — Demo bank account for children. Blyn, Steve. "Take this message, please!" (1985, July) 42 •

Blyn. Steve. "Teaching children time concepts." (1986. May) 138»

Hyre. Leonard. "Become a math whiz!" (1985, September) 18\* - Math quiz.

Knolhoff, Mike. "A caterpillar's alphabet." (1985,

August) 83« Scerbo, Fred B. "CoCo, can you spare a dime?"

(1985. August) 142\* — Uses graphics to count change. Scerbo, Fred B. "Learning the value of numbers."

(1986, April) 118»

Scerbo, Fred B. "A measure of success." (1986, June) 117\* — Learn to read a ruler.

Scerbo, Fred B. "A simulation of life skills." (1986. February) 148\*

### **EDUCATION - GENERAL**

Bernico, Bill. "Keeping the communication lines open." (1985, *September*) 39\* — Teaches sign language.

Blyn, Steve. "Building language arts skills." (1986, March) 152\*

Blyn, Steve. "Gaining insight into your child's self image." (1986, February) 134•

Blyn, Steve. "Learning the art of written expression with proper punctuation." f 7985. October) 45 • Review of punctuation marks.

Blyn, Steve. "Locating points on a graph." (1986, April) 136 •

Blyn, Steve. "Preparing for the right career choice." (1986, January) 108

Blyn, Steve. "Teaching language idioms." (1986, June) 84 •

Blyn, Steve. "Working with the electronic book part 1."(1985, November,) 30 • — Program to use Radio Shack's Electronic Learning Book.

Blyn, Steve. "Working with the electronic book part 2." (1985, December) 30•

Kolar, Joseph. "Creative programming for the beginner." (1986, January)30• — Make multiplechoice quiz.

LaBelle, Russ F. "Oh! Canada." (1985, September) 124\* — Geography of Canada.

Lamonica, Mary; and Lamonica, James. "CoCo math class." (1986, *January*) 88»

Ligon, Elizabeth. "CoCo-etry." (1985, September) 130\* — Program to write poetry.

Mauro, Robert. "Bookmark: Yourvery own computerized Dewey decimal system. (1985, September) 227 • — Provides index to a library.

Osani, Keith. "Take word inventory with vocabulary." (1985, *September*) 80\* — Simulate a dictionary.

Plog, Michael. "Computers can play an important role in art education." (1985, October) 55

Plog, Michael. "The demographics of education." (1986, April) 139

Plog, Michael. "Developing effective computer literacy methods." (1985, July) 175 — Comments on computers in education.

Plog, Michael. "Education Texas style." (1986, May)

Plog, Michael. "How valuable is the 'hands-on' lesson?" (1985, September) 102 - Discussion of computers in schools."

Plog, Michael. "Integrating computers into classroom instruction." (1985, August) 150

Plog, Michael. "The learning process: The importance of 'how to think.'" (1986, January) 117

Plog, Michael. "Microcomputers: Not just a student learning tool." (1985, *November*) 102

Plog, Michael. "Robots: Their place in education." (1986, JuneJ86

Plog, Michael. "The schools get a report card." (1986, February) 138

Plog, Michael. "Successful organizational factors for integrating computers in school." (1985, December) 45

Rand, Penny L. "Learn those 'tricky words.'" (1985, September) 117\* — Practice in vocabulary.

Scerbo, Fred B. "An educational adventure for the CoCoand theMC-10." (1986, *January*)!^\* Scerbo, Fred B. "Super mathsheet generator II."

(1985, November) 79\*

Scerbo, Fred B. "Using your CoCo for educational plans." (1986, Way,) 131 • — Generateeducational objectives.

Shelton, Garry L. "Teacher's aid." (1985, September) 46\* — Record keeping for teachers.

Sherman, Lynn C.; and Baldassary, Walter. "CoCo testmaker." (1985, September) 30\* — Make multiple choice tests.

Taulli, T. C. "Scan it and understand it with rapid reading." (1985, July) 129• — Correction, November 1985, page 184.

Vasconi, Eugene. "How to be an educated stargazer in 12 easy lessons."(1985, September)55 • - Help with astronomy.

### GAME

Barden, William, Jr. "The meaning of life." (1986, June) 196\* — Description of game called "Life." Billen, David. "Zonx." (1985, October) 65\* — Action game.

Brockschmidt, Kraig. "Brain games." (1985, December) 190\* — A collection of 5 games.

Carlisle, Allen B. "Invasion of the flying saucer peopie." (1986, March) 1083

Compton, David. "Set your sails, keep a weather eye out for storms and beware of the Jolly Roger.

(1986, March) 18» — Adventure game for young

Franks, Bill. "A quandary of puzzles." (1986, January) 25 • — Like a jig-saw puzzle.

The Commandos want you!" Frerking, Anthony. (1986, February) 180\*

Halfman, Scott. "Who will survive?" (1986, June)

Jones, Tim. "If your'horse'comes in first, you lose!" (1985, November) 129. - Recreation of basketball game called horse. Correction, January 1986, p. 231.

Jones, Tim my. "Take the plunge with CoCo." (1985, September) 163• — 10 meter platform diving. Kilby, Mike. "Firestorm." (1986, January) 122\*

Kolar, Joseph. "The Goolian Olympics of trig functions." (1985, July) 148» - Game using trigonometry.

Krom. Matt. "As visions of the Pro-Am danced in their heads." (1986, May) 50 • — Golf game.

Nelson, Mark. "Get down and dirty in New York's sewers with super rooter." (1986, May) 26\*

"Oodles of games for 4K." (1985, August) 88\* —6 short games.

Pitel, Rick. "Trivia tic-tac-toe." (1985, December) - Correction, March.1386, p. 191

Price, Rolla. "Acrostics go high tech with Word+." (1986, May) 38. — Design your own crossword puzzles.

Ramella, Richard. "The \$100 challenge." (1985, July) 180\* — Contest using a CoCo game.

Ramella, Richard. "Bubble wars." (1986, February)

Ramella, Richard. "No nines allowed." (1985, October) 36\* — Game on 8 by 8 grid.

Ramella, Richard. "Number bumper." (1985, October) 180\* — Arcade game.
Rice, Robert E. "Sidewinding skirmishes with video

vipers." (1986, January) 99\*

Rutter, Richard W, "Computer trapshooting." (1985, November) 18« — Simulates skeet shooting.

Sabbatini, Mark. "Alpine slopes." (1985, December)

Scerbo, Fred B. "Fun for the whole family with galloping gamblers." (1985, December) 86\*

Sward, Steve. "Gopher it' (or'turnip' wet)." (1986, January) 18\*

Teague, Dennis. "The word-hunt crossword puzzle." (1985, December) 110\*

Wolcott, Larry. "Kung Fu fighting." (1986, March) 66\*

Wood, James W. "Rid the screen of the menace." (1985, September) 167» - Board type game.

### **GAME-ACTION**

Bradbury, Nick, "Destination: Moon base Amphibia." (1985, August) 106\* - Major correction, September 1985, page 129. — Additional correction, April 1986, page 103.

Britton, Steve, IV. "Operation freedom." (1985, August) 54« - Correction, October 1985, page 228

Dawson, David. "Sir Eggbert jumper leaps to the

rescue." (1985, *August*) 129\*
Fransen, Aaron. "The quest for the falcons' lair." (1985, August) 2S\*

Goodson, Joey. "A-maze-ing maneuvering with jetpack challenge." (1985, July) 106\*

Nation, Brad. "Which way did that mangy mongrel go?" (1985, August) 228\*

Saporta, Alan A. "Brotan the blue." (1985, August) 18« - Correction, October 1985, page 228.

### **GAME-ADVENTURE**

Bell. Bruce K. "The CoCo zone." (1986. April) 26 • -Grand prize in adventure contest. Further instructions, June 1986, p.220.

Firedrake, George; and Albrecht, Karl. "Fantasy fare." (1985, July) 137 — General information on fantasy

Kapfhammer, Jutta; and Helm, Philip. "Our twenty carat gold winners." (1986, April) 20 — Results of third Rainbow adventure contest.

Riley, Thomas E. "The Maze of Moycullen." (1986, April) 58\* - 16K winner of adventure contest.

### **GAME-SIMULATION**

Firedrake, George; and Albrecht, Karl. "For the gamemaster, just the end of a beginning." (1985, August) 154 — The last Gamemaster's apprentice column.

Tyson, Bob. "The great Rainbow simulation package." (1985, July) 46\* — Anniversary special-World War II, stock car racing and simulation generator. Correction, November 1985, page 184.

### **GENERAL**

Barden, William. "Pi to 10,000 digits." (1986, April) 228\*

Bernico, Bill. "CoCo, phone home." (1985, August) 124»

Bernico, Bill. "Important message." (1985, October) 176 — Mystery message

Betts, R. Bartly. "Bit banging with Boole." (1985, September) 172- Discussion of Boolean algebra.

Foster, Leslie A. "The fourth year of Rainbow." (1985, July) 229 - Index from July 1984 to June 1985 and Rainbow on tape from April 1982 to June 1985

Goodman, Marty. "Now you see it, now you don't!" (1986, June) 90 — How to determine EPROM erasure times

Green, Robert L. "As far as the eye can see." (1985, August) 230\* — Do it yourself eye examination. Moore, W. J. "Robocise." (1986, February) 116\* -

Exercise companion. Pettus, Ronald. "Zeroing in on Halley's Comet." (1986, *April*) 83• — Calculations to view the

comet "The Rainbow's holiday shopping guide." (1985,

December) 25 — Some gifts for Christmas.

"The RAINBOWfest reporter." (1986, February) 81

 Report on Princeton RAINBOWfest. "The RAINBOWfest reporter." (1986, May) 169 — Report on Palo Alto RAINBOWfest. Sheridan, Vincent H. "Soccer instructor." (1985,

August) 47 • — Teach the basics of soccer.

Suppe, Pasquale. "Handicappers enter the home stretch with Pace 1." (1986, May) 114\* - Aid for the race track fan.

"Volume 1, number 1." (1985, July) 98 — Reprint of the first issue of the Rainbow.

White, Richard A. "Building a spreadsheet with template repetition." (1985, September) 148

White, Richard A. "Direct comparison-exhibiting the power of spreadsheets." (1985, July) 154 Use a spreadsheet as an order form.

White, Richard A. "An explanation and review of spreadsheet functions." (1985, December) 267

White, Richard A. "Going over spreadsheet data look-up functions." (1986, January) 251 White, Richard A. "Using a spreadsheet as a file

manager." (1985. October) 238 Witham, Burt B., Jr. "Which award is which." (1985, December) 179« — Ham radio record keeper.

## **GRAPHICS**

Aftamonow, Ellen; and Aftamonow, George. "Rudolph, the red nosed reindeer," (1985, December) 18» Graphics'demo for Christmas.

Barden, William, Jr. "Joysticks, touch pads and digitizing the world." (1986, January) 224\*

Bernico, Bill "The Zoom-bloom plant." (1986, January) 129\* — Graphics demo.

Bernico, Bill. "A peace treaty for computer hackers and couch potatoes." (1986, March) 49» - Graphics demo. Correction, June 1986, p. 220.

Betts, R. Bartly. "The long and winding road to assembly graphics." (1985, November) 90

Borger, J. E., III. "CoCo unfurls Old Glory." (1985, *July*) 113\* — The flag using graphics.

The CoCo gallery." (1985, July) 178 — Samples of graphic art.

"The CoCo gallery." (1985, *August*) 178 "The CoCo gallery." (1985, *September*) 178 'The CoCo gallery." (1985, *October)* 170 —

Correction, November 1985, page 184. "The CoCo gallery." (1985, November) 178

- "The CoCo gallery." (1985, December) 210
  "The CoCo gallery." (1986, January) 114
  "The CoCo gallery." (1986, February) 178
  "The CoCo gallery." (1986, March) 114

- "The CoCo gallery." (1986, April) 114
  "The CoCo gallery." (1986, May) 18
  "The CoCo gallery." (1986, June) 114
- Delbourgo, Bob; Delbourgo, Daniel; and Delbourgo Tino. "Around the world in 18 frames." (1985, August) 73\* — Graphics demo of globe. Correction, February 1986, p. 168.
- Delbourgo, Bob; and Delbourgo, Daniel. "Random mosaics." (1985, August) 40» — Lo-res graphics
- Di Zazzo, Ernie. "Oh, long may they wave: A salute to the flags." (1986, May) 42\* — Flags of different
- Dold, Charles W. "Dynamic computer graphics." (1985, September) 70» — How to draw 3-D pictures.
- Glaberson, Aryeh. The eight lights of Chanukah." (1985, December) 196\*
- Golias, Ruth E. "Home sweet home." (1986, May) 20\* — Graphics demo.
- "Graphicsquickies." (1985, October) 18\* Various graphics demos.
- Hall, Mike. "Christmaspageantry." (1985, December)
- 212\* Graphics for Christmas. Kent, Jim. "Guppiegraphics." (1985, October) 106\*
- Assembly language graphics Kerckhoff, Peter. "CoCoCad modification." (1986, February) 103\* — Mod for DMP-120 printer.
- Kerckhoff, Peter. "CoCocad: The schematic scoundrel." (1985, October) 130» - Computer aided design for CoCo. Additional listing, February 1986, p. 103.
- Kohn, Joseph. "Pix files." (1986, February) 26\* -Transfer picture files CoCo Max, Graphicom, etc. Kolar, Joseph. "A final session with the 'A' option." (1985, October) 83\* — More on the DRAW state-
- ment. Kolar, Joseph. "Mastering the DRAW statement."
- (1985, August) 172\* Kolar, Joseph. "PSET sail in the FOR/NEXT sea." (1986, May) 174\*
- Kolar, Joseph. "A simple technique for creating animation." (1986, *March*) 39•
- Kolar, Joseph. "Sprucing up an old design." (1985, September) 136 • — Use of the DRAW command. Kwong, Hong. "Design your own calendar pin-up. (1986, MayJ63»
- Matthews, Becky F. "Nothing phone-y about it: Ma Bell trips the light fantastic." (1986, June) 18\* Graphics and sound entertainment.
- Page, Dennis. "CoCoflow: CoCocad expanded." (1986, March) 31 • -Aid for drawing flowcharts. Plaxton, John. "CoCo bakes a cake." (1985, July) 99» - A birthday cake using graphics.
- Ramella, Richard. "Pattern blocks: Reality play." (1986, *January*) 40» — Shape game. Roden, Brian P. "The electronic valentine-maker."
- (1986, February) 18\* Correction, April 1986, page 103.
- Santerre, Denis. "A lesson straight from the heart." (1985, OcfoberJ 163« — Graphics demo to learn part of the heart.
- Scerbo, Fred B. "The CoCo puzzle maker." (1985, October) 72\* — Jig saw puzzle on CoCo.
- Scerbo, Fred B. "Return of baseball fever." (1985, September) 104« — Baseball team logos.
- Scerbo, Fred B. "Rock'n'rolling back to the CoCo
- rockfest." (1985, *July*) 162» Graphics demo. Scerbo, Fred B. "The Wishing Well title maker." (1986, March) 157\* - Title cards for your programs.
- Thume, Wayne. "Color cartoons." (1985, October) 58\* — Graphics animation.

### HARDWARE PROJECT

- DiStefano, Tony. "The analog to digital converter, part 1."(1985, *October*) 42
- DiStefano, Tony. "The analog to digital converter, part 2: Putting the finishing touches on the analog-to-digital converter." (1985, *November*) 84 DiStefano, Tony. "Look, Ma, no switch." (1985, July) 36 — Normal and inverse video conversion.

- DiStefano, Tony. "Making CoCo shine with more LED's." (1985, September) 232 - Add LED's to RS232 line and move reset.
- Geoffroy, David; and Racine, Norman. "The permanent shift." (1985, August) 169 — Add a shiftlock key.
- Gernhardt, Henry C, Jr. "Rejuvenate father time with a chic quartz locked clock." (1986, June) 54 Kitsz, Dennis. "The letter box printer buffer part 1. (1985 October) 232
- Kitsz, Dennis. "The letter box printer buffer part 2." (1985, November) 248
- Weide, Dennis H. "Sleep tight: Your CoCo is awake tonight part 1." (1985, *December*) 58\* Use CoCo to watch your house.
  Weide, Dennis H. "Sleep tight: Your CoCo is awake
- tonight part 2." (1986, January) 58»

### HARDWARE TUTORIAL

- DiStefano, Tony. "A beginner's hardware course part 1." (1986, January) 131
- DiStefano, Tony. "A beginner's hardware course part 2." (1986, *February*) 154
- DiStefano, Tony. "An introduction to timing," (1986, March) 62
- DiStefano, Tony. "Investigating the CPU." (1986,
- DiStefano, Tony. "The makings of memory and how it works." (1986, April) 104

### HOME APPLICATION

- Ball, Howard Lee. "Contest check list." (1985, September) 180\* — Program to keep scores in aeon-
- Carson, Edward R. "The joys of early amortization." (1986, March) 163\* — Mortgage calculator.
- Crouser, Tommy. "The lure of computerized bait selection." (1986, *April*) 130\* — Use the computer to select proper fishing lure."
- Dean. James R. "Bulletin board standouts are easy with message maker." (1986, May) 36\* — Use CGP-115 printer to make notices.
- Hanusiak, Alan. "CoCo's quick station log." (1985, November) 44. - Log sheet for ham radio.
- Hartley, Eric. "Little black book." (1985, November) 172\* — Phone book program.
- Hyre, Leonard. "Hire the CoCo handiman." (1986, April) 162\* — Calculate expenses of home repairs."
- Jones, Larry E. "The plants are always greener on the CoCo side." (1986, April) 124 — Aid in taking care of house plants.
- McNally, Irvin L. "Coax." (1985, November) 180» -For Ham radio operator-determine power line losses
- Snider, Stephen. "CoCo takes the plunge: Pool maintenance made easy." (1986, June) 145\*
- Sullins, Mark S. "Livin'on CoCo time." (1986, January) 173\* — Electronic calendar program.
- Talada, William. "The 15 minute Color Computer workout." (1986, March) 26" — Exercise program.
- Weide, Dennis H. "The computerized shopping list." (1986, April) 216» — Correction, June 1986, p. 220.
- White, Richard A. "A mailing label printer for the spreadsheet." (1985, November) 245» - Correction, April 1986, page 103. Wood, James W. "Baseball card file." (1986, *May*)

### HOME FINANCE

- Anderson, Dennis. "A little electrical cost calculator." (1986, April) 102\*
- Dufur, Glen. "Juggle bills, juggle bills, juggle all the way!" (1986, *March*) 76\* Home budget analysis.
- Hallstrom, Harry W. "Assessing the market value of your home." (1986, April) 79»
- Ronald, Bruce W. "Loop until done." (1986, April) 70\* — Retirement plan calculator.
  Turowski, Donald A. "Waste not, want not with a
- refund-a-file." (1986, April) 95•
- White, Richard A. "Spreadsheeting real data." (1985, August) 80 Use a spreadsheet to calculate car expenses.

Whittlesey, Jerry R. "The computer-aided college expense fund." (1986, *April*) 92»

### MUSIC

- Bernico, Bill. "An adventure into sound experimentation." (1985, October) 124\* - Demo of CoCo's sounds.
- Bernico, Bill. "Color my CoCo." (1986, January) 55» -Program to demonstrate music and graphics
- Bernico, Bill. "Further adventure into SOUND experimentation." (1986, *February*) 164\* Bernico, Bill. "Nouveau rock 'n' roll." (1986, *April*) 100\*
- Dress up the SOUND and PLAY commands. Golias, Ruth E. "Saturday at the Bijou-remembering
- intermission sing-alongs." (1986, June) 36« Music entertainment.
- Huffman, Gary. "Happy birthday balloons." (1986, *April*) 122\* Music and graphics for your birthdav.
- Kolar, Joseph. "The beginning musician's 'tin ear lament.'" (1986, February) 142\* — Discussion of PLAY command.
- Ludlum, Bob. "Music+; New commands, no bugs." (1986, June) 51 • — Additions to program of June 1984, page 74.
- Matthews, Becky; and Matthews, David. "I want my CoCo TV." (1986, June) 42» — Music video entertain-
- ment. McNeice, Barry. "The music maker's accompanist." (1986, June) 20« - Draw blank sheet music on printer.
- Rutter, Marge. "CoCo daresyou to name thattune." (1986, June) 66\* — Game with music.
- Tandberg, Dan. "CoCo instant music." (1986, June)
- 62» Aid in using PLAY command.
  Tauilli, T. C. "4th of July Musicfest." (1985, July) 19\*
- Urbas, Joseph M. "CoCo bells." (1985, December) 36\* — Some Christmas music. Correction, April 1986, page 103.

### **OPERATING SYSTEMS — OS-9**

- Dollberg, Donald D. "Creating OS-9 system disks."
- (1986, *February*) 224 Harris, Timothy A. "Mail09." (1985, *July*) 266 -Listings omitted from previous issue. See also November 1985, page 184.
- Lantz, Brian A. "The utility room." (1985, November)
- Lantz, Brian A. "The utility room." (1985, December) 258 - Adding more features to the LIST command.
- Lantz, Brian A. "The utility room." (1986, March)216 Puckett, Dale L. "Cliffhangers in the micro soaps." (1985, ,4ugusf)236
- Puckett, Dale L. "Confessions of an enlightened spreadsheet user." (1985, *November*) 218
  Puckett, Dale L. "The Disk BASIC/OS-9 connec-
- tion." (1986, June)208 •
- Puckett, Dale L. "Featuring a new text formatter." (1986, May) 235 Puckett, Dale L. "Featuring a trig library in C." (1986,
- April) 238 Puckett, Dale L. "Four easy assembly language
- experiments." (1986, January) 236 Puckett, Dale L. "Granting requests for sample
- device drivers and descriptors." (1986, February)
- Puckett, Dale L. "OS-9 gets good reception as NCC."(1985, October) 242
- Puckett, Dale L. "A short tutorial on C compilation." (1985, July) 252
- Puckett, Dale L. "A time for reflection." (1985, December) 272 — Correction, February 1986, page 168. Warner, Bruce. "Getting started with the OS-9 operating system." (1986, January) 134
- White, Richard A. "Firing up BASIC09." (1986, March) 226
- White, Richard A. "Getting started with BASIC09." (1986, February) 231

### **PASCAL**

Puckett, Dale L. "A getting-your-feet-wet course in OS-9 Pascal." (1985, September) 238

Weide, Dennis H. "Changing printer parameters in Pascal." (1986, May) 222

### **PRINTER**

Baldridge. Charles. "Versatile label maker eliminates messy hen scratches." (1986, May) 108\* FitzSimmons, David S. "Printer designs." (1986, May) 95 • — Some samples of printer use.

Ligocki, Ray. "Give your thoughts to the world: The old-time banner printer." (1986, May) 150\*

Short, Gene. "Plain Jane print needs an appointment with the stylist." (1986, May) 88\* — Printer setup for Epson printer.

Sullins, Mark. "Picprt: Good things come in ail sizes. "(1986, *May*)12\* — Graphics screen printer utility.

West, John. "Outfox those narrow printers with Rotate." (1986, May) 120\*

### **QUESTIONS AND ANSWERS**

Downard, Dan. "Downloads." (1985, *July*) 250 Downard, Dan. "Downloads." (1985, *August*) 234 Downard, Dan. "Downloads." (1985, *September*) 236

Downard, Dan. "Downloads." (1985, *October*) 230 Downard, Dan. "Downloads." (1985, November) 216 Downard, Dan. "Downloads." (1985, *December*)256 Downard, Dan. "Downloads." (1986, *January*) 232 Correction, February 1986, p. 168.

Downard, Dan. "Downloads." (1986, February) 222 Downard, Dan. "Downloads." (1986, March) 214

Downard, Dan. "Downloads." (1986, *April)* 2:4 Downard, Dan. "Downloads." (1986, *May*) 216 Downard, Dan. "Downloads." (1986, *June*) 194

Ellers, Ed. "Earth to Ed." (1985, *July*) 118 Ellers, Ed. "Earth to Ed." (1985, *August*) 92 Ellers, Ed. "Earth to Ed." (1985, *September*) 154

Ellers, Ed. "Earth to Ed." (1985, *October*) 154 Ellers, Ed. "Earth to Ed." (1985, *November*) 158 Ellers, Ed. "Earth to Ed." (1986, *January*) 102 Ellers, Ed. "Earth to Ed." (1986, *March*) 116

### SOUND SYNTHESIS

Barden, William, Jr. "Listening to your CoCo with Assembly language." (1986, March) 237 Gunn, Stephen. "An encore presentation for the

analog to digital and back again." (1985, October)

Spiller, Martin; and Spiller, Jeremy. "CoCo synthesizer produces out-of-this-world sounds." (1986, June) . 122\*

### TUTORIAL

Betts, R. Bartly. "Uncomplicate programming tasks using your ROM routines." (1985. October) 29\* DiStefano, Tony. "Exploring memory cells." (1986, May) 100

DiStefano, Tony. "What is a VDG, anyway.?" (1985, December) 251 - List of acronyms and definitions

Haberer, Fredric M. "Renum with a twist." (1986, February)112

Kolar, Joseph. "A diversion a day keeps programming fey." (1985, November) 74\* - Some programming hints.

Kolar, Joseph. "Enhance presentations with text panel formatting." (1986. June) 140\*

Kolar, Joseph. "Maximum learning with minimum effort." (1985, December) 100\* - Hints for newcomers.

Kolar, Joseph. "Practicing the two-column format." (1986, April) 142\* - Hints for beginners.

Mir, Jorge. "Memory on a string\$ budget." (1985, August) 166

Mitchell, William. "Bleeps, bloops, bells and whistles." (1986, *June*) 108• — Make different sounds. "Primary pointers." (1986, *January*) 42• —Useful programs for the beginner.

Williams, John G. "The joystick fix-it." (1985, August) 226 - Software to make joysticks less sensitive

### UTILITY

Ambros, Marty. "A timekeeper for all occasions." (1986, February,) 55 • - Clock utility.

Bernico, Bill. "Presenting the star of the showscreen alternatives." (1986, January) 176»

Bernico, Bill. "Screen pokes made easy." (1985, November) 162\* — Correction, December, 1985, page 208.

Bobbitt, Craig V. "What's the diagnosis?" (1986. February) 67 • — Memory diagnostic program.

Gal us, John. "Quick restore." (1986, February) 108\* — Speed up BASIC search process.

Nickel, Harold. "Auto-executing your tape programs." (1986, February) 41 • Poynter, Chuck. "Marquee." (1986, March) 101 • -

Attractive title and menu screens. Ruggles, James J. "64K custom setup." (1986, May)

Schechter, Gerry. "Enhancing the CLS command."

(1986, February) 160\*
Schultz, Hans. "VARLIST: A quick and easy way to list program variables." (1986, March) 92 •
Van Dusen, Douglas. "Cross reference your programs with XREF." (1986, February) 169\* — Correction, April 1986, page 103.

Wong, Norman. "The eye saver." (1985, July) 124» Inverse video with software. Correction, October 1985, page 228.

### PERSONAL AUTHORS

Aftamonow, Ellen; and Aftamonow, George. "Rudolph, the red nosed reindeer." (1985, December) 18» Graphics demo for Christmas.

Albrecht, Bob; and Zamora, Ramon. "The Dragon-Town library." (1985, October) 98 - Review of books for teaching children and some elementary sound programs.

Albrecht, Bob; and Zamora, Ramon. "Help wandering star in the right direction." (1985, July) 79»

Albrecht, Bob; and Zambra, Ramon. "It's been a great two years." (1985, December) 56 — Hints for parents of young children.

Albrecht, Bob; and Zamora, Ramon. "Making your own mandala - guaranteed not to melt!" (1985, September) 142» — Programs for children.

Albrecht, Bob; and Zamora, Ramon. "Play and learn together-wondermentis contagious." (1985, August) 136\* — Short demos for children.

Ambros, Marty. "A timekeeper for all occasions." (1986, February) 55 • — Clock utility.

Anderson, Dennis. "A little electrical cost calculator." (1986, April) 102» .uasburg, Cray. "Databaseditties."(1986, June)97

Augsburg, Cray. Delphi news.

Augsburg, Cray. "Presenting the 'Delphi Advantage." (1986, *April*) 116
Augsburg, Cray. "Setting the stage for spring cleaning."

(1986, May) 92 — Delphi news.

Baldridge, Charles. "Versatile label maker eliminates messy hen scratches." (1986, May) 108 • Ball, Howard Lee. "Contest check list." (1985, Sep-

tember) 180\* - Program to keep scores in a con-

Barden, William, Jr. "Pi to 10,000 digits." (1986, April)

Barden, William, Jr. "Disassembling the secrets of

ROM." (1986, May) 227
Barden, William, Jr. "Joysticks, touch pads and digitizing the world." (1986, *January*) 224\*

Barden, William, Jr. "Listening to your CoCo with

Assembly language." (1986, *March*) 237 Barden, William, Jr. "The meaning of life." June) 196\* — Description of game called "Life." Barden, William, Jr. "The straight, hard facts about

Assembly Language." (1986, February) 119

Bell, Bruce K. "The CoCo zone." (1986, April) 26 • -Grand prize in ad venture contest. Further instructions, June 1986, p.220.

Bernico, Bill "The Zoom-bloom plant." (1986, January) 129\* - Graphics demo.

Bernico, Bill. "An adventure into sound experimentation." (1985, October) 124\* - Demo of CoCo's sounds

Bernico, Bill. "CoCo, phone home." (1985, August) 124

Bernico, Bill. "Color my CoCo." (1986, January) 55» — Program to demonstrate music and grapft-ics. Bernico, Bill. "Elevator." (1985, October) 25 • -

Learning aid for pre-schoolers.

Bernico, Bill. "Financing: The economic advantage." (1986, March) 71 • — Calculate installment loans.

Bernico, Bill. "Further adventure into SOUND experimentation." (1986, February) 164

Bernico, Bill. "Important message." (1985, October) 176 — Mystery message

Bernico, Bill. "Keeping the communication lines open." (1985, September) 39\* - Teaches sign language.

Bernico, Bill. "Nouveau rock 'n' roll." (1986, April) 100\* Dress up the SOUND and PLAY commands.

Bernico, Bill. "A peace treaty for computer hackers and couch potatoes." (1986, March) 49» - Graphics demo. Correction, June 1986, p. 220.

Bernico, Bill. "Presenting the star of the showscreen alternatives." (1986, January) 176»

Bernico, Bill. "Screen pokes made easy." (1985, November) 162\* - Correction, December, 1985,

Betts, R. Bartly. "Bit banging with Boole." (1985, September) 172 — Discussion of Boolean algebra.

Betts, R. Bartly. "Flashing in 6809." (1985, July)84•
Betts, R. Bartly. "Interfacing machine language with BASIC." (1985, August) 96\*

Betts, R. Bartly. "The long and winding road to assembly graphics." (1985, November) 90

Betts, R. Bartly. "Uncomplicate programming tasks using your ROM routines." (1985, *October*) 29\*
Billen, David. "Zonx." (1985, *October*) 65• —Action game.

Blyn, Steve. "Building language arts skills." (1986, March) 152'

Blyn, Steve. "The daily schedule pictograph: A time for every purpose." (1985, September) 44 • - Pictog raph to show child's daily schedule.

Blyn, Steve. "Gaining insight into your child's self image." (1986, February) 134\*

Blyn, Steve. "Learning the art of written expression with proper punctuation." (1985, October) 45\* Review of punctuation marks.

Blyn, Steve. "Locating points on a graph." (1986, *April*) 136\*

Blyn, Steve. "Preparing for the right career choice." (1986, January) 108\* Blyn, Steve. "The rainy day account." (1985,

August) 148\* — Demo bank account for children. Blyn, Steve. "Take this message, please!" (1985, July) 42 •

Blyn, Steve. "Teaching children time concepts." (1986, May) 138\*
Blyn, Steve. "Teaching language idioms." (1986,

June)84•

Blyn, Steve. "Working with the electronic book part 1."(1985, November,) 30 • — Program to use Radio Shack's Electronic Learning Book.

Blyn, Steve. "Working with the electronic book part (1985, December) 30\*

Bobbitt, Craig V. "What's the diagnosis?" (1986, February) 67• — Memory diagnostic program.

Borger, J. E., III. "CoCo unfurls Old Glory." (1985, *July*) 11,3\* — The flag using graphics.

Bradbury, Nick. "Destination: Moon base Amphibia." (1985, August) 106\* - Major correction, September 1985, page 129. — Additional correction, April 1986, page 103.

Britton, Steve, IV. "Operation freedom." (7985, - Correction, October 1985, page August) 54\*

Brockschmidt, Kraig. "Brain games." (1985, December) 190\* — A collection of 5 games.

Carlisle, Allen B. "Invasion of the flying saucer people." (1986, March) 108\*

Carmichael, Craig. "The secret to loading those double speed tapes." (1986, February) 76

Carson, Edward R. "Thejoys of early amortization." (1986, *March*) 163\* — Mortgage calculator.

Chouinard, Daniel. "The phone file trader." (1985, November) 36\* - Communications program to trade files over the phone.

- Clark, Stephen P. "Julie The Mouse.'" (1986, April) 157\* — A database program.
- Compton, David. "Set your sails, keep a weather eye out for storms and beware of the Jolly Roger." (1986, March) 18» — Adventure game for young child.
- Crouser, Tommy. "The lure of computerized bait selection." (1986, April) 130\* — Use the computer to select proper fishing lure."
- Curl, John R. "Here by popular demand: New Delphi announcements." (1986, March) 210 Curl, John R. "The latest on our newest dimension:
- The CoCo SIG." (1986, January) 183 News on the Delphi Information Service.
- Curl, John R. "Some notes on downloading." (1986, February) 88 — Delphi hints.
- Dater, Andrew. "An easy way to run your programs." (1986, February)36\* — Disk menu utility.
- Dawson, David. "Sir Eggbert jumper leaps to the rescue." (1985, August) 129»
- Day, R. Wayne. "Harvesting summer's bumper crop of BBS's." (1985, November) 61
  Day, R. Wayne. "Music and a terminal program,
- too?" (1985, September) 88\* Discussion of
- "Orchestra-90." Day, R.Wayne. "A question and answer repertoire." (1985, July) 90\* - Questions and answers on communications, BBS, etc.
- Dean, James R. "Bulletin board standouts are easy with message maker." (1986, May) 36\* Use CGP-115 printer to make notices.
- Dean, Mike. "Defeatdebugs." (1986, February) 38. Help in hand assembly problems.
- Delbourgo, Bob; Delbourgo, Daniel; and Delbourgo, Tino. "Around the world in 18 frames." (1985, August) 73\* — Graphics demo of globe. Correction, February 1986, p. 168.
- Delbourgo, Bob; and Delbourgo, Daniel. "Random mosaics." (1985, August) 40\* — Lo-res graphics
- Di Zazzo, Ernie. "Oh, long may they wave: A salute to the flags." (1986, May) 42\* Flags of different countries.
- DiStefano, Tony. "The analog to digital converter, part 1."(1985, *October*) 42
- DiStefano, Tony. "The analog to digital converter, part 2: Putting the finishing touches on the analog-to-digital converter." (1985, November)84 DiStefano, Tony. "A beginner's hardware course part 1." (1986, *January*) 131
- DiStefano, Tony. "A beginner's hardware course part 2." (1986, February) 154
- DiStefano, Tony. "Exploring memory cells." (1986,
- May) 100 DiStefano, Tony. "An introduction to timing." (1986,
- March) 62 DiStefano, Tony. "Investigating the CPU." (1986, June) 101
- DiStefano, Tony. "Look, Ma, no switch." (1985, July) 36 — Normal and inverse video conversion.
- DiStefano, Tony. "Making CoCo shine with more LED's." (1985, September) 232 — Add LED's to RS232 line and move reset.
- DiStefano, Tony. "The makings of memory and how it works." (1986, *April*) 104
  DiStefano, Tony. "Switching double-sided disks."
- (1985, August) 162 DiStefano, Tony. "What is a VDG, anyway.?" (1985,
- December) 251 List of acronyms and defini-
- Dold, Charles W. "Dynamic computer graphics." (1985, September) 70\* — How to draw 3-D pictures.
- Dollberg, Donald D. "Creating OS-9 system disks." (1986, February) 224
- Downard, Dan. "Downloads." (1985, July) 250 Downard, Dan. "Downloads." (1985, August) 234 Downard, Dan. "Downloads." (1985, September)
- Downard, Dan. "Downloads." (1985, *October*) 230 Downard, Dan. "Downloads." (1985, *November*)216 Downard, Dan. "Downloads." (1985, *December*)256 Downard, Dan. "Downloads." (1986, *January*) 232
- Correction, February 1986, p. 168.
  Downard, Dan. "Downloads." (1986, *February*) 222
  Downard, Dan. "Downloads." (1986, *March*) 214
  Downard, Dan. "Downloads." (1986, *April*) 224
- Downard, Dan. "Downloads." (1986, *May*) 216

- Downard, Dan. "Downloads." (1986, June) 194 Dufur, Glen. "Juggle bills, juggle bills, juggle all the way!" (1986, *March*) 76\* — Home budget analysis.
- Duncan, Richard. "CoBBS: a look at the commands. (1985, December) 153» - Part 2 of a BBS program.
- Duncan, Richard. "CoBBS: An introduction to the system and its special features." (1985, November) 135» - Complete BBS program.
- Duncan, Richard. "CoBBS: How to modify the program to use the CoCo serial port." (1986, February) 100\*
- Duncan, Richard. "CoBBS: Setting up various files to make the system operate." (1986, January)
- Dwight, Jeffry. "Zapping with confidence." (1985,
- December) 118 — A disk utility. Eichstaedt, Pete. "Gathering up scattered programs." (1986, February) 94.
- Ellers, Ed. "Earth to Ed." (1985. July) 118 Ellers, Ed. "Earth to Ed." (1985. August) 92

- Ellers, Ed. "Earth to Ed." (1985, August) 92
  Ellers, Ed. "Earth to Ed." (1985, September) 154
  Ellers, Ed. "Earth to Ed." (1985, October) 154
  Ellers, Ed. "Earth to Ed." (1985, November) 158
  Ellers, Ed. "Earth to Ed." (1986, January) 102
  Ellers, Ed. "Earth to Ed." (1986, March) 116
  Eirodrake, George and Albereth Karl "Envit
- Firedrake, George; and Albrecht, Karl. "Fantasy fare." (1985, July) 137 — General information on fantasy games.
- Firedrake, George; and Albrecht, Karl. "For the game-master, just the end of a beginning." (1985, *August*) 154 — The last Gamemaster's apprentice column.
- FitzSimmons, David S. "Printer designs." (1986,
- May,) 95\* Some samples of printer use. Foster, Leslie A. "The fourth year of Rainbow." (1985, *July*) 229 — Index from July 1984 to June 1985 and Rainbow on tape from April 1982 to June 1985.
- Franks, Bill. "A quandary of puzzles." (1986, January) 25 • — Like a jig-saw puzzle.
- Fransen, Aaron. "The quest for the falcons' lair." (1985, August) 26\*
- Frerking, Anthony. "The Commandos want you!" (1986, February) 180\*
- Gal us, John. "Quick restore." (1986, February) 108« - Speed up BASIC search process.
- Geoffroy, David; and Racine, Norman. "The permanent shift." (1985, *August*) 169 — Add a shiftlock key. Gernhardt, Henry C, Jr. "Rejuvenate father time
- with a chic quartz locked clock." (1986, June) 54 Glaberson, Aryeh, "The eight lights of Chanukah." (1985, December) 196\*
- Golias, Ruth E. "Home sweet home." (1986, May) 20\* - Graphics demo.
- Golias, Ruth E. "Saturday at the Bijou-remembering intermission sing-alongs." (1986, June) 36» Music entertainment.
- Goodman, Martin H. "A disk tinkerer's device."
- (1986, *March*) 84\* Disk utility. Goodman, Martin H. "The great transformation." (1986, June) 182• — Conversions from MS-DOS
- Goodman, Marty. "Now you see it, now you don't!" (1986, June) 90 - How to determine EPROM erasure times.
- Goodson, Joey. "A-maze-ing maneuvering with jetpack challenge." (1985, July) 106« Green, Robert L. "As far as the eye can see." (1985,
- August) 230\* Do it yourself eye examination.
- Gunn, Stephen. "An encore presentation for the analog to digital and back again." (1985, OcfoberJ 87 •
- Haberer, Fredric M. "Renum with a twist." (1986, February) 112
- Halfman, Scott. "Who will survive?" (1986, June)
- Hall, Mike. "Christmas pageantry." (1985, December)
- 212\* Graphics for Christmas. Hallstrom, Harry W. "Assessing the market value of
- your home." (1986, April) 79\* Hanusiak, Alan. "CoCo's quick station log." (1985,
- November) 44\* Log sheet for ham radio. Harris, Timothy A. "Mail09." (1985, July) 266 Listings omitted from previous issue. See also November 1985, page 184.

- Hartley, Eric. "Little black book." (1985. November) 172 - Phone book program.
- Heyza, Doug. "Say 'hello' to this directory helper." (1985, August) 69\* Correction, October 1985, page 228.
- Hill, Eddie. An annual expense tracking and management system." (1986, March) 122\* - Correction, May 1986, p. 127.
- Huffman, Gary. "Happy birthday balloons." (1986, April) 122\* — Music and graphics for your birth-
- Hyre, Leonard. "Become a math whiz!" (1985, September) 18\* — Math quiz.
- Hyre, Leonard. "Hire the CoCo handiman." (1986, April) 162\* — Calculate expenses of home
- Jones, Larry E. "The plants are always greener on the CoCo side." (1986, April) 124 • -Aid in taking care of house plants.
- Jones, Tim. "If your 'horse' comes in first, you lose!" (1985, November) 129\* - Recreation of basketball game called horse. Correction, January 1986,
- Jones, Timmy. "Take the plunge with CoCo." (1985, September) 163• — 10 meter platform diving.
- Kapfhammer, Jutta; and Helm, Philip. "Our twenty carat gold winners." (1986, April) 20 Results of third Rainbow adventure contest
- Kent, Jim. "Guppiegraphics." (1985, October) 106\* Assembly language graphics
   Kerckhoff, Peter. "CoCoCad modification." (1986,
- February) 103\* Mod for DMP-120 printer.
- Kerckhoff, Peter. "CoCoCad: The schematic scoundrel." 1985, October) 130\* - Computer aided design for CoCo. Additional listing, February 1986, p. 103.
- Kilby, Mike. "Firestorm." (1986, January) 122\*
- Kitsz, Dennis. "The letter box printer buffer part 1." (1985, October) 232
- Kitsz, Dennis. "The letter box printer buffer part 2." (1985, November) 248
- Knolhoff, Mike. "A caterpillar's alphabet." (1985, August) 83\*
- Kohn, Joseph. "Pix files." (1986, February) 26« -Transfer picture files CoCo Max, Graphicom.etc.
- Kolar, Joseph. "The beginning musician's 'tin ear lament.'" (1986, February) 142\* — Discussion of PLAY command.
- Kolar, Joseph. "Creative programming for the beginner." (1986, January)30\* - Make multiplechoice quiz.
- Kolar, Joseph. "A diversion a day keeps programming fey." (1985, November) 74\* - Some programming hints.
- Kolar, Joseph. "Enhance presentations with text panel formatting." (1986, June) 140\*

  Kolar, Joseph. "A final session with the 'A' option."
- (1985, October) 83\* More on the DRAW statement
- Kolar, Joseph. "The Goolian Olympics of trig functions." (1985, July) 148\* — Game using trigonometry.
- Kolar, Joseph. "Mastering the DRAW statement." (1985, August) W2» Kolar, Joseph. "Maximum learning with minimum
- effort." (1985, December) 100\* Hints for newcomers
- Kolar, Joseph. "Practicing the two-column format." (1986, April) 142\* — Hints for beginners.
- Kolar, Joseph. "PSET sail in the FOR/NEXT sea." (1986, May) 174\*
- Kolar, Joseph. "A simple technique for creating animation." (1986, March) 39\*
- Kolar, Joseph. "Sprucing up an old design." (1985, September) 136\* — Use of the DRAW command.
- Krom, Matt, "As visions of the Pro-Am danced in their heads." (1986. May) 50» — Golf game. Kwong, Hong. "Design your own calendar pin-up."
- (1986, May) 63\* LaBelle, Russ F. "Oh! Canada." (1985, September)
- 124\* Geography of Canada.
- Lamonica, Mary; and Lamonica, James. "CoCo math class." (1986, January) 88«
- Landwehr, Larry. "CoCo conversation." (1985, November) 124 How to hook up two CoCo's together.

- Lantz, Brian A. "The utility room." (1985, November)
- Lantz, Brian A. "The utility room." (1985, December) 258 — Adding more features to the LIST comand. Lantz, Brian A. "The utility room." (1986, *March*) 216
- Ligocki, Ray. "Give your thoughts to the world: The
- old-time banner printer." (1986, May) 150\* Ligon, Elizabeth. "CoCo-etry." (1985, September) 130\* — Program to write poetry.
- Ludlum, Bob. "Music+: New commands, no bugs." (1986, June) 51 • — Additions to program of June 1984, page 74.
- Matthews, Becky F. "Nothing phone-y about it: Ma Bell trips the light fantastic." (1986, June) 18\* Graphics and sound entertainment.
- Matthews, Becky; and Matthews, David. "I want my CoCo TV." (1986, June) 42\* - Music video entertainment.
- Mauro, Robert. "Bookmark: Your very own computerized Dewey decimal system." (1985, September) 227'• — Provides index to a library.

  McNally, Irvin L. "Coax." (1985, November) 180\* -
- For Ham radio operator-determine power line losses
- McNeice, Barry. "The music maker's accompanist." (1986, June) 20\* - Draw blank sheet music on
- Mir, Jorge. "Memory on a string\$ budget." (1985, August) 166
- Mitchell, William. "Bleeps, bloops, bells and whistles." (1986, June) 108\* — Make different sounds.
- Moore, W. J. "Robocise." (1986, February) 116\* -Exercise companion.
- Nation, Brad. "Which way did that mangy mongrel go?" (1985, August) 228\*
- Nelson, Mark. "Get down and dirty in New York's sewers with super rooter." (1986, May) 26\*
- Nickel, Harold. "Auto-executing your tape programs." (1986, February) 41 •
- Osani, Keith. "Take word inventory with vocabulary." (1985, September) 80\* Simulate a dictionary.
- Page, Dennis. "CoCoflow: CoCocad expanded." (1986, Marc/?,)31 • — Aid fordrawing flowcharts.
- Peake, Jim. "Discover the 'hidden' five tracks." (1986, June) 92\*
- Pettus, Ronald. "Zeroing in on Halley's Comet." (1986, April) 83\* - Calculations to view the comet
- Pitel, Rick. "Trivia tic-tac-toe." (1985, December)
- 69» Correction, March 1986, p. 191. Plaxton, John. "CoCo bakes a cake." (1985, *July*) 99\* — A birthday cake using graphics.
- Plog, Michael. "Computers can play an important role in art education." (1985, October) 55
- Plog, Michael. "The demographics of education." (1986, April) 139
- Plog, Michael. "Developing effective computer literacy methods." (1985, July) 175 — Comments on computers in education.
- Plog, Michael. "Educating with electronic communications and research." (79S6, *March*) 154 Thoughts on Delphi.
- Plog, Michael. "Education Texas style." (1986, May)
- Plog, Michael. "How valuable is the 'hands-on' lesson?" (1985, September) 102 - Discussion of computers in schools.'
- Plog, Michael. "Integrating computers into class-room instruction." (1985, *August*) 150
- Plog, Michael. "The learning process: The importance of 'how to think.'" (1986, January) 117
- Plog, Michael. "Microcomputers: Not just a student learning tool." (1985, November) 102
- Plog, Michael. "Robots: Their place in education." (1986, June) 86
- Plog, Michael. "The schools get a report card." (1986, February) 138
  Plog, Michael. "Successful organizational factors
- for integrating computers in school." (1985, December) 45
- Poynter, Chuck. "Marquee." (1986, March) 101 -Attractive title and menu screens.
- Price, Rolla. "Acrostics go high tech with Word+. (1986, May) 38\* — Design your own crossword puzzles
- Puckett, Dale L. "Cliffhangers in the micro soaps." (1985, August) 236

- Puckett, Dale L. "Confessions of an enlightened spreadsheet user." (1985, November) 218
  Puckett, Dale L. "The Disk BASIC/OS-9 connec-
- tion." (1986, June) 208•
- Puckett, Dale L. "Featuring a new text formatter." (1986. May) 235
- Puckett, DaleL. "Featuring a trig library in C." (1986, April) 238
- Puckett, Dale L. "Four easy assembly language experiments." (1986, January) 236
  Puckett, Dale L. "A getting-your-feet-wet course in
- OS-9 Pascal." (1985, September) 238
- Puckett, Dale L. "Granting requests for sample device drivers and descriptors." (1986, February) 236
- Puckett, Dale L. "OS-9 gets good reception as NCC." (1985, October) 242
- Puckett, DaleL. "A short tutorial on C compilation." (1985, July) 252
- Puckett, Dale L. "A time for reflection." (1985, December) 272 — Correction, February 1986, p.
- Ramella, Richard. "The \$100 challenge." (1985, July) 180\* — Contest using a CoCo game.
- Ramella, Richard. "Bubble wars." (1986. February)
- Ramella, Richard. "No nines allowed." (1985, October) 36\* — Game on 8 by 8 grid.
- Ramella, Richard. "Number bumper." (1985, October) 180\* — Arcade game.
- Ramella, Richard. "Pattern blocks: Reality play." (1986, January) 40 • — Shape game.
  Rand, Penny L. "Learn those 'tricky words.'" (1985,
- September) 117\* Practice in vocabulary.
- Rice, Robert E. "Sidewinding skirmishes with video vipers." (1986, January) 99\*
- Riley, Thomas E. "The Maze of Moycullen." (1986, April) 58» — 16K winner of adventure contest.
- Roden, Brian P. "The electronic valentine-maker." (1986, February) 18\* — Correction, April 1986, page 103
- Ronald, Bruce W. "Loop until done." (1986, April) 70» — Retirement plan calculator.
- Ruggles, James J. "64K custom setup." (1986, May) 82 •
- Rutter, Marge. "CoCo dares you to name that tune." (1986. June) 66\* - Game with music.
- Rutter, Richard W. "Computer trapshooting." (1985, November) 18» — Simulates skeet shooting.
- Sabbatini, Mark. "Alpine slopes." (1985, December)
- Santerre, Denis. "A lesson straight from the heart." (1985, October) 163\* — Graphics demo to learn part of the heart. Saporta, Alan A. "Brotan the blue." (1985, August)
- 18\* Correction, October 1985, page 228.
- Scerbo, Fred B. "The CoCo puzzle maker." (1985, October) 72\* — Jig saw puzzle on CoCo.
- Scerbo, Fred B. "CoCo, can you spare a dime?" (1985, *August*) 142\* Uses graphics to count change.
- Scerbo, Fred B. "An educational adventure for the CoCo and the MC-10." (1986, January) 763
- Scerbo, Fred B. "Fun for the whole family with galloping gamblers." (1985, December) 86\*
- Scerbo, Fred B. "Learning the value of numbers." (1986, April) 118\*
- Scerbo, Fred B. "A measure of success." (1986, June) 117\* - Learn to read a ruler.
- Scerbo, Fred B. "Return of baseball fever." (1985, September) 104\* — Baseball team logos. Scerbo, Fred B. "Rock'n'rolling back to the CoCo
- rockfest." (1985, July) 162\* Graphics demo.
- Scerbo, Fred B. "A simulation of life skills." (1986, February) 148»
- Scerbo, Fred B. "Super mathsheet generator II." (1985, November) 79»
- Scerbo, Fred B. "Úsing your CoCo for educational plans."(1986, May) 131 • - Generateeducational objectives.
- Scerbo, Fred B. "The Wishing Well title maker." (1986, March) 157\* — Title cards for your pro-
- Schechter, Gerry. "Enhancing the CLS command." (1986, February)^®\*
- Schultz, Hans. "VARLIST: A quick and easy way to list program variables." (1986, March) 92»
- Shelton, Garry L. "Teacher's aid." (1985, September) 46. - Record keeping for teachers.

- Sheridan, Vincent H. "Soccer instructor." (1985, August) AT — Teach the basics of soccer.
- Sherman, Lynn C; and Baldassary, Walter. "CoCo testmaker." (1985, September) 30\* - Make multiple choice tests
- Short. Gene. "Plain Jane print needs an appointment with the stylist." (1986, May) 88\* — Printer
- setup for Epson printer.
  Snider, Stephen. "CoCo takes the plunge: Pool maintenance made easy." (1986, June) 145\*
  Spiller, Martin; and Spiller, Jeremy. "CoCo
- produces out-of-this-world sounds." (1986, June)
- Stearman, Colin J. "Getting on the right track." (1985, July) 26\* How to use 40 or 80 tracks and double sided. Correction, January 1986, p. 231.
- Sullins, Mark S. "Livin' on CoCo time." (1986, January) 173» — Electronic calendar program.
- Sullins, Mark. "Picprt: Good things come in all sizes." (1986, May) 72\* Graphics screen printer
- Suppe, Pasquale. "Handicappers enter the home stretch with Pace 1." (1986, May) 114\* - Aid for the race track fan.
- Sward, Steve. '"Gopher it' (or 'turnip' wet)." (1986, January) 18»
- Talada, William. "The 15 minute Color Computer workout." (1986, March) 26\* — Exercise program. Tandberg, Dan. "CoCo instant music." (1986, June) 62\* — Aid in using PLAY command.
- Tauilli, T. C. "4th of July Musicfest." (1985, July)
- Taulli, T. C. "Scan it and understand it with rapid reading." (1985. July) 129\* Correction,
- November 1985, page 184.

  Taylor, Scott M. "More power and protection for your BBS." (1985, *November*) 106\* — Modifications to "Remote" from November 1983.
- Teague, Dennis. "The word-hunt crossword puzzle." (1985, December) 110«
- Thume, Wayne. "Color cartoons." (1985, *October*) 58\* Graphics animation.
- Tottingham, Bill. "Receipt maker and file." (1986, *March*) 22\* Correction, May 1986, p. 127.
- Trapasso, Dave. "Doing the disk-o-step." (1986, April) 149\* — Disk alignment.
- Turowski, Donald A. "Waste not, want not with a refund-a-file." (1986, *April*) 95\*
  Tyson, Bob. "The great Rainbow simulation pack-
- age." (1985, *July*) 46\* Anniversary special-World War 11, stock car racing and simulation generator. Correction, November 1985, page 184.
- Urbas, Joseph M. "CoCo bells." (1985, December) 36\* - Some Christmas music. Correction, April 1986, page 103.
- Van Dusen, Douglas. "Cross reference your programs with XREF." (1986, February) 169\* - Correction, April 1986, page 103.
- Vasconi, Eugene. "How to be an educated stargazer in 12 easy lessons." (1985, September) 55\* Help with astronomy.
- Warner, Bruce. "Getting started with the OS-9 operating system." (1986, *January*) 134
- Weide, Dennis H. "Changing printer parameters in Pascal." (1986, May) 222\*
- Weide, Dennis H. "The computerized shopping list." (1986, *April*)216\* — Correction, June 1986, p.220
- Weide, Dennis H. "Machine code loder." (1985, July) 144\* — Use machine language without an editor/assembler.
- Weide, Dennis H. "Sleep tight: Your CoCo is awake tonight part 1." (1985, December) 58\* - Use CoCo to watch your house.
- Weide, Dennis H. "Sleep tight: Your CoCo is awake tonight part 2." (1986, *January*) 58•
- West, John. "Outfox those narrow printers with Rotate." (1986, May) 120\*
- Whaley, Clarence. "The rule of 78s." (1986, March) 36» — Determine installment loan payments.
- White, Richard A. "Building a spreadsheet with template repetition." (1985, September) 148 White, Richard A. "Direct comparison—exhibiting
- the power of spreadsheets." (1985, July) 154 Use a spreadsheet as an order form.
- White, Richard A. "An explanation and review of spreadsheet functions." (1985, *December*) 267 White, Richard A. "Firing up BASIC09." (1986, March) 226

White, Richard A, "Getting started with BASIC09." (1986, February) 231

White, Richard A. "Going over spreadsheet data look-up functions." (1986, January) 251
White, Richard A. "A mailing label printer for the spreadsheet." (1985, November) 245\* — Correc-

tion, April 1986. page 103. White, Richard A. "Spreadsheeting real data." (1985. August) 80 — Use a spreadsheet to calculate car expenses.

White, Richard A. "Using a spreadsheet as a file manager." (1985. *October*) 238

Whittlesey, Jerry R. "The computer-aided college expense fund." (1986, *April*) 92\*

Williams, John G. "The joystick fix-it." (1985. August) 226 - Software to make joysticks less sensitive.

Wilson, Terry. "Crash-proof it!" (1986. February) 31 • — Spare copy of disk directory.

Witham. Burt B., Jr. "Which award iswhich." (1985,

December) 179• — Ham radio record keeper.

Wolcott, Larry. "Kung Fu fighting." (1986, March)

Wong, Norman. "The eye saver." (1985. July) 124 •
— Inverse video with software. Correction. October 1985, page 228.
Wood, James W. "Baseball card file." (1986, *May*)

66 •

Wood, James W. "Rid the screen of the menace." (1985, September) 167 • — Board type game.

#### PRODUCT REVIEWS

"A/B-4 (disk drive system)." (1985, September) 214

"A/B-4 (disk drive system)." (1985, Septembe "ABC puzzle." (1986. January) 207
"ACDITS." (1985. August) 217
"Addline." (1985. July) 212
"Advanced utilities." (1986. June) 174
"Alcatraz." (1985. November) 212
"Algebra." (1985. June) 179
"Animator commercial." (1985, August) 212
"Animator junior." (1985, August) 207
"Backup zero." (1985, July) 200
"Baranssa." (7986. January) 190

"Bararossa." (79S6, January) 190

"Baseball statistics package." (1985, December)

"BASIC + ." (1986, January) 192

"Basketball statistics package." (1985. November)

"BASTXT." (1985, October) 205
"Battle for Tunis." (1985, September) 216

"Battle of the Bulge." (1985, August) 197

"Battle stations." (1986. January) 206

"The best screen dump utility for Epson-type printers." (1986, February; 216

"Biosphere." (1986, June) 167

"Blackboard's Island." (1986, February) 219

"Blackjack dealer and Feeler dealer." (1985, December) 245

"BMC monitor stand." (1986, March) 207

"Bob's magic graphic machine." (1985, July) 213
"Bomb scare." (1985, July) 204

"Briteface." (1985. November) 195 "Buzzworm." (1986. March) 188

'C-SEE version 2.0 (1985, November) 204

"CAIS—Checking account information system," (1986, April) 185

"Calculating parts per million." (1986, *March*) 195
"Cash prophet." (1985, *December*) 229
"Cassette tape tester." (1985, *August*) 211
"CBASIC." (1986. *February*) 198
"CC-100 interface breadboard package" (1985, November) 191 "CCZAP." (1986, *March)* 185

"CD editor" (1986, June) 159

"CGP-220 screen dump package." (1986, June) 173

"CGP-220 screen dump package." (1986, June) 173
"ChesSD." (1985, December) 228
"Christmas fantasia." (1985. December) 239
"CINC-PAC." (1985, August) 198 — Correction,
December 1985, page 208.
"City war." (1985. December) 246
"CMODEM." (1985, July) 196
"CoCo calendar." (1986, March) 209
"CoCo calligrapher." (1985, October) 215
"CoCo checkbook disk." (1985, October) 197
"The CoCo Chronicles (book)." (1986. February) 218 218

"CoCo cooler too." (1986, March) 188

200

"CoCo echo." (1985, October) 208 "CoCo EPBOM programmer." (1986, April) 213

"CoCo gardener." (1986, February) 204

"CoCo greeting card designer." (1986, April) 202 "CoCo incognito (book)." (1986, March) 208 "CoCo keyboard cover." (1986, March) 191

"CoCo keyboard software." (1986, April) 191

"CoCo knitter." (1986, *May*) 195 "CoCo life." (1985, *November*) 195

"CoCo Logo for the TRS-80 Color Computer." (1985, July) 202

"CoCo Max II." *(1986. April)* 189 "CoCo paint." *(1985, July)* 215

"CoCo solver and Program generator." (1986, February) 210

'CoCo talker." (1985, August) 218

"CoCo taiker. (1965, August) 216
"CoCo text util." (1986, May) 211
"CoCo windows." (1986, May) 199
"Color car action." (1986, January) 201
"Color Computer machine monitor." (7 985, October)

"Color disk manager." (1985, August) 210
"Color essential math." (1986, April) 203

"Color LISP." (1986, May) 195
"Color math." (1985, July) 219
"Color tape manager." (1985, July) 217
"Colorcom/E." (1985, November) 211

"Company commander." (1986, *January*) 191
"Complete electronic organizer." (1986, *April*) 204

"The Complete Rainbow Guide to OS-9." (1985,

December) 248

December) 248
"Conquering armies." (1986, April) 192
"Cookbook." (1985, September) 195
"Corporation plus." (1985, December) 238
"Cosmic paint." (1985, November) 193
"Count to 100." (1985, August) 221
"Crash." (1985, July) 221

"Crossover." (1986, February) 202
"Crystal." (1986, January) 205
"Cyrus world class chess." (1985, August) 195
"Dallas quest." (1985, September) 198

Data bank." (1985, August) 194
"Datarase."(1985, Ju7y,I218
"DeskMate." (1986, April) 198
"DeskMate." (1986, May) 219

"DeskMate." (1986, May) 219
"Disk management system." (1986, May) 212
"Disk pilot." (1985, December) 233
"Disk utility package." (1986, February) 214
"DISTO Super RAM disk." (1986, June) 160
"Don Pan." (1986, March) 199
"Doomsday at 2100." (1985, September) 213
"DOS switcher." (1986, February) 212
"Dudal." (1985, September) 215
"Dungeon quest." (1985, October) 197
"Dynacalc OS-9." (1985, November) 208
"EARS." (1985, October) 201
"EDOS 26 ROM." (1985, December) 235
"EMC circuit boards." (1986, February) 203
"Enhancer 6.0." (1986, May) 207
"Escape from Denna." (1986, February) 217
"EZ cassette encrypt and EZ disk encrypt." (1985, October) 199

October) 199

"EZ profiler." (1985, October) 200

"Fast food math." (1985, *Sctober)* 200
"Fast food math." (1985, *September)* 206
"Feuer and gasse." (1985, *July)* 204
"Fighter pilot." (1986, *February)* 200
"File 64." (1985, *August)* 214
"Flashcard review." (1985, *July)* 192
"The Font shop." (1986, *January)* 199
"Football statistics package." (1985, *October)* 204
"FORMAKER" (1986, *May)* 208

"FORMAKER." (1986, May) 208

"FORMAKER." (1986, May) 208
"Franchise!" (1985, September) 202
"French package." (1986, June) 168
"Full character set board." (1985, September) 205
"Fundgraf." (1985, November) 206
"Geography USA." (1986, March) 206
"Ghana banana." (1986, January) 207
"Gold runner," (1986, March) 196
"Goldkeys." (1985. December) 231
"Golf handicaps" (1985. August) 215

"Golf handicaps," (1985, August) 215

"Grafix-3."(1986, *April*) 196
"Graphic physics." (1985, *September*) 211
"Graphicom II." (1985, *November*) 209
"Guide to computer magazines." (1985, *October*)

"Guide to super software for the TRS-80 Color

Computer." (1985, *September*) 199 "Hall of the King." (1986, *June*) 173 "Handycode." (1985, *August*) 206

"Hardcopy." (1985, *October*) 218 "Health programs." (1986, *June*) 164

"Hewlett-Packard LaserJet printer." (1985, July)

"Hi-res+." (1986, *January*) 195

"House Doc." (1986, March) 202

"Insights into personal computers (book)." (1986, January) 197

"Introduction to computer math (book)." (1986, May) 204

"Island adventure." (1986, January) 192

"Junior typer." (1985, July) 206
"Kansas City BASIC." (1986, February) 192 "Klicker."(79S5, July) 203

"Knock out." (1986, April) 209

"Label maker." (1986, January) 196
"Label64." (1985, November) 212
"Latin translator." (1985, November) 198
"Ledger one." (1985, September) 207

"Library 2." (1985, *July*) 220
"Line editor." (1986, *June*) 165

"Lissajous art." (1985, *November*) 213
"Magazine index system." (1985, *December*) 224

"The magic box." (1985, August) 216
"Magic lessons." (1985, September) 211

"Marble maze." (1986, *March*) 197 "Marooned." (1986, *February*) 196

"Master scoreboard." (1985, *July*) 218
"Math mission." (1986, *June*) 158

"Mathfun." (1985, August) 200 "Medic." (1986, January) 209

"Medic." (1986, January) 209
"Memodata." (1985, July) 209
"Menu maker." (1986, April) 210
"Merge 'n mail." (1985, October) 192
"Metric mind." (1985, August) 196
"Micro illustrator." (1986, March) 203
"Microartist." (1985, December) 240
"Missile math." (1985, August) 213
"Money math," (1986, June) 172
"Moneyopoly." (1986, February) 207
"More Keys." (1985, September) 221
"MORSER." (1986, January) 204
"Multiple choice test." (1985, August) 202
"Naugus." (1985, November) 196

"Multiple choice test." (1985, August) 2
"Naugus." (1985, November) 196
"No-stat II." (1985, November) 214
"NumberJack." (1986, June) 176
"Nutriguide." (1985, October) 213
"Omniverse." (1986, March) 184
"One-on-one." (1986, May) 197
"Orchestra-90/CC." (1986, March) 189

"OS-9 hi-res screen dump." (1985, *December*) 234
"OS-9 solution." (1985, *September*) 197

"OS-9 solution." (1985, September) 197
"Panic button." (1986, April) 207
"Panic." (1986, January) 202
"PAYROL/BAS." (1986, May) 184
"Pegasus." (1986, May) 189
"PenPal." (1986, April) 184
"Perpetulife." (1986, April) 211
"Personal bookkeeping 2000." (1985, October) 195
"Personal finance system." (1985, August) 203
"Petstore" (1985, October) 202

"Petstore." (1985, *October*) 202 "PIXGEN." (1986, *February*) 208 "PLANEGEO and PGCALPRT." (1986, *April*) 190 "Practical programming in Pascal." (1985, August)

"Print master." (1985, October) 198 "Printed circuit expansion boards." (1986, January) 209

"Pro golf." (1986, May) 205

"Probaloto." (1985, *October*) 196 "Professor Pressnote's music machine." (1985, *Octo*ber) 221

"Protector." (1985, November) 202

"Puzzler." (1986, *March*) 190
"Que bit." (1985, *July*) 200
"Radiolog." (1986, *May*) 209
"Rescue on Alpha II." (1986, *May*) 198
"Robot BASIC." (1985, *July*) 208

"RS-232 switcher." (1986, *January*) 210 "RS232IO."(1985, *October*) 212

"S.O.S." (1986, May) 200
"Scepter of Ursea." (1985, December) 230
"School days." (1985, September) 221
"SCRDMP10." (1986, June) 178

"Screen inverter." (1985, September) 196
"SDOS." (1986, March) 200 "SemiGraphics support utility." (1986, June) 163

"Side wise OS9." (1986, *April*) 212 "Simon." *(1985, July)2'\0* "Soccer statistics package." (1985, November) 201 "Solar explorer." (1985, September) 204 "Sound generator." (1985, October) 205 "Space web." (1985, August) 201 "Speak up! 3.3." (1986, January) 197 "Spectrum font generator." (1985, December) 247 "Spine align cushion." (1985, September) 212 "Startrader." (1985, *July*)2^A "Stylo-Pak." (1986, *March*) 192 "Super controller." (1985, November) 205 "Supercosmos connection." (1985, December) 227 "Super directory catalog." (1986, *March*) 198 "Super duper utilities." (1986, *June*) 181 "Super LOGO." (1985, December) 241 "Super tutor." (1986, *June*) 166
"Super voice." (1985, *September*) 217
"Superdisk." (1986, *May*) 191
"Symphony 12." (1986, *April*) 188 "Taxan's personal TV tuner." (1985, July) 222 "Tele-addresser." (1986, January) 208 "Telepatch." (1985, *October*) 209
"Telewriter-64 character set editor." (1986, *June*) 177 "Testmaker." (1985, September) 192 "Thunder RAM." (1985, *September)* 209 "Thunder RAM." (1986. *May)* 206 "ThunderDupe 2." (1985, *December)* 234 "Time master." (1985, *December*) 243 "To preserve quandic." (1985, *July*) 223 "Track events." (1986, *February*) 200 "Trading post." (1986, *May*) 192 "Treasure of the Aztecs." (1986, April) 197 "Trigger 64." (1986, January) 201 "Trivia." (1985, October) 190 "Try-o-tax." (1986, April) 208 "TX word processor." (1986, March) 209 "The ultimate Color Computer reference guide and toolkit." (1985, September) 220 "Utility routines." (1985, November) 199
"Vegas game pak." (1986, June) 175 "VIDCODIT video digitizer." (1986, February) 197
"View-edit." (1985, August) 219 "Vincent Van CoCo." (1986, April) 195 "ViziDraw 1.0." (1985, September) 200 "VOX chess." (1985, *July*) 195
"War of the worlds." (1985, *November*) 197
"Warehouse mutants." (1985, *August*) 220 "Warp factor X." (1986, *February*) 195
"Wizard's math board." (1985, *December*) 244
"Wizard's tower." (1986, *June*) 177 "XMENU."(1986, May; 190
"XPNDR2." (1986, February) 213
"XSCREEN." (1986, June) 169
"Young writer's notepad." (1985, December) 236 "15 meg hard drive (Tandy)." (1986, May) 196

"26 hardware projects for the home computer (book)." (1986, *May*) 210 "500 pokes, peeks 'n execs." (1985, *August*) 199

"232 Remote Plus." (1985, September) 217

#### RAINBOW ON TAPE July 1985-June 1986

ADD SUB5 (1986, January) 90 -Math quiz ADDITION (1985, December) 30-Electronic Learning Book utility ALPHTIZR (1986, May) 97 -Sorting routine ALPSLOPE (1985, December) 206—Game AMPHIBIA (1985, August) 108—Action game ANALYZER (1986, March) 90—Disk utility ANIMATE (1985, October) 60-Color cartoons ANIMATIC (1985, July)--Animated graphics ML program (from June 1985) ANIMCALC (1985, July)-Animated graphics demo (from June 1985) ANTHEM (1985, July) 149 - Trigonometry game AWARDS (1985, December) 181—Ham radio utility BALL (1985, October) 21 —Graphics demo BANKACCT (1985, August) 148 —Demo 148 —Demo bank account for children BANNER (1986, May) 150-Printer banner maker

BASEBALL (1986, May) 68 -Baseball card file BASEBLL2(1985, September) 106-Baseball team logos BASSMATE (1986, April) 132—Select your fishing BASTRAIN (1985, September) 141 —DRAW demo BASTRAN1 (1985, November) 76 - Programming hints BASTRAN2 (1985, November) 76 - Programming BASTRAN3 (1985, November) 76 - Programming hints BATS (1986, March) 48 - Graphics demo BIRDS (1986, March) 42 - Graphics demo BIRTHDAY (1985, July) 100 — Birthday cake graphics BOOKMARK(1985, September) 228-Library index BOOT (1986, April) 30 -Boot for CoCo Zone adventure BRAINGME (1985, December) 191 -Collection of 5 games BROTAN (1985, August) 20 -Game BUBBLWAR (1986, *February*) 60 —Game BUCKLEUP(1985, *July*) 151 —Trigonometry game BYTECODR (1985, October) 31 —Tutorial on ROM BYTESCRN (1985, July) 88 -Assembly demo CADPRINT(1985, October) 148—Computer aided CADPRINT (1986, February) 103 - Update from Oct 1985. CALCLOCK (1986, January) 74 -Part of LCLA-LARM CALENDAR (1986, January) 43 — Display calendars CALENDAR (1986, May) 64 - Make a calendar CALLER (1985, August) 104 - Assembly demo CALTIME(1986, January) 173-Calendar genera-CASH (1986, March) 73 — Calculate installment loans CASTLE (1986, June) 28 —Adventure game CHALENGE (1985, July) 182 —\$100 challenge CHARLIE (1985, October) 19-Graphics demo CHICAGO (1986, *January*) 55 — Music and graphics CHNGQUIZ (1985, August) 145 - Elementary education game CLEANUP (1985, *August*) 90 —Short game CLOCK (1986, February) 56 —Clock utility CLOCKBAS (1986, February) 56 -Clock utility CNDCAPTL (1985, September) 128 —Canadian geography COAX (1985, November) 180—Ham radio utility COBBSSYS(1985, November) 138—BBS program COCOCAD(1985, October) 134— Computeraided design COCODRAW (1986, April) 31 —Part of CoCo Zone adventure COCOFLOW (1986, March) 32 -Aid for drawing flow charts COCOZONE (1986, April) 31 -Adventure game CODELODE (1985, July) 146 - Machine code COL-POEM (1985, September) 132 - Write poetry COLLEGE (1986, April) 93 - Calculate a college fund COMMANDO (1986, February) 182 —Game COMMHELP (1986, *January*) 112—Job description CONVERT (1986, *January*) 46—Measurement conversions CORE (1985, December) 108 —Newcomer's hints COTERM (1985, December) 175 —BBS system COUNTDWN (1986, January) 44-Pause feature in program CRASHPRF (1986, February) 32 - Disk utility CREXPFLE(1986, March) 129-Business expense management CRUN (1986, February) 45 -Auto execute tape programs DANCE (1985, October) 85 —GET and PUT demo DATA (1986, May) 121 —Part of ROTATE DBL SIDE (1985, July) 31 —Disk utility DEBUG (1986, February) 39 - Assembly language utility DEMO (1985, August) 96 - Assembly demo DEMO (1985, October) 60 -Color cartoons DEMO 1 (1985, July) 87 —Assembly demo DEMO 2 (1985, July) 87 —Assembly demo

DIGITIZE (1986, January) 229 — Touch pad demo DISKMENU (1986, February) 37 - Disk utility DISKSTEP (1986, April) 149 -Disk utility DOGHOUSÈ (1985. August) 229 —Action game DRIVER (1986, June) 204 -For FASTLIFE or SLOWLIFE DUMP1 (1986. May) 95 —Graphics screen dump DUMP2 (1986, May) 96 —Graphics screen dump EARTHTROT(1985, August) 74-Graphicsdemo EGGBERT (1985, August) 130 -Action game ELECBOOK(1985, November) 3) - Utility for Electronic Learning Book ELECTRIC (1986, April) 103 -Calculate electricty costs ELEVATOR (1985, October) 28 - Elementary education ENLARGE (1986, May) 76 - Part of PICPRT ENTRTAIN (1986, *June*) 52 — Data for MUSIC+ EXPTRAKR (1986, *March*) 131 — Business expense management EYESAVER (1985, *July*) 128 —Inverse video F(1985, *October*) 109—Assembly graphics FASTLIFE (1986, June) 201 —Game of "Life" FILESRCH (1986, February) 96 — Disk utility FINDWORD (1986, March) 153 — Education FIRESTRM (1986, *January*) 124 —Game FISH (1985, *October*) 118—Assembly graphics FLAGS (1986, May) 42 —Flags of 6 nations FLARGE(1985, October)--Bonus program FLASH (1985, July) 84 —Assembly demo FLCNLAIR (1985, August) 20-Game FLIGHT 1 (1986, March) 42 —Graphics demo FLIGHT 2 (1986, March) 44 —Graphics demo FREEDOM (1985, August) 56—Game GAMBLERS (1985. December) 87 —Gambling game GERMAN (1986, April) 144 — Programming demo GOPHERIT (1986, *January*) 20—Game GOSUBTUT (1986, *June*) 143—BASIC programming aid GRAPH (1986, *April*) 138 —Find points on a graph GRAPHIC1 (1985, *September*) 74 —3-D pictures GRAPHIC2 (1985, *September*) 75 —3-D pictures GRAPHIC3 (1985, September) 76 —3-D pictures HALELUJA (1986, June) 52 - Data for MUSIC+ HALLEY86 (1986, Apr//) 84— Halley's Comet finder HAM UTIL (1985, December)--Ham radio log sheet (from Nov. 1985). HAM UTIL (1985, December) — Ham radio log sheet (from Nov. 1985). HANDIMAN (1986, April) 163 -Calculate home HANDSIGN (1985, September) — Bonus sign language HANOI (1985, October) 21 —Graphics demo HARDCOP1 (1986, May) 97 - Graphics screen dump HARDCOP2 (1986, May) 98 —Graphics screen HEART (1985, October) 164 - Graphics to demo heart function HEART (1986, May) 176-Graphics demo HELLO (1985, August) 70 - Disk utility HELPDRAW(1985, October) 168-Part of HEART HOME (1986, May) 21 -Picture of a house HOMEBDGT (1986, March) 77 -Home financial HORSE (1985, *November*) 131 —Basketball game HOUSEVAL (1986, *April*) 80 —Determine house IDIOMS (1986, June) 84 —Elementary education INDY4K(1985, August) 90-Short game INDY4K(1985, August) 90—Short game INSTALL (1986, February) 54—For CRUN INTRFACE (1985, August) 102—Assembly demo INVERTER (1986, January) 46—Graphics demo IRAKEOGH (1986, April) 71—Retirement planner JETPACK (1985, July) 108—Action game JIGSAW (1985, December) 100—Newcomer's hints
JOYCOLOR (1986, January) 45 —Graphics demo
JSTKLINE (1986, January) 228 —Joystick demo
JSTKQUAD (1986, January) 229 —Joystick demo
JSTKTEST (1986, January) 228 —Joystick demo
JULIE (1986, April) 159 —Database program
KOLAROLA (1986, February) 147 —PLAY tutorial

DEMOPOKE f 1985, November) 164 - Screen poke

KROMICO (1985, *October*) 20—Graphics demo KUNG FU (1986, *March*) 67—Game

LABEL (1986, May) 108-Label maker LADDER (1985, July) 150 —Trigonometry game LBLKBOOK (1985, November) 174 —Phone book program LCLALARM (1986, January) 66 - Burglar alarm LETRMMRY (1985, August) 91 —Short game LETRSKIP (1985, August) 85 —Elementary education LIFESKL2 (1986, April) 120 -Life skills math drill LINE (1986, May) 176-Graphics demo LINEDRAW (1985, October) 18 - Graphics demo LISTING1 (1985, August) 177—DRAW demo LISTING2 (1985. August) 177—DRAW demo LISTING2 (1985, December) 108 -Newcomer's LOADER (1986, February) 102 -BBS utility LOTTOGEN (1986, January) 42 - Pick your num-LSBDATA 17986, May) 126 -Part of ROTATE MAILLABL (1985, November] 247 — Mailing labels MARQUEE (1986, *March*) 102 — Title and menu MATHGEN2 (1985, December) - Math problem generator (from Nov. 1985) MATHGEN2(1985, November) 80-Math problem MATHMINR (1986, January) 79 - Math quiz MAXCMP (1985, July) 93 -Graphics utility MAZEGAME (1985, August) 88 - Short game MCQU 12(7 986, January J 32-Multiple choice quiz generator MEMDIAG (1986, February) 67 - Diagnostic program MEMDUMP (1986. February) 41 -Auto execute tape programs MENORAH (1985, December) 196 - Chanukah graphics MESSAGE(1985. October) 176—Mystery message MESSAGE (1986, May) 37 -Bulletin board messages MESSAGES (1985, July) 45 -Message center MILELOG (1986, May) 96 - Printer demo MINIGOLF (1986, May) 52-Game ML GEN (1985, December) — Transfer files over phone (from Nov. 1985) ML GEN (1985, November) 37-Transfer files over phone MORTGAGE (1986, March) 164-Mortgage calculations MOSAiC (1985. August) 42-Lo-res graphics demo MOYCULEN (1986, *April*) 60 —Adventure game MS2COCO (1986, *June*) 185 —MSDOS to COCO transfer MUSFEST (1985, July) 20 -4th of July music MUSIC+ (1986, June) 51 -Updated synthesizer program MUSPAPER (1986. June) 24 -Make music sheet NEWTIME (1986. May) 139 —Teach children time NMBRBMPR (1985, October) 182 —Arcade game NMBRMATCH (1985, November) 31 -Utility for Electronic Learning Book NONINER (1985, *October*) 38 —Game NORMAL (1986, *May*) 79 —Part of PICPRT OASIS (1985, *July*) 80 —Elementary education OBJECTIV (1986. May) 135 —Generate educational objectives OCNVRT (1985, September) 95 - Terminal part of ORCHESTRA90 ONHOLD (1986. June) 18 -Sound and graphics demo ORATORY (1985, September) 182-Contest scorekeeper PACE 1 (1986, May) 117 —Race handicapper PAGETURN (1985, August) 76 —Graphics demo PARAJUMP(1985. July) 150—Trigonometry game PARALIFT (1985, July) 150—Irigonometry game PARALIFT (1985, July) 150—Trigonometry game PART1 (1986, May) 28—Game (Super-rooter) PART2 (1986, May) 31—Game (Super-rooter) PARTERNIS (1995, 1995) 1111-1200 PATTERNS (1985, July) 83 - Elementary education PFRMDIVE (1985, September) 164 —Diving game PHONE (1985, August) 128 —Home helper PIANOBAS (1986, *June*) 126—Sound synthesizer PIANOBIN (1986, *June*) 124—Sound synthesizer PIANOSRC (1986, *June*) 133 — Sound synthesizer PIBASIC (1986, *April*) 232 — Pi to 10,000 digits

PICGRAPH (1985, September) 45 -Show child's daily schedule PICPRT (1986, May) 73 —Graphics screen dump PICSTICK (1985, August) 88 - Short game PINEW (1986, *April*) 231 —PI to 10,000 digits PIXFILES(1986, February) 28-Transfer graphics files PLANTLOG (1986, April) 125 -Water plants on schedule PRINTMAT (1986, May) 98 —Print formatter PROMNADE (1985, July) — Animated graphics demo (from June 1985) PTRNBLKS (1986, January) 41 -Shape game PUNCQUIZ (1985, October) 46 —Review punctuation marks PUZLMAKR (1985, October) 73 —Jig saw puzzle PUZZLE (1985, *December*) 111 —Crossword puz-PUZZLER (1986, January) 28 — Jig-saw puzzle QUICKZAP (1985, *December*) 129 — Disk utility RADIALS(1985, *October*) 85—DRAW demo RADIO (1986, April) 100 —Music and graphics RAINSIGN (1985, September) 40-Teach sign language RAPDREAD (1985, July) 130 -Reading exercise RCIRCSIN (1985, October) 21 -Graphics demo RCKFEST2 (1985, July) 166 —Graphics demo RECEIPT (1986, March) 24 -Business aid REDGREEN (1985, September) 168 -Board type game REDUCE (1986, May) 75 -Part of PICPRT REFSHEET(1986, January) 44— List printable ascii codes REFUND (1986, April) 96 -Keep track of refund offers REMOTELD (1985, December)-BBS utility (from Nov. 1985) REMOTELD (1985, November) 112 -BBS utility REMOTE2 (1985, November) 108 -BBS utility REMOVREM (1985, October) 151 -Remove REM statements REM2DEMO (1985, December) — BBS utility (from Nov. 1985) REM2DEMO (1985, November) 112 -BBS utility REPTGENR (1986, March) 145-Business expense management RESTORE (1986, February) 108—BASIC utility REVTYPE (1985, August) 102—Assembly demo RINGSONG (1986, June) 42—Music and graphics demo RMTALARM (1985, December) 63-Burglar alarm ROBOCISE (1986, February) 117 - Exercise companion ROBOMATH (1985, September) 20 -Math quiz ROCKET (1985, Ju/y) — Animated graphics demo (from June 1985) ROTATE 1 (1986, May) 121 —Printer utility ROTATE 2 (1986, May) 127 —Printer utility RTR (1986, May) 28 -Game (Super-rooter) RUDOLPH (1985, December) 21-XMAS graphics RULEOF78 (1986, March) 36 — Installment loan pay-RULER (1986, June) 119 —Teach how to use a ruler SAMPLE (1985. August) 104 —Assembly demo SAUCER (1986, March) 109—Game SCF EDI (1986, January) 147 —BBS utitity SCREEN (1986. January) 176 —Graphics utility SCRNTYPE (1985, August) 98 —Assembly demo SETBAUD (1986. May) 226 -Use with SETPRT SETPRT(1986. May) 223— Change printerparameters in PASCAL SHADOW (1986, June) 44 - Music demo SHOPLIST (1986, April) 219 —Computerized shop-SHUTTLE (1985, August) 177 —DRAW demo SINGLONG (1986, June) 37-Music entertainment SKIPRINT(1986, January) 43-List cassette files to printer SLOWLIFE (1986, June) 201 -Game of "Life" SMF EDI (1986, January) 150 —BBS utility SMP EDI (1986, January) 166 —BBS utility SNDSTORY (1985, October) 128 -SOUND demo SNKCHASE (1986, January) 100-Game SOCCER (1985, August) 48 -Soccer instruction

SONGGAME (1986, June) 75 -Name that Tune SONGS (1986, June) 67 -Name that Tune game SOUND (1985, October) 88 - Sound synthesis SOUND 2 (1986, February) 166 - SOUND utility SOUNDBSE (1986, June) 112 - Make different SOUNDCAS (1986, June) 63-PLAY demos SOUNDISK (1986, June) 65-PLAY demos SPEAK2ME (1985, October) 19-Graphics demo SPRINGBD (1985, September) — Bonus program STARFIND (1985, September) 56 -Astronomy STARS (1985, August) 138 — Short demo for children STARTUP (1985, December) 158 —BBS system STOCKCAR (1985, July) 72 —Simulation game STRIPLF (1986, *June*) 190 —Use with MS2COCO STYLIST (1986, *May*) 89 —Epson printer setup SUBTRACT (1986, February) 150 —Elementary education SUL EDI (1986, January) 158 -BBS utility SUPERCLS (1986, February) 162 - Enhanced CLS SUPRNOVA (1986, January) 37 - Graphic demo SWIMPOOL (1986, June) 146 —Swimming pool maintenance aid TAPEDIR (1986, February) 54 -For CRUN TEACHAID (1985, September) 49 —Teacher's record keeper TESTMAKR (1985, September) 32 - Make multiple choice tests THE SEED (1986, *January*) 130 —Graphics demo TICTACTO (1985, *December*) 70 —Trivia game TIN EAR (1986, February) 146 -PLAY tutorial TITLEMKR (1986, March) 159-Title cards for programs TITLPOKE (1985, November) 164 - Screen poke utility TITLPRINT (1985, November) 164 - Sample title TRACK (1985, July) 149 — Trigonometry game TRACK40 (1986, June) 93 — Disk utility
TRADER (1986, March) 20—Gameforyoungchild TRIKWORD (1985, September) 118 -Vocabulary practice TRIVDATA (1985, December) 79 - Data file for TICTACTO TRIVUTIL (1985, December) 72 - Trivia game TRPSHOOT (1985, November) 21 - Trapshooting TUGOFWAR (1985, July) 150-Trigonometry game TUTOR 1 (1986, June) 142 -BASIC programming TUTOR 2 (1986, June) 143 -BASIC programming TV SHOWS (1986, March) 50 -Graphics demo TYPANIC (1985, August) 91 —Short game USA FLAG (1985, July) 116 —Flag picture USER SYS (1985, December) 159 --BBS system VACATION (1986, May) 98 -Vacation planner worksheet VALNAME(1986, February) 23-Valentine maker VALPRINT(1986, February) 20—Valentine maker VARLIST (1986, March) 96-List program variables VISION (1985, August) 231 - Do-it-yourself eye exam VOCABLRY(1985, September) 82-Simulate a dictionary WHO AM I (1986, February) 135 - Elementary education WORD+ (1986,, May) 39 - Make crossword puzzles WORKOUT (1986, March) 28 -Exercise aid WORLDWAR (1985, July) 58 - Simulation game XFER16 (1985, November) 37 - Transfer files over phone XMASONGS (1985, December) 37 -XMAS music XMASSHOW (1985, December) 212 - Christmas graphics XREF (1986, February) 172 - Cross reference pro-YOYO (1986, April) 145 —Programming demo ZIP (1985, September) 141-DRAW demo ZONX (1985, October) 67 - Action game 40 35 (1985, July) 33 - Disk utility 40 80 (1985, *July*) 31 —Disk utility 64KDRIVR (1985, *October*) 87 —Sound synthesis 64KSETUP (1986, May) 83 —Utility 1

# The Sixth Year Of Rainbow

An index to the articles, reviews and authors appearing in THE RAINBOW from July 1986 through June 1987.

Compiled and Edited by Leslie A. Foster

Copyright© 1987, Falsoft, Inc.

### AN INDEX TO THE RAINBOW JULY 1986 - JUNE 1987

TOTAL NUMBER OF ARTICLES (July 1981 to June 1987) - 3518

This is the fourth index to the Rainbow. Changes in this year's index include:

- -editorial comments are indexed
- -hints and one (or two-) liner programs are indexed -names of Rainbow on Tape/Disk programs are
- included with each citation
- -question and answer citations include a sample of question topics
- -in "The CoCo gallery," titles of graphic art are noted

Previous indexes to the Rainbow are available as follows:

July 1981 to June 1984—July 1984 issue July 1984 to June 1985—July 1985 issue

July 1985 to June 1986—July 1986 issue

The subject breakdown, and number of items per heading are shown below. The number following in brackets is the total number of articles published since 1981 in that topic (where indexed).

ASSEMBLY LANGUAGE - 3 (43)

BUSINESS - 1 (30)

CASSETTE — 1 (6)

CLUBS - 5 (12)

COMMUNICATIONS — 21 (65)

DATABASE MANAGEMENT - 0 (9)

DISK -5 (58)

DRAGON COMPUTER — 0 (3) EDITORIAL COMMENT — 24 (not indexed)

EDUCATION - ELEMENTARY — 11 (52)

EDUCATION - GENERAL — 34 (178)

EDUCATION - LOGO — 0 (4)

GAME — 45 (248)

GAME-ACTION - 0 (12) GAME - ADVENTURE — 3 (25)

GAME-SIMULATION — 1 (18)

GENERAL — 31 (164)

GRAPHICS —56(216) HARDWARE — 0 (18)

HARDWARE PROJECT - 18 (45) HARDWARE TUTORIAL — 11 (18)

HINT — 31 (not indexed)

HOME APPLICATION - 18 (94)

HOME FINANCE - 9(30)

MC-10 MICRO COLOR COMPUTER - 0 (6)

MUSIC - 13 (51)
ONE OR TWO LINER PROGRAMS — 65 (not indexed)

OPERATING SYSTEMS — 0 (3)

OPERATING SYSTEMS - OS9 — 26 (81)

PASCAL -0 (13)

PRINTER — 8 (64)

QUESTIONS AND ANSWERS - 32 (74)

SOUND SYNTHESIS - 0 (4) TUTORIAL— 12(52)

UTILITY — 16 (138)

WORD PROCESSING - 3 (13)

TOTAL NUMBER OF ARTICLES - 699 (3516)

AUTHORS -472 (1836)

PRODUCT REVIEWS - 196 (1549)

Leslie A. Foster is a librarian with Dalhousie Law Library in Halifax, Nova Scotia, Canada, and has recently been appointed System Manager for the implementation of an integrated library system for the universities in the Halifax area.



#### ASSEMBLY LANGUAGE

Barden, William, Jr. "Interfacing tricks for BASIC and Assembly Language." (July 1986) 216 WORDCNT1; WORDCNT2 EXPLODE1: EXPLODE2

Barden, William, Jr. "More interfacing tricks for Assembly Language and BASIC." (August 1986) 188 CHARGEN

Barden, William, Jr. "Presenting a guiz for Color Computer Assembly Language." (November 1986)192

#### BUSINESS

Dettmann, Harvey. "The bookkeeper's helper." (March 1987)97 PAYROLL

#### CASSETTE

Nelson, Mark. "Fast relief for tape-loading headaches." (February 1987) 182 — Correction, June 1987, p.116. TAPE DOC

#### CLUBS

"Clubs, clubs, clubs." (January 1987) 70 — Quarterly list of CoCo clubs. "Clubs, clubs, clubs." (April 1987) 149
"CoCo community." (July 1986) 204
"CoCo community." (October 7986) 189
Haverstock, Mark. "The care and feeding of a CoCo club." (January 1987) 67

### **con**MUNICATIONS

Adams, Rick; and Lear, Dale. "Coming to terms with the CoCo 3." (November 1986) 93 -Terminal program for CoCo 3. Corrections to Rainbow on tape/disk January 1987, p.164. TERM3BAS; TERM3

Augsburg, Cray. "Building an OS-9 support network." (July 1986) 88 — News from Delphi.

Augsburg, Cray. "Changes make Delphi even easier to use." (March 1987) 92 — Includes a Delphi command card.

Augsburg, Cray. "Checking into conference." (April 1987) 94

Augsburg, Cray. "Command options in the workspace." (October 1986) 154 — About Delphi

Augsburg, Cray. "A follow-up on SIG mail." (December 1986) 169

Augsburg, Cray. "Help is just a SIG away." (May 1987)120

Augsburg, Cray. "Help one, help all." (June 1987) 126

Augsburg, Cray. "A look at workspace."

(September 1986) 172 - Delphi hints. Augsburg, Cray. "A review of the personal settings profile.'" (January 1987) 168

Augsburg, Cray. "SIG changes include new selections, new sections." (February 1987) 68 -Delphi information.

Augsburg, Cray. "Using mail in the SIG."

(November 1986) 102 — Delphi news. Augsburg, Cray. "Using the CoCo SIG." (August 1986)174

Bailey, Eric. "Graphically speaking: The artistic BBS." (November 1986) 108 — Correction, February 1987, p. 160. LRWSEDIT

Crosby, Mark. "The evolving REMOTE." (November 1986) 70 REMOT232

Duncan, Richard. "CoBBS message editor." (November 1986) 80 SMH

Goodman, Marty. "Database report." (September 1986) 173 — Delphi news. Goodman, Marty. "RTTY for the Color Computer."

(November 1986) 36 RTTY Kyte, Ted. "Two CoCo BBS system." (November

1986) 86 Miller, Eric; and Gavriluk, Erik. "Long distance draughts." (November 1986) 114 — Checkers by

modem. MCLOAD; MCDRAW Popyack, Len. "Hamming it up." (November 1986) 43 — Packet radio discussion.

#### DISK

Armstrong, Kerry M. "Transplant surgery for the disk controller." (July 1986) 68 - Upgrade the disk controller.

Goodman, Marty. "Transfer CoCo text files to MS-DOS disks." (July 1986) 176 MS19GEN; MSFORMATADOLF COC02MS

Jorgenson, Michael N. "Take command of CoCo 3 drives." (February 1987) 94 — Disk utility for the CoCo 3. DU-3

Perevosnik, Joe. "Double duty." (May 1987) 92 -Print hard copies of disk directory. DISK DIR

Schrag, Roger. "The limousine utility: A tape-todisk transfer vehicle." (February 1987) 73 -Reprint from January 1984, p. 48. TPTODSK

#### EDITORIAL COMMENT

Arnott, Jo Anna. "Building April's Rainbow." (April 1987) 16 — Introduction to home help issue.

Falk, Lawrence C. "Print#-2." (July 1986) 12 -

Fifth anniversary memories.
Falk, Lawrence C. "Print#-2." (August 1986) 12 — Come visit Falsoft; Chicago RAINBOWfest.

Falk, Lawrence C. "Print#-2." (September 1986) 12

 All about CoCo 3. Falk, Lawrence C. "Print#-2." (October 1986) 12 -

Comments on CoCo 3. Falk, Lawrence C. "Print#-2." (November 1986) 12

- Tandy's got IT.' Falk, Lawrence C. "Print#-2." (December 1986) 12

 CoCo 3 comments. Falk, Lawrence C. "Print#-2." (January 1987) 12 -

Comments on availability of CoCo 3 software. Falk, Lawrence C. "Print#-2." (February 1987) 12

 How to promote the CoCo. Falk, Lawrence C. "Print#-2." (March 1987) 12 -Availability of software for CoCo 3.

Falk, Lawrence C. "Print#-2." (April 1987) 12 -Comments about software piracy.

Falk, Lawrence C. "Print#-2." (May 1987) 12 -Comments about adventure contest.

Falk, Lawrence C. "Print#-2." (June 1987) 12 -Discussion of Chicago RAINBOWfest.

Reed, James E. "Building August's Rainbow." (August 1986) 16 — Assorted commentary.

Reed, James E. "Building December's Rainbow." (December 1986) 16 — CoCo 3 comments. Reed, James E. "Building February's Rainbow." (February 1987) 16 — Just can't retire the old

Reed, James E. "Building January's Rainbow." (January 1987) 16 — Introduction to beginner's

issue Reed, James E. "Building July's Rainbow." (July 1986) 16 — Notes for beginners.

Reed, James E. "Building June's Rainbow." (June 1987) 16 - Discussion of Chicago RAINBOWfest.

Reed, James E. "Building March's Rainbow." (March 1987) 16

issues

Reed, James E. "Building May's Rainbow." (May 1987) 16 — Attach a CoCo to your exercise bike! Reed, James E. "Building November's Rainbow." (November 1986) 16 — Comments on copyright

Reed, James E. "Building October's Rainbow." (October 1986) 16 - All about Rainbow on Disk. Reed, James E. "Building September's Rainbow." (September 1986) 16 - All about CoCo 3.

#### **EDUCATION - ELEMENTARY**

Blyn, Steve. "Let the little ones learn by counting on CoCo." (January 1987) 76 CARCOUNT

Blyn, Steve. "Mystery word puzzles." (September 1986) 74 — Help learn spelling or vocabulary lists SPFI PUZI

Blyn, Steve. "Word fun: The three bears come of age." (November 1986) 74 FUNWORDS Plog, Michael. "The role of teachers in educational

software development." (June 1987) 32 Rigsby, Mike. "Your face or mine?" (September 1986) 88 FACE BASND SOUND

- Scerbo, Fred B. "The challenge returns: Driller II is a thriller, too." (October 1986) 173 DRILLER2 Scerbo, Fred B. "Understanding relationships
- between fractions, decimals and whole numbers." (January 1987) 78 MATHQUIZ

Scerbo, Fred B. "Updating the Color Change quiz." (September 1986) 98 CHNGQUIZ Schneider, Harold. "The odd man out." (October

1986) 125 — Rainbow on tape program also on September tape. NOTLIKE

Turner, Del. "Is is a fish, or a phish, or a pheish?" (June 1987) 148 — BASIC09 helps with phoneme recognition. SOUNDPUZ (BASIC09)

Turowski, Donald. "I before E except after C..." (September 1986) 78 SPELDRIL

#### **EDUCATION - GENERAL**

Bennett, Jim. "The vocabulary tightrope." (July 1986) 188 — Match synonyms. TITEROPE Blyn, Steve. "Developing logical reasoning skills."

(July 1986) 132 — Development of reasoning powers. TRUEFALS

Blyn, Steve. "Exploring the card catalog." (August 1986) 94 — Training in library skills. CARD LOG Blyn, Steve. "A flexible program for teaching line

graphs." (April 1987) 46 GRAPHS Blyn, Steve. "It's back to basics with an adjective review." (October 1986) 152 ADJECTIV

Blyn, Steve. "Learning about scales: Key to understanding maps." (May 1987) 112 MAPSCALE

Blyn, Steve. "Making the Dewey Decimal system user-friendly." (March 1987) 74 DEWEY Blyn, Steve. "Presidents take Precedence."

(February 1987) 46 — Presidential quiz. PRESIDNTS

Blyn, Steve. "A square deal for teaching math." (June 1987) 47 MATHPLAY

Blyn, Steve. "Understanding the computer with binary dice conversions." (December 1986) 88 BINARY

Collicot, John. "Cipher fun for CoCo kids." (April 1987) 166 ADDITION

Hood, Thomas. "Counting with Caesar." (April 1987) 172 — Roman numeral drill. ROMANS

Kenny, Keiran. "Rational thinking." (September 1986) 38 — Conversion of fractions to ratios and percentages. RATIOS

Kolar, Joseph. "Translation sensation." (July

*1986)* 93 LANGTUTR

Kolar, Joseph. "Uncomplicating translating." (August 1986) 48 — Second part of translation demo. LANGTUT1; LANGTUT2

Norton, Dennis. "Chronologist in CoCo land." (September 1986) 58 - Teach children how to read a clock. CLOCK
Plog, Michael. "Do teachers like computers?"

(February 1987) 65

Plog, Michael. "Finding resources for computer learning." (March 1987) 90

Plog, Michael. "The 'hidden' computers." (August 1986) 97 — Use of the CoCo in videotape editing.

Plog, Michael. "The most important educators of all." (November 7986) 166

Plog, Michael. "Programming the LOGO turtle: Studies in learning transfer." (April 1987) 86

Plog, Michael. "The question of assessment." (January 1987)176

Plog, Michael. "S-P analysis: Comparing the curves." (May 1987) 82 — Aid in curriculum improvements.

Plog, Michael. "Special education and the computer." (July 1986) 135
Plog, Michael. "Tandy grants and the status of

educational computers." (September 1986) 76

Powers, Ron. "CoCo testmaker revisited." (September 1986) 160 — Make multiple choice tests updated (from Sept. 1985, p.30). TESTMAKE

Powers, Ron. "The teacher's pet." (September 1986) 47 — Computerized grade book. GRADCALC

Scerbo, Fred B. "CoCo conquers the metric system." (April 1987) 76 LIFESKL6

Scerbo, Fred B. "Computer-paced learning." (August 1986) 167 LIFESKL4
Scerbo, Fred B. "Graphics, education and speech

come together." (May 1987) 38 —Graphic simulation of blood flow. BLOOD

Scerbo, Fred B. "More graphics, speech and education." (June 1987) 106 — Simulation of the heart. HEART

Scerbo, Fred B. "A spelling program that speaks for itself." (February 1987) 166 H&SPELL

Terrio, Christine. "Teacher's pet." (January 1987) 32 - Spelling practice lists.

White, Edward A. "Hail to the Chief." (September 1986) 153 — Presidential quiz. PRESIDNT

#### GAME

Baumgardt, Kent. "Explosive word fun." (April 1987) 59 — Hangman game WORDGUES
Behrmann, Darrel. "Alien raiders blitz." (November 1986)52 RAIDERS

Bell, Bruce K. "The eyes have it." (January 1987)

52 — Visual memory games. DISCRIM Bell, Bruce K. "Hint." (June 1987) 81 — Modification to Discrimination (January 1987

Bernico, Bill. "Double whammy." (October 1986) 101 - Based on dice game, Skunk. WHAMMY Bernico, Bill. "Laying down the chips." (August

1986) 80 — Bingo caller. BINGO

Blound, Andy. "Masonry madness," (August 1986) 83 — Lo-res puzzle game. BRICKS Branigan, Arron. "Fortune wheel." (August 1986)

156 — Modification, December 1986, p.50, and March 1987, p.182. WHEEL CREATOR

Brimner, Robert. "Joker poker." (March 1987) 99 Correction, May 1987, p.128. POKER

Brunotte, Benjamin W. "This one's a puzzler." (May 1987) 152 - Construct word search puzzles. WDSEARCH

Buttacavoli, Paul D. "CoCo 3 gets you over a barrel." (March 1987) 52 — Similar to Rubik's cube. BARREL

Camirand, Rene. "Save the astronauts!" (September 1986) 33 ASTRONAT

Collins, Dale R. "Life of the party for \$200, please." (March 1987) 58 — Similar to TV's Jeopardy. Correction, May 1987, p.128. GPARTY

Coty, Curt. "Let the laser battle begin." (January 1987) 36 — Correction, May 1987, p.128. DEF MOV

Dash, Raju. "The evil tyrant star lord." (August 1986)58 STARLORD

Dick, Brien. "Which Nym is Witch?" (August 1986) 40 — Educational game. Correction, October 1986, p. 92. NYMATCH

Drennan, Allen. "Bombs away!" (October 1986) 18 BOMBAWAY

Drennan, Allen. "A Visit to the past." (January 1987) 28 — New version of Breakout. BACKSTAB

Farris, Charles. "Mission: hold the bridge." (December 1986) 29 MORTAR

Galibois, Michel. "Paramission: Fast and dangerous!" (May 1987) 114 PARAMISS German, J. D. "Up on the rooftop." (December

1986) 124 — Christmas theme game. SANTA

Goldwyn, Ira. "Perplexing picture puzzles."
(September 1986) 108 SCRAMBLE LATECOCO Hoggins, Jay R. "Vigilance is vital for victory over

vicious Vic." (July 1986) 74 VIC Huang, David. "Calling to mind." (August 1986) 81

— Memory game. REPEATIT

Hutchinson, David. "Hand-me-downs." (February 1987) 120 HAND OFF

Jensen, Paul. "The evictor." (July 1986) 62 EVICTOR

Jones, Tim. "The eye of the tiger." (August 1986)

122 — Boxing game. BOXING
Jones, Tudor P. "The Solitary endeavor." (December 1986) 76 — Solitaire on the CoCo. Correction, March 1987, p.182. SOLTAIRE

Kenny, Keiran. "Mastering the gates." (August 1986) 79 GATES

Keyes, Chris. "Air rescue." (June 1987J 26 — Balloon attack game. POKE1; POKE2

Kromeke, Michael B. "Tricks of the trade." (March 1987) 76 — Puzzle type game SWITCH Lear, Dale. "There's evil doings afoot at the Hotel

CoCo." (February 1987) 27 SETUP (OS9) HOTEL (OS9) Meyers, Peter. "The menace of the SandWorm." (August 1986) 18 SANDWORM

Noble, James A. "Battlin' blue Bert." (April 1987) 105 BLUEBERT

Petit, Laura; and Petit, Chris. "Hippity hoppity down the bunny trail." (*April 1987*) 99 — Pattern discrimination game. EASTER

Powers, Courtney. "Instant graphics and Hogs in Space." (February 1987) 106 — Correction, May 1987, p.128. HOGSPACE

Rittenhouse, James E. "Wet 'n wild." (January 1987) 27 — Leaky roof game. LEAKY

Scerbo, Fred B. "Achieving arcade game speed in BASIC." (July 1986) 98 — Advanced Star-Trench Warfare (see also November 1982, p.8) Corrections, August 1986, p.98, and October 1986, p.92 TRENCH

Scerbo, Fred B. "Creating designer arcade games." (December 1986) 163 - Updated snail invaders. CRTVADER

Scerbo, Fred B. "Roboflip: Anatomy of a game." (March 1987) 168 ROBOFLIP

Tucker, Eric. "Treasure quest: The golden adventure." (November 1986) 18 TREASURE Wells, John T. "Saucer, saucer, in the sky." (April

1987) 116 SAUCER White, Eric. "CoCo-nect-a-dot." (January 1987) 60 COCONECT

Wood, James W. "Tic-tac-CoCo." (August 1986) 36 — Polar version of game. TICTACTO

Wright, Archor. "Fly off the handle." (August 1986) 81 — Flight simulator. FLIGHT

#### **GAME-ADVENTURE**

Cook, Bill. "The adventure processor." (August 1986) 26 — Help in writing adventure games. Correction, November 1986, p.78. ADV-PRO Duerig, Jean; and Duerig, Al. "The goblins'll

getcha if you don't watch out!" (October 1986) 26 HALOWEEN

Ruby, Paul, Jr. "Success mansion." (January 1987) 108 — Correction, April 1987, p.128. SUCCESS

# **GAME-SIMULATION**

Kromeke, Michael B. "Rattle rattle thunder clatter boom boom." (September 1986) 49 — A model of a car engine. ENGINE

# **GENERAL**

Adams, Rick; and Lear, Dale. "Color chart for the CoCo 3." (January 1987) 20 COLOR3

Augsburg, Cray. "The RAINBOWfest reporter." (February 1987) 83 — Princeton, October 1986.

Barden, William, Jr. "How does the CoCo stack up?" (August 1986) 90 - Rating of CoCo with other micros.

Bernico, Bill. "Get chart smart with mileage mapper." (May 1987) 30 — Calculate distances on a map. DISTANCE

Bernico, Bill. "Songwriter's word rhymer." (January 1987) 32 - Add endings to words.

Biggs, Brian. "Where is it?" (December 1986) 93 — Disc label program. LABELER

Bjork, Steve. "The Color Computer 3: A programmer's dream." (September 1986) 26 Bouchard, Roger. "Date tracking through the

ages." (January 1987) 46 — Generate calendars for any year. Correction, April 1987, p. 128. CALENDAR: CALMOD

CoCo 3 is born!" (September 1986) 30

The faces of Falsoft: The Rainbow makers." (July

1986) 37 — Staff pictures. Falk, Lawrence C. "CoCo better again? Impressions of the new CoCo 3." (September 1986)18

Foster, Leslie A. "The fifth year of Rainbow." (July 1986) 193 — Index July 1985 - June 1986.

- Hyre, Leonard. "The key to success." (March 1987)66 — Typing tutor. Correction, May 1987, p.128. COCOTYPE
- Laun, Robert E. "Enter the fifth dimension." (April 1987) 20 — Five dimensional arrays explained. FIFTHDIM
- McGrath, Dick. "The envelope please." (November 1986) 125 — Crossword puzzle contest winner. Montowski, Robert C. "July fashion forecast: Classic clothes by CoCo." (July 1986) 115 — Make iron-on transfers. BOOTFLIP FLIP-L2R; **FLIPPOKE**
- Parker, Jeffrey, "The RAINBOWfest reporter," (Oc*tober 1986*) 83 — Chicago, May 23-25, 1986.
- Plog, Michael. "Computers and our English vocabulary." (December 1986) 173
  Plog, Michael. "A discussion about sexism in the
- computer industry." (October 1986) 164
- Samuels, Edward. "Computer program copyrights: A how-to guide." (*April 1987*) 82 Scerbo, Fred B. "Prepare for Thanksgiving
- cooking with liquid measure." (November 1986) 62 — Gallons to ounces, etc. LIQUID
- Schuster, Tobin. "The 8088 sounds off." (March 1987)40 — Unusual use for the 8088 microprocessor.
- Siegel, Mark. "The third one's the charm." (November 1986) 30 - More details on CoCo 3. Staff, "Rainbow's holiday shopping guide." (De-
- cember 1986) 25 Christmas gift suggestions. Steinbrueck, Richard. "The tournament master." (April 1987) 120 - Keep track of round robin games. Correction, June 1987, p.116. RNDROBIN INPUT
- Tenney, Steve. "The rhythm of life." (May 1987) 20 - Chart your biorhythms. BIOCHART
- Chart your biomythins. Biochart White, Richard A. "Exploring the CoCo 3 color system." (*March 1987*) 112 C03COLOR White, Richard A. "The first days with CoCo 3: Experimentation and discovery." (*January 1987*)
- White, Richard A. "Making the most of CoCo 3 features without overdoing it." (April 1987) 194
- Williamson, H. G. "Tracking the tempest." (April 1987) 26 — Predict a hurricane landfall. Correction, June 1987, p.116. HURRTRAK
- Zumwalt, Greg L. "Tandy Color Computer 3 does windows, and a whole lot more." (September 1986)20

#### **GRAPHICS**

- Adams, Rick; and Lear, Dale. "The power of the palette: Graphics on the Color Computer 3." (October 1986) 37 — Corrections to Rainbow on tape/disk January 1987, p.164. TUNNEL WHEEL Barden, William, Jr. "More on PSET, PRESET and
- graphics speed." (January 1987) 181 LINEBAS; LINEBIN RADARBAS; RADARBIN
- Benway, Patrick J. "Space attack." (October 1986) 113 Demonstrate graphics commands. RAID Berenz, Michael. "The boogie box." (October
- 1986) 113 Print jam box on printer. RADIO Bernico, Bill. "The case of the shifty-eyed
- animation tutor." (January 1987) 82 FACE ONE; FACE TWO; FACETEST Bernico, Bill. "Colors of the spectrum." (October
- 1986) 112 Combine colors on screen. SPEĆTRUM
- Bernico, Bill. "A Thanksgiving pizza party."
  (November 1986) 28 PIZZA
  Billen, David C. "CoCo bright." (February 1987) 49
- Give colored text on screen. BOOT CHARLOAD PROGLOAD DEFINE
- Brown, Chris W. "Get the picture." (February 1987)88 — Graphic printout directory. GRADIR Cassel, Randy. "Graphics trio." (April 1987) 66 Graphics demos. SPINNER CIRCLES IPOPPER
- "The CoCo gallery." (July 1986) 18 Pictures: Uncle Sam; America; 4th of July; Abraham Lincoln; Chapel.
- The CoCo gallery." (August 1986) 114 —Pictures: Where worlds meet; Pioneer 1837; Basketball zone; Saturn; Comet; Beginning golfer.

- "The CoCo gallery." (September 1986) 122 -Pictures: Oratory; Beyond; Truck; Independence Hall; The Knight; Robot.
  "The CoCo gallery." (October 1986) 122 —
- Pictures: Spaceship earth; Co Covilla; Serpent; Halloween; Scorpion; Center.
- "The CoCo gallery." (November 1986) 26 -Pictures: Summer; Orbital drag race; P51 Mustang; Editor; CoCo Cat; Wolf.
- "The CoCo gallery." (December 1986) 114 Pictures: Strictly CoCo; Cowboy; X-Mas; Christmas morning; Waterfall; Football.

  "The CoCo gallery." (January 1987) 18 —Pictures:
- Castle; The Staff; Rainbow; The Enchantment of Crashk; Townhall; Space Dome. "The CoCo gallery." (February 1987) 18 —
- Pictures: Jenny Grist Mill; Mountain; Maison; Pete Rose; Ape; Birds.
- "The CoCo gallery." (March 1987) 18 Pictures: Telecoco; The super computer; Lighthouse; Haupt's mill bridge; Ol' Smokey.

  "The CoCo gallery." (April 1987) 18 — Pictures:
- Sugar house; USA; World; Downtown Columbus; Eagle. "The CoCo gallery." (May 1987) 18 — Pictures:
- Seascape; Gettysburg Battlefield; Boat, Emily; Something fishy.
- "The "CoCo gallery." (June 1987) 18 Pictures: Ship; Saturn; White Mill Creek; Old Mill; Mountain.
- Curtis, H. Allen. "Festive CoCo: Ready to PAINT the town." (July 1986) 46 - Expanded PAINT command. Correction, February 1987, p. 160. PAINT 1 TO PAINT 4
- Curtis, H. Allen. "Our highfalutin' feline does a CoCo 3 fandago." (May 1987) 52 — Dancing CoCo cat. CATDANCE; RECTANGL
- Curtis, H. Allen. "PUT speedy GETzales to work." (November 1986) 158 GETPUT1 TO GETPUT4
- DiZazzo, Ernie. "CoCo can play cupid, too.' (February 1987) 36 — Make a Valentine's card. LOVECARD
- Fortin, Ilene. "From our house to yours." (December 1986) 62 — Dot matrix Christmas cards. CARDSHOP
- Golias, Ruth. "A public service message." (February 1987) 124 — Graphics demo on safety theme. MESSAGE
- Harper, Jeff. "Graph-o-matic." (September 1986) 82 Plot 3-D functions. 3DFNCPLT
- Herr, Darin. "CoCoDraw concoctions." (October 1986) 59 MENUGEN COCODRAW
- Jones, Edward. "Two-tone text." (May 1987) 89 Experiment with different combinations. COLORS
- Kenny, Keiran. "The electronic marquee." (September 1986) 41 DISPLAY
- Kenny, Keiran. "PEEKasso prints." (January 1987) 30 — Drawing program PEEKASSO
  Kolar, Joseph. "Exploring CoCo graphics." (April
- 1987) 112
- Kressman, Robie. "Astronomer's heaven." (January 1987) 30 - Display the night sky. **BIGDIPPR**
- Kyte, Ted. "That's the way the ball bounces." (May 1987) 88 — CoCo 3 graphics demo. BALLDEMO LaBonville, Helen. "Halloween foolery." (October 1986) 108 — Talking pumpkin PUMPKIN
- Matthews, Becky F. "A cycle-delic palette." (February 1987) 60 — Graphics demo for CoCo 3. CYCLDRAW
- Matthews, Becky F. "O, Tannenbaum." (December 1986) 116 — Christmas graphics. TRIMTREE Mayeux, Ann B. "Portraits by BASIC." (October
- 1986)49 DRAWFACE
  Montowski, Robert C. "Picture perfect graphics commands." (March 1987) 156 - For OS-9 only.
- GSAVE (OS9) GLOAD (OS9) MAKEPIX (OS9) Polsz, Steven R. "Optimum animation." (October 1986)116
- Ropson, Ronald T. "The shifting, reducing, stretching, enlarging transfiguration band." (October 1986) 44 ZOOM1 TO ZOOM4
- Salvail, Pierre. "Four shades of gray." (May 1987)
- 90 Prints graphics screens. COLRDUMP Sims, Michael. "Charting the ups and downs of life." (March 1987) 86 Draw graphs of data. GRAPHIT

- Snook, Allen. "The spit and image." (May 1987) 36 - Screen dump program. GRAPHGEN
- Thomas, Carmie A. "Happy new year!" (January 1987) 29 — Graphics demo. NEW YEAR
- Vasconi, Eugene. "Holiday hearth." (December 1986) 108 — Christmas fireplace XMASFIRE; XMASDRVR
- Vasconi, Eugene. "Season's greetings." (December 1986) 18 — Graphics Christmas messages. GREETING
- Ventling, James. "Keycad/Keyflow: CoCoad and CoCoflow modifications." (November 1986) 126 COCOMOD1 TO COCOMOD3
- White, Eric. "Esch-a-sketch." (August 1986) 75 -Correction, December 1986, p.101. ESCHER PRINT200
- White, Jeff. "The great picture show." (July 1986) - Display graphics files. MAGICIAN WIZARD LATECOCO MERLIN LOADER SHOW
- White, Jeff. "Picture file extension changer." (October 1986) 1B2 EXTCHNGR
- White, Richard A. "The CoCo 3 color palette from a BASIC program." (February 1987) 200 BASICPAL
- Womack, Wayne. "The CoCo scaler." (October 1986) 166 SCALER
- Wright, Archor. "Amnotron animation." (July 1986) 54 — Animation program. AMNOTRON

#### HARDWARE PROJECT

- DiStefano, Tony. "The CoCo is music to the ears." (February 1987) 176 — Digital to analog converter.
- DiStefano, Tony. "An expandable relay project." (June 1987) 84
- DiStefano, Tony. "The hardware project basics review." (May 1987) 156
- DiStefano, Tony. "The No-switch VDG." (December 1986) 98
- DiStefano, Tony. "Some hardware fixes for the
- video display generator." (October 1986) 161 Goodman, Marty, "A PAL for your CoCo 3." (January 1987) 98 — Upgrade Multi-Pak Interface. See note
- February 1987, p. 160.
  Goodman, Marty. "Remote control CoCo." (July
- 1986) 71 Make a detachable keyboard.

  Goodman, Marty. "The shock absorber." (October
- 1986) 158 Protect from power spikes.
  Goshorn, Bruce W. "The quick joystick fix."
- (August 1986) 116 How to modify the deluxe joystick.
- Haverstock, Mark. "The old switcheroo." (August 1986) 108 — Joystick port switchbox. Correction, October 1986, p. 92.
- Lewis, Emmett J. "Presenting the smarter-thanaverage printer buffer." (May 1987) 160 PRINTBUF
- Mcintosh, Tim. "Do-it-yourself video output board." (September 1986) 171 Correction, November 1986, p.78. Merryman, Robert C. "The super switcher."
- (November 7986)168
- Ward, Logan. "LED power indicator." (December 1986) 160 - LED for the disk drive.
- Weide, Dennis H. "The CoCo ROS, part 1." (December 1986) 85 — Build a robot operating system.
- Weide, Dennis H. "The CoCo ROS, part 2: Building the ROS circuit." (January 1987) 153 **ROS TEST**
- Weide, Dennis H. "The CoCo ROS, part 3: The Robotics program and interfacing." (February 1987) 152 ROBOT RBT22SRC
- Wolff, Harold L. "Look what they've done to my CoCos." (March 1987) 46 - Battery backup for the CoCo.

# HARDWARE TUTORIAL

- Augsburg, Cray. "Dissecting the CoCo 3." (October 1986)94
- DiStefano, Tony. "Investigating the PIA." (July 1986)108
- DiStefano, Tony. "Let's take a look at the
- CoCo2B." (September 1986) 125
  DiStefano, Tony. "More on the new video display generator." (November 1986) 88

- DiStefano, Tony. "Taking a look at how monitors work." (January 1987) 94 — Correction, March 1987, p.182.
- DiStefano, Tony. "Timing and the SAM chip." (\*August 1986) 101
- DiStefano, Tony. "Transistor buffers for stereo application." (*April 1987*) 88 Ellers, Ed. "What's an analog RGB monitor

anyway." (September 1986) 27
Goodman, Marty. "Fixing CoCo and Multipak power supplies." (December 1986) 54 Goodman, Marty. "Inside the CoCo 3." (October

Goodman, Marty. "A recipe to fix CoCo fried ' chips." (August 1986) 24 — See retraction October 1986, p. 92.

#### HINTS

- Besherse. Bernie. "Hint." (April 1987) 147 Increase the line delay if printer communication problems.
- Cooke, H. D. "Hint." (April 1987) 142 —Conversion from hex to decimal to octal.
- Daniels, Randy. "Hint." (December 1986) 96 —
- DMP-105 large letters.
  Deich, Donald E. "Hint." (February 1987) 183 —
- Cassette loading tip.
  Demaree, Jack. "Hint." (February 1987) 142 Inexpensive bulk tape eraser.
- Devlin, Paul. "Hint." (June 1987) 164 How to lock the keyboard.
- Dillon, John. "Hint." (June 1987) 52 Put in sound prompts.
- Forbes, Jason. "Hint." (February 1987) 92 —CoCo 3 custom colors.
- Gagnon, Marc. "Hint." (April 1987) 147 —
- Interesting addresses in the CoCo 3.
  Haughey, Stephen A. "Hint." (February 1987) 144 - Inexpensive racks for computer equipment.
- "Hint." (August 1986) 136 Disk directory printout,
- "Hint." (August 1986) 139 What's your ROM version?
- "Hint." (January 1987) 83 Enter Hi-Res screen without clearing it.
- "Hint." (January 1987) 134 May be necessary to turn cassette recorder upside down.
- "Hint." (January 1987) 148 Printout disk directory.
- "Hint." (January 1987) 150 Cassette loading tip.
- "Hint." (January 1987) 166 Printer baud rates. "Hint." (*April 1987*) 24 — Printer baud rate table. "Hint." (*June 1987*) 112 — Hints on debugging a
- Knoppow, Jim. "Hint." (November 1986) 54 Alter the cursor.
- Law, Greg. "Hint." (April 1987) 47 Rainbow CHEK plus fix.
- Mattia, Frank. "Hint." (March 1987) 171 Use cassette port to get sound to a monitor. Mills, David. "Hint." (May 1987) 125 - RGB shortcut
- Nash, Jon. "Hint." (February 1987) 72 Use cassette relay command to make interesting sounds.
- Nellis, Michael. "Hint." (May 1987) 97 Cassette I/O errors.
- Rosen, Bob. "Hint." (January 1987) 146 CoCo 3 lowercase in 32 columns.,
- Rosen, Bob. "Hint." (March 1987) 160 CoCo 3 tips.
- Schmidt, Fred. "Hint." (December 1986) 133 ) Make
- an RS-232 "Y" cable.
  Strike, Thomas J., Jr. "Hint." (March 1987) 142 —
  Avoid burn-in of monitor.
- Valentine, John. "X marks the spot." (May 1987) 125 — Utility.
- Wilson, Stephen R. "Hint." (November 1986) 73 Multi-Pak tips.

#### HOME APPLICATION

Allen, David M. "Seal it with a CoCo kiss." (March 1987) 80 — Make an envelope on printer. **ENVÉLOPE** 

- Andrews, Alan L. "Library labeler." (May 1987) 91 - Prints labels for cassettes. CASBXLBL
- Bell, Bruce K. "Finger sprints." (January 1987) 26 Typing practice. HOME ROW
- Bell. Bruce K. "Interiors by CoCo." (May 1987) 58 Graphics editor that allows one to draw and
- design floor plans. ARCHIE; ARC Borger, J. E. "Auto economy." (April 1987) 73 Figure out miles/gallon. MGP
- Carrigan, Bill. "It all adds up." (April 1987) 90 -Convert computer to calculator. COCOCALC
- Fugh, John, Jr. "Who's on first?" (Apn7 1987) 70 -Produce baseball score card. BASEBALL
- Gonce, Burt, Jr. "CoCo yields." (April 1987) 74 -Calculate amount of cement needed to fill a form. CEMENT
- Griffard, Robert. "Banishing the freezer burn blues." (April 1987) 37 — Freezer inventory control. FREEZER
- Kenny, Keiran. "It figures." (March 1987) 78 -Calculate total of list of figures. TOTAL
- Lake, Robert C. "Ma Bell gets personalized." (May 1987) 74 — Vanity phone numbers for fun. VANÍPHON
- Large, Donald. "Grocery." (April 1987) 68 —Make grocery lists. GROCERY
- March, Keith. "Recipe printer." (April 1987) 72 RECIPE
- Reed, Bill. "Plottin' and Plannin'." (April 1987) 174 -Spreadsheet program. SPREAD
- Rittenhouse, James E. "Cassette organization." (February 1987) 125 TAPEMENU
- Rocci, Kathryn. "That's the ticket." (May 1987) 26 -Print tickets for parties, dances, etc. TICKET Rogers, Robert. "Decisions, decisions." (February
- 1987) 122 Help you decide alternative choices. DECISION
- White, Eric. "CoCo presents the well-behaved yard sale." (April 1987) 52 YARDSALE

#### HOME FINANCE

- Bernico, Bill. "Planning ahead." (February 1987) 127 — How long to save up for a purchase. SAVINFOR
- Evans, Mark. "See how your stocks stack up." (March 1987) 122 STOCK GRAPH
- Gallagher, John. "Payday pal." (March 1987) 77 Calculate pay increases. WAGECALC
- Green, Robert A. "Check it out." (March 1987) 20 - Check writer. CHEKRITR
- Haas, David V. "The budget master's companion." (March 1987) 172 BUDGET
- Miller, Ralph D. "A matter of principal." (March 1987) 82 — Print amortization schedules. **AMORTIZE**
- Musumeci, John. "Checks and balances." (April 1987) 75 — Check book balancer CHECKS
- Phillips, Jim A. "The private accounting wizard." (March 1987) 26 — Keep track of personal records. ACCOUNT TAPEUSER
- Zanger, Murray. "Thrifty CoCo handles what-if calculations." (March 1987) 36 FNANPLAN

#### MUSIC

- Bernico, Bill. "Sgt. CoCo's only starters club band." (June 1987) 44 — Guitar help. STRUMMER
- Bernico, Bill. "Up with the beat." (June 1987) 80 -A metronome. METRNOME
- Branigan, Arron. "Go tell it on the CoCo." (December 1986) 66 — Christmas music and graphics. WINTER
- Burke, Val. "Singing with the bird." (June 1987) 20 A tribute to jazz legend Charlie Parker. YARDBIRD
- Camp, Mark S. "Pick and choose from the music menu." (June 1987) 49 — Menu selection for MUSIC+. MUSXMÉNU HYMN
- Josue Vigil, Julian. "New Mexican folk dances." (June 1987) 76 FOLKSONG
- Mueller, John E. "Uncovering the MIDI section." (June 1987) 36 — Digital interface for CoCo
- Nickel, Harold. "The CoCo composer." (June 1987) 114 — Play the CoCo like a two-level organ. PIANO

- Plaster, Gip W., II. "Sound off." (June 1987) 81 -Music and sound effects. SOUNDOFF
- Piatt, Joseph D. "The sweet strains of CoCo." (June 1987) 94 — Upgrade to Music+.
- MUSIC+TR OLD100TH HOWGREAT JESU JOY Schuff, David. "The color conductor," (June 1987) 78 — Various popular songs. GAVOTTE TEXAS
- CHIEF FOLLOWME JETPLANE COUNTRY Thompson, Matthew. "Steppin' out with my CoCo." (June 1987) 58 — Music synthesizer. BW2; BW2C3FIX AXEL F ENTRTANR
- Woods, Rick. "Deck the halls." (December 1986) 42 — Songs for Musica II. DECKHALL MUSCLOAD TAPELOAD

#### ONE-LINER AND TWO-LINER PROGRAMS

- Barnett, Calvin, "One-liner," (June 1987) 144 Graphics demo.
- Baylie, Tom. "One-liner." (September 1986) 149 -Average out grades.
- Beck, John. "One-liner." (January 1987) 144 Graphics demo.
- Bentley, Jonathan. "Two-liner." (March 1987) 141 - Type on computer, immediate output to printer.
- Biasillo, Keith. "One-liner." (January 1987) 136 -Draw a grid on the screen.
- Bisbee, Daniel. "One-liner." (September 1986) 141 - PRINT demo.
- Bolle, Francois. "One-liner." (September 1986) 134 Looks and sounds like rain.
- Breznai, Mark M. "One-liner." (September 1986)
- 132 Typing practice.

  Buck, Tim. "Two-liner." (August 1986) 148 Pick me is rather interesting—you'll have to type it in. Butterworth, James, III. "One-liner." (October
- 1986) 148 Draw a rainbow. Carroll, Gerald. "One-liner." (March 1987) 143 -
- Exchange rate conversion. Coenen, Matthew. "Two-liner." (June 1987) 143 -
- Sound demo.
  Cooney, Mike. "Two-liner." (September 1986) 137
- Horse race.
- Cross, David. "One-liner." (December 1986) 143 -Display characters in ROM/RAM.
- David, Eddie. "Two-liner." (March 1987) 143 Print out a bill of sale.
- Derby, Kevin. "Two-liner." (August 1986) (September 1986) 54 Game with joysticks. Edmonds, Philip. "Two-liner." (July 1986) 150 —
- Draw line between two points. Ferullo, Joseph. "One-liner." (December 1986) 199
- Calculate equivalent resistance. Frerking, Anthony. "One-liner." (April 1987) 148 -
- Calculate grade percentages.

  Goicuria, Eddie. "Two-liner." (June 1987) 145 Music demo.
- Goodman, Richard. "One-liner." (October 1986)
- 143 Calculate pi. Greene, Bobby. "Two-liner." *(May 1987)* 198 Print out PRINT work sheets.
- Halko, Steve. "One-liner." (October 1986) 153 -Graphics demo.
- Hall, Mike. "One-liner." (October 1986) 153 -Flip a picture upside down. Harper, Jeff. "One-liner." (December 1986) 139 -
- Graphics and sound demo.
- Hazard, Matt. "Two-liner." (May 1987) 106 Make up a scrambled word. Hiatt, Stan. "Two-liner." (July 1986) 182 —
- Simulate Etch-a-Sketch. Hughes, Blake C. "One-liner." (July 1986) 157 -
- Draw face of clock.
- Johnson, David. "Two-liner." (May 1987) 79 Print labels for disks.
- Johnson, Timothy. "One-liner." (December 1986) 144 — Calculate antenna lengths for a HAM. Kenny, Keiran. "One-liner." (February 1987) 138 —
  - Miniature monitor program. Kim, Joon Y. "One-liner." (May 1987) 28 - Print
- out disk directory. Kimmel, Tony. "One-liner." (July 1986) 155 -Reverse 4 digit number.
- Kromeke, Michael B. "Two-liner." (July 1986) 232 - Print out a calendar.
- Kromeke, Michael. "Two-liner." (May 1987) 198 -Set baud rate for printer.

Lammers, Charles. "One-liner." (July 1986) 165 — Yin and Yang symbol.

Marino, Frank. "One-liner." (September 1986) 184 - Count vowels in sentence.

Maulick Charles P. "One-liner." (October 1986) 149 — Graphics demo.

McClusky, Lonnie. "One-liner." (August 1986) 140 - Use joystick to move racing car.

McCullough, Erik. "Two-liner." (July 1986) 207 — Basic alarm

McDowell, Jim. "One-liner." (May 1987) 146 -Label print program.

McGinnis, Matthew. "Two-liner." (June 1987) 145

-Sound demo.

Mishra, Vick. "Two-liner." (October 1986) 69 - Hit the white balloons with your arrows. Murphy. Craig. "Two-liner." (June 1987) 45 -

Graphics demo.

Newell. Aaron. "Two-liner." (August 1986) 135 — Electronic dice.

Noyle, Jeff. "One-liner." (August 1986) 150 -Maneuver racer through course.

Pritchett, Steven D. "One-liner." (January 1987) 141 — Light show. Pullen, Walter. "One-liner." (September 1986) 135

— Moving sine wave. Quellhorst, George. "Two-liner." (March 1987) 144

- Screen printer

Rogers, Robert. "One-liner." (October 1986) 147 - Graphics demo.

Rosen, Russ. "One-liner." (December 1986) 126 — Create a cash register.

Ruangchotvit, Chinarut. "One-liner." (July 1986) 64 — Produce integer factors.

Satir, Gregory. "One-liner." (February 1987) 66 —

Convert integer to binary.

Selbee, Keith. "Two-liner." (April 1987) 176 — Create cassette index cards on printer.

Sipos, Anton. "One-liner." (August 1986) 151 -

Disk utility.
Small, Ric. "One-liner." (September 1986) 54 — Shoot-'em-up game.

"Two-liner." (May 1987) 140 — List your BBS numbers.

"Two-liner." (May 1987) 144 — Prevent lock-up if printer not turned on.

Walter, Rick A. "One-liner." (April 1987) 47 — Monthly payments on a loan.

Walton, Byron, "One-liner," (February 1987) 166 - 2 programs to list ASCII from disk.

Weinberg, Rob. "One-liner." (August 1986) 153 -Interesting graphics.
Wells, John T. "One-liner." (February 1987) 143 —

Hexadecimal dump.

Wiedman, Barry. "One-liner." (April 1987) 170 -Vacation planning helper. Wigowsky, Paul. "Two-liner." (July 1986) 168 -

Play tune from popular movie.

Wilkes, Ernest. "One-liner." (February 1987) 138 — Disk utility

#### **OPERATING SYSTEMS - OS9**

Adams, Rick. "Exploring Level II's new features from BASIC09." (June 1987) 154

DEMONSTRATION
Barden, William, Jr. "Sailing off to C." (March 1987) 186 ADDNUM (OS9) PRIMENUM (OS9) Dibble, Peter. "The advantage of processes." (May

1987) 191 — Slicing programs for more memory. EDITOR (OS9) PRINTER (OS9)

Dibble, Peter. "Finding your way with OS-9 level II." (March 1987) 194

Dibble, Peter. "Understanding how OS-9 manages memory." (April 1987) 192

Dodge, Calvin. "Readable equivalents to C." (November 1986) 191

Ewart, Nancy. "Taming the beast: Get comfortable

with OS-9." (January 1987) 160
Goldberg, Stephen B. "OS-9 spooler: print a file as a background task." (December 1986) 183

SPOOLER (OS9)
Ladouceur, Paul. "A pause for thought." (May 1987) 194 — Avoid mistake lock-ups. PAUSE (0.59)

Puckett, Dale L. "Bootstrapping many systems." (March 1987) 196 BINARY (OS9) SPLIT (OS9)

COL (OS9) PROMPT (OS9) MODCRC (OS9) DATE (OS9)

Puckett, Dale L. "A bundle of holiday goodies." (December 1986) 198 DEL (OS9) DNAME (OS9) EXIT (OS9) TIME (OS9)

Puckett, Dale L. "Choices: The reason for

modularity." (July 1986)224

Puckett, Dale L. "Debunking the myth of OS-9 user hostility." (January 1987) 193 FIXTIME (OS9) REBOOT (OS9)

Puckett, Dale L. "Experimenting with RAM disks." (August 1986) 197

Puckett, Dale L. "Frank Hogg sees the light and a Level II report." (February 1987) 190 FILESIZE (OS9) FILEPIR (OS9) DEMOTEST (OS9) UNLÓAD (OS9) SYSGO (OS9)

Puckett, Dale L. "Getting revved up for fall fun.' (October 1986) 196 GOTOXY (OS9) HGRAPH.C (OS9) CLS (OS9) PRINTAT (OS9) TOGGLE (OS9) BOX (OS9) FILLBOX (OS9) PIXSAVER: PIXSHOW (OS9) CALC (OS9) MAKE-SCRATCHPAD (OS9)

Puckett, Dale L. "Good times with OS-9 on the hard disk." (September 1986) 200 Puckett, Dale L. "Looking at blue sky for OS-9

level II." (November 1986) 199 SYSGO (OS9) CLS (OS9) ALTERNAT.CLS (OS9)

Puckett, Dale L. "Rambo takes us all back to the beginning." (April 1987) 197 DRIVEOFF; DRIVEOFF.LISTING IOMAN.PATCH TERMINAL.ASM MDIR.C STRIP.C

Puckett, Dale L. "Setting the stage for OS-9 level II." (May 1987) 196 WIZDRAW (OS9) XMODE (OS9) HEXDUMP (OS9)

Puckett, Dale L. "Shooting for a standard." (June 1987) 162 AT: ATRUN

Warner, Bruce N. "Pipes and filters for the masses." (February 1987) 204

White, Richard A. "BASIC09 on the CoCo 3." (November 1986) 188 SIEVE (OS9)

White, Richard A. "Dealing with variables in BASIC09." (December 1986) 195 White, Richard A. "Getting started with BASIC09."

(June 1987) 158 Zumwalt, Grég L. "Living on Rainbow time." (November 1986) 170 CLOCK1; CLOCK2 (OS9)

#### **PRINTER**

Barden, William, Jr. "The adventure of the too many printers." (September 1986) 193 — Discussion of screen dumps. BASPRINT MI PRINT

Glaberson, Aryeh. "Hebrew writer." (December 1986) 36 - Print Hebrew characters on dot matrix printer. HEBWRITE

Hughes, Blake C. "Printing with style." (May 1987) 93 — Set up for DMP-105 printer. PRNTFONT Jenkins, David R. "The printer that came in from

the code." (May 1987) 108 — Set up the SG-10. SG10SET

King, David. "The DMP-105 takes a bow." (May 1987) 104 — Screen dump. DUMP105

Quellhorst, George. "Pretty little listings, all in a row." (May 1987) 178 — Print listings in two columns. LLISTER
Vaughn, Horace D. "The old-time fix." (November

1986) 55 — Disk fix to May 1986, p.150. SHORTEN

White, Forrest K. "Sized to fit." (May 1987) 91 -Set up for Gemini 10X printer. FORMATTR

#### **QUESTIONS AND ANSWERS**

Downard, Dan. "Downloads." (July 1986) 210 -Upgrade problems; BBS setup; printer problems; joysticks, etc. Downard, Dan. "Downloads." (August 1986) 186

-Disk drive problems; I/O errors; New VDG;

64K explained.
Downard, Dan. "Downloads." (September 1986)
186 — Telewriter problems; OS-9 hints; Ham radio software; EDTASM+ corrections.

Downard, Dan, "Downloads." (October 1986) 194 —

OS-9; Monitors; Printer interface problem, etc. Downard, Dan. "Downloads." (November 1986) 186 — Add Extended BASIC; BBS; Printer;

Multipak, etc.

Downard, Dan. "Downloads." (February 1987) 186 — DSKCON with 128K; Disk directories; Program merging, etc.
Downard, Dan. "Downloads." (March 1987) 184 — Cooling fan; Modem problems; Downloading from Delphi, etc.

Downard, Dan. "Downloads." (April 1987) 189 - RS-232 problems; BBS; Disk I/O; Machine language,

Downard, Dan. "Downloads." (December 1986)

178 — Modem: RGB monitor: Reset: Machine

Downard, Dan. "Downloads." (January 1987) 178 -

Assembly language; RS-232; Screen dump. etc.

language, etc.

Downard, Dan. "Downloads." (May 1987) 188 — Telecommunications; Artifact colors; VIP problem, etc.

Downard, Dan. "Downloads." (June 1987) 152 — Disk drives; Delphi hint; Printer; Multi-Pak, etc. Esposito, Richard E. "Dr. ASCII." (November

1986) 154 — New Rainbow column—INKEY\$:

Printer repair; disk to tape copy, etc.
Esposito, Richard E. "Dr. ASCII." (December 1986) 156 — PCOPY; Bar codes; Merge programs; Hard disk; Screen dump, etc.

Esposito, Richard E. "Dr. ASCII." (Jaunary 1987) 162 - Animation; Printer decision; OS-9; TV interference; hard disk, etc.

Esposito, Richard E. "Dr. ASCII." (February 1987) 178 — Screen colors; Error tracing; CoCo 2 upgrade; File transfer, etc.

Esposito, Richard E. "Dr. ASCII." (March 1987) 164 — New keyboard; ZBUG; DOS

determination; Bar code reader etc. Esposito, Richard E. "Dr. ASCII." (April 1987) 161 -CoCo 3; MC-10; 9600 baud; OS-9 patches, etc. Esposito, Richard E. "Dr. ASCII." (May 1987) 94

Remote terminals; Artifact colors; Spectaculator; Model 100 to CoCo.
Esposito, Richard E. "Dr. ASCII." (June 1987) 90

- Disk drives; RAM disk; Artifact colors; Commodore compatibility, etc.

Goodman, Marty. "CoCo consultations." (August 1986) 178 — Color monitor; 64K upgrade;

Brother printer, etc.
Goodman, Marty. "CoCo consultations."
(September 1986) 178 — Y cable; Multipaks; Serial port; Auto answer modem.

Goodman, Marty. "CoCo consultations." (October 1986) 180 — EPROMs; Keyboard problem; Reserve power; correction to August column.

Goodman, Marty. "CoCo consultations."

(November 1986) 182 — Upgrade CoCo 2; offset ML programs; transfer to MS-DOS, etc. Goodman, Marty. "CoCo consultations."

(December 1986) 102 — Processor chips; Disk controller; Multipak, etc.

Goodman, Marty. "CoCo consultations." (January 1987) 92 - PMODE 4 on CoCo 3; Monitor recommendation; Modem, etc.

Goodman, Marty. "CoCo consultations." (February 1987) 150 — Coco 2 upgrade; Multipak extension; RGB monitors; J&M controller

Goodman, Marty. "CoCo consultations." (March 1987) 150 — CoCo 3; RS-232; Disk drive addition; Null modem cable.

Goodman, Marty. "CoCo consultations." (April 1987) 186 — Print quotation mark; RGB monitor; Atari; CoCo 3, etc.

Goodman, Marty. "CoCo consultations." (May 1987) 174 — Fix disk controller; GIME chip; Monitor adapter; RS-232, etc.

Goodman, Marty. "CoCo consultations." (June 1987) 53 — Disk drives; Joystick interface; 64 color display; Hard disk, etc.

Goodman, Marty. "Getting to the details of the CoCo 3." (October 1986) 104

# **TUTORIAL**

Barden, William, Jr. "The BASIC PSET and graphics display speeds." (December 1986) 190 Bernico, Bill. "The menu selector." (January 1987) 158 MENUTUTR

- Kolar, Joseph. "Creating a review program." (February 1987) 101 — Tutorial with educational example. LANGTRAN
- Kolar, Joseph. "The creative muse: How to dredge up those ideas." (June 1987) 96
- Kolar, Joseph. "Doing the program shuffle." (March 1987) 108 PART 1 ALT: ALT1: ALT2 PROBLEM
- Kolar, Joseph. "The formatting review: MID\$ struts its stuff." (January 1987) 86 MAJUNGA ROMAN ANGLO MODIFIED
- Kolar, Joseph. "Formatting text presentations to suit yourself." (December 1986) 80 DEMO Kolar, Joseph. "Learning how to function in
- BASIC." (October 1986) 77 STRINGS1;
- Kolar, Joseph. "One character space at a time." (November 1986) 46 — Tutorial on LEFTS etc. HEADING HOMEWORK
- Kolar, Joseph. "Real-life uses for the seven-value CIRCLE statement." (May 1987) 77
- Kolar, Joseph. "Using inverse characters." (September 1986) 165 INVERSE STUTTER1; STUTTER2
- Vasconi, Eugene. "Escape from the bug zone." (January 1987) 59

#### UTILITY

- Aftamonow, Ellen; and Aftamonow, George. "Don't string me along." (October 1986) 100 — Track down FC errors
- Atwater, Dale. "Joystick directory." (February 1987) 126 Use joystick to load and execute programs. DIRECTRY
- Babich, Tio. "Settle a score." (August 1986) 83 Use joysticks for scoring. JOYSCORE
- Bjork, Steve. "CoCo mouse: The final chapter." (September 1986) 180
- Bjork, Steve. "CoCo mouse!" (July 1986) 121 -Use a mouse/joystick to give commands. MOUSE LINES DISKTIME
- Bjork, Steve. "What's inside a mouse?" (August 1986) 180 — Correction, October 1986, p. 92. Dahlgren, Glen. "InvisiList." (February 1987) 20
- LOADMASK; LOADER
  Gault, Robert. "Disabling the CoCo 3 color burst
- signal." (April 1987) 64 Harrison, Eric. "Break key disable." (August 1986) 82 BREAKDIS
- Jenkins, David R. "A simple font creator for the Hi-Res screen." (May 1987) 99 — For CoCo 3. FONT
- Kocourek, Thomas: and Rockwell, Kenneth. "Thanks for the memory." (May 1987) 186 — Use the full 64K. NEWBOOTS
- Kooser, Lindsay. "The digital dimension." (June 1987) 38 — Utility for Speech/Sound pak. NUMBTEXT
- Lengel, Dave. "Sound off." (February 1987) 125 KEY BEEP
- Stewart, John. "Echo." (February 1987) 126 -Send screen output to printer. ECHO
- Sundberg, Lynn. "I can see clearly now." (July 1986) 20 - Formatted printer listings of programs. SRLIST
- White, Eric. "Tips on the CoCo 3. (March 1987) 78 COLORCHEK

# WORD PROCESSING

Cook, Bill. "The write stuff." (April 1987) 156 — Word processor on the CoCo 3. WRITER Millard, İan. "Writer-zap." (September 1986) 116 — Utility for VIP writer. WRITRZAP White, Richard A. "CoCo word processing." (July

### **AUTHORS**

Adams, Rick; and Lear, Dale. "Color chart for the CoCo 3." (January 1987) 20 COLOR3 Adams, Rick; and Lear, Dale. "Coming to terms with the CoCo 3." (November 1986) 93 Terminal program for CoCo 3. Corrections to Rainbow on tape/disk January 1987, p.164.

- TERM3BAS:TERM3
- Adams, Rick; and Lear, Dale. "The power of the palette: Graphics on the Color Computer 3." (October 1986) 37 — Corrections to Rainbow on tape/disk January 1987, p.164. TUNNEL WHEEL
- Adams, Rick. "Exploring Level Ms new features from BASIC09." (June 1987) 154 DEMONSTRATION
- Aftamonow, Ellen; and Aftamonow, George. "Don't string me along." (October 1986) 100 -Track down FC errors.

  Allen, David M. "Seal it with a CoCo kiss." (March
- 1987) 80 Make an envelope on printer. ENVÉLOPE
- Andrews, Alan L. "Library labeler." (May 1987) 91 - Prints labels for cassettes. CASBXLBL
- Armstrong, Kerry M. "Transplant surgery for the disk controller." (July 1986) 68 Upgrade the disk controller.
- Arnott, Jo Anna. "Building April's Rainbow." (April 1987) 16 — Introduction to home help issue.
- Atwater, Dale. "Joystick directory." (February 1987) 126 Use joystick to load and execute programs. DIRECTRY
- Augsburg, Cray. "Building an OS-9 support network." (July 1986) 88 News from Delphi. Augsburg, Cray. "Changes make Delphi even easier to use." (March 1987) 92 — Includes a Delphi command card.
- Augsburg, Cray. "Checking into conference." (April 1987)94
- Augsburg, Cray. "Command options in the workspace." (October 1986) 154 — About Delphi
- Augsburg, Cray. "Dissecting the CoCo 3." (October 1986)94 Augsburg, Cray. "A follow-up on SIG mail."
- (December 1986) 169
- Augsburg, Cray. "Help is just a SIG away." (May 1987)120
- Augsburg, Cray. "Help one, help all." (June 1987)
- Augsburg, Cray. "A look at workspace." (September 1986) 172 — Delphi hints.
  Augsburg, Cray. "The RAINBOWfest reporter."
- (February 1987) 83 Princeton, October 1986. Augsburg, Cray. "A review of the personal settings profile." (January 1987) 168
- Augsburg, Cray. "SIG changes include new selections, new sections." (February 1987) 68 -Delphi information.
- Augsburg, Cray. "Using mail in the SIG." (November 1986) 102 - Delphi news.
- Augsburg, Cray. "Using the CoCo SIG." (August 1986)174
- Babich, Tio. "Settle a score." (August 1986) 83 Use joysticks for scoring. JOYSCORE Bailey, Eric. "Graphically speaking: The artistic
- BBS." (November 1986) 108 Correction, February 1987, p. 160. LRWSEDIT
- Barden, William, Jr. "The adventure of the too many printers." (September 1986) 193 Discussion of screen dumps. BASPRINT **MLPRINT**
- Barden, William, Jr. "The BASIC PSET and graphics display speeds." (December 1986) 190 Barden, William, Jr. "How does the CoCo stack up?" (August 1986) 90 — Rating of CoCo with other micros
- Barden, William, Jr. "Interfacing tricks for BASIC and Assembly Language." (July 1986) 216 WORDCNT1; WORDCNT2 EXPLODE1; EXPLODE2
- Barden, William, Jr. "More interfacing tricks for Assembly Language and BASIC." (August 1986) 188 CHÁRGEŇ
- Barden, William, Jr. "More on PSET, PRESET and graphics speed." (January 1987) 181 LINEBAS; LINEBIN RADARBAS; RADARBIN
- Barden, William, Jr. "Presenting a quiz for Color Computer Assembly Language." (November 1986)192
- Barden, William, Jr. "Sailing off to C." (March 1987) 186 ADDNUM (OS9) PRIMENUM (OS9) Barnett, Calvin. "One-liner." (June 1987) 144 -Graphics demo.
- Baumgardt, Kent. "Explosive word fun." (April 1987) 59 — Hangman game WORDGUES

- Baylie, Tom. "One-liner." (September 1986) 149 -Average out grades.
- Beck, John. "One-liner." (January 1987) 144 Graphics demo.
- Behrmann, Darrel. "Alien raiders blitz." (November 1986)52 RAIDERS
- Bell, Bruce K. "Finger sprints." (January 1987) 26

   Typing practice. HOME ROW
- Bell, Bruce K. "The eyes have it." (January 1987) 52 — Visual memory games, DISCRIM Bell, Bruce K. "Hint." (June 1987) 81 —
- Modification to Discrimination (January 1987 p.52).
- Bell, Bruce K. "Interiors by CoCo." (May 1987) 58 - Graphics editor that allows one to draw and design floor plans. ARCHIE; ARC
- Bennett, Jim. "The vocabulary tightrope." (July 1986) 188 — Match synonyms. TITEROPE Bentley, Jonathan. "Two-liner." (March 1987) 141
- Type on computer, immediate output to printer
- Benway, Patrick J. "Space attack." (October 1986) 113 — Demonstrate graphics commands. RAID Berenz. Michael. "The boogie box." (October
- 1986) 113 Print jam box on printer. RADIO Bernico, Bill. "The case of the shifty-eyed
- animation tutor." (January 1987) 82 FACE ONE; FACE TWO; FACETEST
- Bernico, Bill. "Colors of the spectrum." (October 1986) 112 — Combine colors on screen. SPECTRUM
- Bernico, Bill. "Double whammy." (October 1986) 101 — Based on dice game, Skunk. WHAMMY Bernico, Bill. "Get chart smart with mileage
- mapper." (May 1987) 30 Calculate distances on a map. DISTANCE
- Bernico, Bill. "Laying down the chips." (August 1986) 80 — Bingo caller. BINGO
- Bernico, Bill. "The menu selector." (January 1987) 158 MENUTUTR
- Bernico, Bill. "Planning ahead." (February 1987) 127 — How long to save up for a purchase. SAVINFOR
- Bernico, Bill. "Sgt, CoCo's only starters club band." (June 1987) 44 Guitar help.
- STRUMMER
  Bernico, Bill. "Songwriter's word rhymer." (January 1987) 32 — Add endings to words. RHYMÉR
- Bernico, Bill. "A Thanksgiving pizza party." (November 1986) 28 PIZZA
- Bernico, Bill. "Up with the beat." (June 1987) 80 A metronome. METRNOME
- Besherse, Bernie. "Hint." (April 1987) 147 Increase the line delay if printer communication problems
- Biasillo, Keith. "One-liner." (January 1987) 136 -Draw a grid on the screen. Biggs, Brian. "Where is it?" (December 1986) 93 —
- Disc label program. LABELER Billen, David C. "CoCo bright." (February 1987) 49 - Give colored text on screen. BOOT
- CHARLOAD PROGLOAD DEFINE Bisbee, Daniel. "One-liner." (September 1986) 141
- PRINT demo.
- Bjork, Steve. "CoCo mouse: The final chapter." (September 1986) 180 Bjork, Steve. "CoCo mouse!" (July 1986) 121 —
- Use a mouse/joystick to give commands. MOUSE LINES DISKTIME
- Bjork, Steve. "The Color Computer 3: A programmer's dream." (September 1986) 26
- Bjork, Steve. "What's inside a mouse?" (August 1986) 180 — Correction, October 1986, p. 92. Blound, Andy. "Masonry madness." (August 1986) 83 - Lo-Res puzzle game. BRICKS
- Blyn, Steve. "Developing logical reasoning skills." (July 1986) 132 — Development of reasoning powers. TRUEFALS
- Blyn, Steve. "Exploring the card catalog." (August 1986) 94 — Training in library skills. CARD LOG Blyn, Steve. "A flexible program for teaching line
- graphs." (April 1987) 46 GRAPHS
  Blyn, Steve. "It's back to basics with an adjective review." (October 1986) 152 ADJECTIV
- Blyn, Steve. "Learning about scales: Key to understanding maps." (May 1987) 112 **MAPSCALE**

- Blyn, Steve. "Let the little ones learn by counting on CoCo." (January 1987) 76 CARCOUNT
  Blyn, Steve. "Making the Dewey Decimal system
- user-friendly." (March 1987) 74 DEWEY
- Blyn, Steve. "Mystery word puzzles." (September 1986) 74 Help learn spelling or vocabulary lists. SPELPUZL
- Blyn, Steve. "Presidents take Precedence." (February 1987) 46 — Presidential quiz. PRESIDNTS
- Blyn, Steve. "A square deal for teaching math." (June 1987) 47 MATHPLAY
- Blyn, Steve. "Understanding the computer with binary dice conversions." (December 1986) 88 BINARY
- Blyn, Steve. "Word fun: The three bears come of
- age." /November 1986) 74 FUNWORDS
  Bolle, Francois. "One-liner." (September 1986) 134 Looks and sounds like rain.
- Borger, J. E. "Auto economy." (April 1987) 73 Figure out miles/gallon. MGP
- Bouchard, Roger. "Date tracking through the ages." (January 1987) 46 — Generate calendars for any year. Correction, April 1987, p.128. CALENDAR; CALMOD
- Branigan, Arron. "Fortune wheel." (August 1986) 156 — Modification, December 1986, p.50, and March 1987, p.182. WHEEL CREATOR Branigan, Arron. "Go tell it on the CoCo."
- (December 1986) 66 Christmas music and graphics. WINTÉR
- Breznai. Mark M. "One-liner." (September 1986) 132 — Typing practice.
- Brimner, Robert. "Joker poker." (March 1987) 99
- Correction, May 1987, p. 128. POKER Brown, Chris W. "Get the picture." (February 1987) 88 — Graphic printout directory. GRADIR
- Brunotte, Benjamin W. "This one's a puzzler." (May 1987) 152 — Construct word search puzzles. WDSEARCH
- Buck, Tim. "Two-liner." (August 1986) 148 Pick me is rather interesting - you'll have to type it in.
- Burke, Val. "Singing with the bird." (June 1987) 20 - A tribute to jazz legend Charlie Parker. YARDBIRD
- Buttacavoli, Paul D. "CoCo 3 gets you over a barrel." (March 1987) 52 — Similar to Rubik's cube. BARREL
- Butterworth, James, III. "One-liner." (October 1986) 148 — Draw a rainbow.
- Camirand, Rene. "Save the astronauts!" (September 1986) 33 ASTRONAT
- Camp, Mark S. "Pick and choose from the music menu." (June 1987) 49 - Menu selection for MUSIC+. MUSXMÉNU HYMN
- Carrigan, Bill. "It ail adds up." (April 1987) 90 -Convert computer to calculator. COCOCALC Carroll, Gerald. "One-liner." (March 1987) 143
- Exchange rate conversion. Cassel, Randy. "Graphics trio." (April 1987) 66 -
- Graphics demos. SPINNER CIRCLES IPOPPER Coenen, Matthew. "Two-liner." (June 1987) 143 Sound demo.
- Collicot, John. "Cipher fun for CoCo kids." (April 1987) 166 ADDITION
- Collins, Dale R. "Life of the party for \$200, please." (March 1987) 58 — Similar to TV's Jeopardy. Correction, May 1987, p.128. GPARTY
- Cook, Bill. "The adventure processor." (August 1986) 26 — Help in writing adventure games. Correction. November 1986, p.78. ADV-PRO
- Cook, Bill. "The write stuff." (April 1987) 156 Word processor on the CoCo 3. WRITER
- Cooke, H. D. "Hint." (April 1987) 142 Conversion from hex to decimal to octal.
- Cooney, Mike. "Two-liner." (September 1986) 137 - Horse race.
- Coty, Curt. "Let the laser battle begin." (January 1987)36 - Correction, May 1987, p.128. DEF
- Crosby, Mark. "The evolving REMOTE." (November 1986) 70 REMOT232
- Cross, David. "One-liner." (December 1986) 143 -Display characters in ROM/RAM.
- Curtis, H. Allen. "Festive CoCo: Ready to PAINT the town." (July 1986) 46 - Expanded PAINT

- command. Correction, February 1987, p. 160. PAINT 1 TO PAINT 4
- Curtis, H. Allen. "Our highfalutin' feline does a CoCo3 fandango." (May 1987) 52 — Dancing CoCo cat. CATDANCE; RECTANGL
- Curtis, H. Allen. "PUT speedy GETzales to work." (November 1986) 158 GETPUT1 TO GETPUT4 Dahlgren, Glen. "InvisiList." (February 1987) 20 LOADMASK; LOADER
- Daniels, Randy. "Hint." (December 1986) 96 -DMP-105 large letters.
- Dash, Raju. "The evil tyrant star lord." (August 1986) 58 STARLORD
- David, Eddie. "Two-liner." (March 1987) 143 -Print out a bill of sale.
- Deich, Donald E. "Hint." (February 1987) 183 —
- Cassette loading tip.
  Demaree, Jack. "Hint." (February 1987) 142 Inexpensive bulk tape eraser.
- Derby, Kevin. "Two-liner." (August 1986) (September 1986) 54 — Game with joysticks.
- Dettmann, Harvey. "The bookkeeper's helper." (March 1987) 97 PAYROLL
- Devlin, Paul. "Hint." (June 1987) 164 How to lock the keyboard.
- Dibble, Peter. "The advantage of processes." (May 1987) 191 Slicing programs for more memory. EDITOR (OS9) PRINTER (OS9)
- Dibble, Peter. "Finding your way with OS-9 level II." (March 1987) 194
- Dibble, Peter. "Understanding how OS-9 manages memory." (April 1987) 192

  Dick, Brien. "Which Nym is Witch?" (August 1986)
- 40 Educational game. Correction, October 1986, p. 92. NYMATCH
- Dillon, John. "Hint." (June 1987) 52 Put in sound prompts.
- DiStefano, Tony. "The CoCo is music to the ears." (February 1987) 176 — Digital to analog converter.
- DiStefano, Tony. "An expandable relay project." (June 1987)84
- DiStefano, Tony. "The hardware project basics review." (May 1987) 156
- DiStefano, Tony. "Investigating the PIA." (July 7986.1108
- DiStefano, Tony. "Let's take a look at the CoCo2B." (September 1986) 125
- DiStefano, Tony. "More on the new video display generator." (November 1986) 88 DiStefano, Tony. "The No-switch VDG."
- (December 1986) 98
- DiStefano, Tony. "Some hardware fixes for the video display generator." (October 1986) 161
- DiStefano, Tony. "Taking a look at how monitors work." (January 1987) 94 — Correction, March 1987, p.182.
- DiStefano, Tony. "Timing and the SAM chip." (August 1986) 101
- DiStefano, Tony. "Transistor buffers for stereo application." (April 1987) 88 DiZazzo, Ernie. "CoCo can play cupid. too."
- (February 1987) 36 Make a Valentine's card. LOVECARD
- Dodge, Calvin. "Readable equivalents to C.' (November 1986) 191
- Downard, Dan. "Downloads." (July 1986) 210 -Upgrade problems; BBS setup; printer problems; joysticks, etc.
- Downard, Dan. "Downloads." (August 1986) 186 Disk drive problems; I/O errors; New VDG; 64K explained.
  Downard, Dan. "Downloads." (September 1986)
- 186 Telewriter problems; OS-9 hints; Ham
- radio software; EDTASM+ corrections.

  Downard, Dan. "Downloads." (October 1986) 194 -OS-9; Monitors; Printer interface problem, etc.
- Downard, Dan. "Downloads." (November 1986) 186 Add Extended BASIC; BBS; Printer; Multipak, etc.
- Downard, Dan. "Downloads." (December 1986) 178 - Modem; RGB monitor; Reset; Machine language, etc.
- Downard, Dan. "Downloads." (January 1987) 178 -Assembly language; RS-232; Screen dump, etc.
- Downard, Dan. "Downloads." (February 1987) 186

- DSKCON with 128K: Disk directories:
- Program merging, etc.
  Downard, Dan. "Downloads." (March 1987) 184 Cooling fan; Modem problems; Downloading from Delphi, etc.
- Downard, Dan. "Downloads." (April 1987) 189 RS-232 problems; BBS; Disk I/O; Machine language,
- Downard, Dan. "Downloads." (May 1987) 188 -Telecommunicatons; Artifact colors; VIP problem, etc.
- Downard, Dan. "Downloads." (June 1987) 152 -Disk drives: Delphi hint: Printer: Multi-Pak. etc. Drennan, Allen. "Bombs away!" (October 1986) 18 **ROMBAWAY**
- Drennan, Allen. "A Visit to the past." (January 1987) 28 — New version of Breakout. BACKSTAB
- Duerig, Jean; and Duerig, Al. "The goblins'll getcha if you don't watch out!" (October 1986) 26 HALOWEEN
- Duncan, Richard. "CoBBS message editor." (November 1986) 80 SMH
- Edmonds, Philip. "Two-liner." (July 1986) 150 Draw line between two points.
- Ellers, Ed. "What's an analog RGB monitor anyway." (September 1986) 27 Esposito, Richard E. "Dr. ASCII." (November 1986) 154 New Rainbow column—INKEY\$;
- printer repair: disk to tape copy, etc. Esposito, Richard E. "Dr. ASCII." (December 1986) 156 PCOPY; Bar codes; Merge programs; Hard disk; Screen dump, etc.
- Esposito, Richard E. "Dr. ASCII." (January 1987) 162 - Animation; Printer decision; OS-9; TV interference; hard disk, etc.
- Esposito, Richard E. "Dr. ASCII." (February 1987) 178 — Screen colors; Error tracing; CoCo 2 upgrade; File transfer, etc.
- Esposito, Richard E. "Dr. ASCII." (March 1987) 164 - New keyboard; ZBUG; DOS determination; Bar code reader etc.
- Esposito, Richard E. "Dr. ASCII." (April 1987) 161 -
- CoCo 3; MC-10; 9600 baud; OS-9 patches, etc.
  Esposito, Richard E. "Dr. ASCII." (May 1987) 94
  Remote terminals; Artifact colors; Spectaculator;
- Model 100 to CoCo. Esposito, Richard E. "Dr. ASCII." (June 1987) 90 Disk drives; RAM disk; Artifact colors; Commodore compatibility, etc.
- Evans, Mark. "See how your stocks stack up." (March 1987) 122 STOCK GRAPH
- Ewart, Nancy. "Taming the beast: Get comfortable with OS-9." (January 1987) 160
  Falk, Lawrence C. "CoCo better again?"
- Impressions of the new CoCo 3. (September 1986)18
- Falk, Lawrence C. "Print#-2." (July 1986) 12 Fifth anniversary memories. Falk, Lawrence C. "Print#-2." (August 1986) 12 —
- Come visit Falsoft; Chicago RAINBOWfest. Falk, Lawrence C. "Print#-2." (September 1986) 12
- All about CoCo 3. Falk, Lawrence C. "Print#-2." (October 1986) 12 -
- Comments on CoCo 3. Falk, Lawrence C. "Print#-2." (November 1986) 12
- Tandy's got IT.' Falk, Lawrence C. "Print#-2." (December 1986) 12 -CoCo 3 comments.
- Falk, Lawrence C. "Print#-2." (January 1987) 12 -Comments on availability of CoCo 3 software.
- Falk, Lawrence C. "Print#-2." (February 1987) 12 - How to promote the CoCo.
- Falk, Lawrence C. "Print#-2." (March 1987) 12 -
- Availability of software for CoCo 3. Falk, Lawrence C. "Print#-2." (April 1987) 12 —
- Comments about software piracy. Falk, Lawrence C. "Print#-2." (May 1987) 12 Comments about adventure contest.
- Falk, Lawrence C. "Print#-2." (June 1987) 12 -Discussion of Chicago RAINBOWfest. Farris, Charles. "Mission: hold the bridge."
- (December 1986) 29 MORTAR Ferullo, Joseph. "One-liner." (December 1986) 199
- Calculate equivalent resistance.

- Forbes, Jason. "Hint." (February 1987) 92 CoCo 3 custom colors.
- Fortin, Ilene. "From our house to yours."

  (December 1986) 62 Dot matrix Christmas cards. CARDSHOP
- Foster, Leslie A. "The fifth year of Rainbow." (July 1986) 193 Index July 1985 June 1986
- 1986) 193 Index July 1985 June 1986. Frerking, Anthony. "One-liner." (April 1987) 148 — Calculate grade percentages.
- Calculate grade percentages.
  Fugh, John, Jr. "Who's on first?" (April 1987) 70 —
  Produce baseball score card. BASEBALL
- Gagnon, Marc. "Hint." (April 1987) 147 —
  Interesting addresses in the CoCo 3.
- Galibois, Michel. "Paramission: Fast and dangerous!" (May 1987) 114 PARAMISS
- Gallagher, John. "Payday pal." (March 1987) 77 -Calculate pay increases. WAGECALC Gault, Robert. "Disabling the CoCo 3 color burst
- Gault, Robert. "Disabling the CoCo 3 color burst signal." (April 1987) 64
- German, J. D. "Up on the rooftop." (December 1986) 124 Christmas theme game. SANTA
- Glaberson, Aryeh. "Hebrew writer." (December 1986) 36 — Print Hebrew characters on dot matrix printer. HEBWRITE
- Goicuria, Eddie. "Two-liner." (June 1987) 145 Music demo.
- Goldberg, Stephen B. "OS-9 spooler: print a file as a background task." (December 1986) 183 SPOOLER (OS9)
- Goldwyn, Ira. "Perplexing picture puzzles."
  (September 1986) 108 SCRAMBLE LATECOCO
- Golias, Ruth. "A public service message."
  (February 1987) 124 Graphics demo on safety theme. MESSAGE
- Gonce, Burt, Jr. "CoCo yields." (April 1987) 74 Calculate amount of cement needed to fill a form. CEMENT
- Goodman, Marty. "CoCo consultations." *(August 1986)* 178 Color monitor: 64K upgrade: Brother printer, etc.
- Goodman, Marty. "CoCo consultations." (September 1986) 178 — Y cable; Multipaks; Serial port; Auto answer modem.
- Goodman, Marty. "CoCo consultations." (October 1986) 180 EPROMs; keyboard problem; Reserve power; correction to August column.
- Goodman, Marty. "CoCo consultations."

  (November 1986) 182 Upgrade CoCo 2; offset ML programs; transfer to MS-DOS, etc.
- Goodman, Marty. "CoCo consultations."

  (December 1986) 102 Processor chips; Disk controller; Multipak, etc.
- Goodman, Marty. "CoCo consultations." (January 1987) 92 PMODE 4 on CoCo 3; Monitor recommendation; Modem, etc.
- Goodman, Marty: "CoCo consultations." (February 1987) 150 Coco 2 upgrade; Multipak extension; RGB monitors; J&M controller fix. etc.
- Goodman, Marty. "CoCo consultations." (March 1987) 150 CoCo 3; RS-232; Disk drive addition; Null modem cable.
- Goodman, Marty. "CoCo consultations." (April 1987) 186 — Print quotation mark; RGB monitor; Atari; CoCo 3, etc.
- Goodman, Marty. "CoCo consultations." (May 1987) 174 — Fix disk controller; GIME chip; Monitor adapter; RS-232, etc.
- Goodman, Marty. "CoCo consultations." (June 1987) 53 Disk drives; Joystick interface; 64 color display; Hard disk, etc.
- Goodman, Marty. "Database report." (September 1986) 173 Delphi news.
- Goodman, Marty. "Fixing CoCo and Multipak power supplies." (December 1986) 54
- Goodman, Marty. "Getting to the details of the CoCo 3." (October 1986) 104
- Goodman, Marty. "Inside the CoCo 3." (October 1986)90
- Goodman, Marty. "A PAL for your CoCo 3." (January 1987) 98 Upgrade Multi-Pak Interface. See note February 1987, p. 160.
- Goodman, Marty. "A recipe to fix CoCo fried chips." (August 1986) 24 See retraction October 1986, p. 92.
- Goodman, Marty. "Remote control CoCo." (July 1986) 71 Make a detachable keyboard.

- Goodman, Marty. "RTTY for the Color Computer." (November 1986) 36 RTTY
- Goodman, Marty. "The shock absorber." (October 1986) 158 Protect from power spikes.
- Goodman, Marty. "Transfer CoCo text files to MS-DOS disks." (July 1986) 176 MS19GEN; MSFORMAT ADOLF COC02MS
- Goodman, Richard. "One-liner." (October 1986) 143 — Calculate pi.
- Goshorn, Bruce W. "The quick joystick fix."

  (August 1986) 116 How to modify the deluxe joystick.
- Green, Robert A. "Check it out." (March 1987) 20
   Check writer. CHEKRITR
- Greene, Bobby. "Two-liner." (May 1987) 198 Print out PRINT work sheets.
- Griffard, Robert. "Banishing the freezer burn blues." (April 1987) 37 Freezer inventory control. FREEZER
- Haas, David V. "The budget master's companion." (March 1987) 172 BUDGET
- Halko, Steve. "One-liner." (October 1986) 153 Graphics demo.
- Hall, Mike. "One-liner." (October 1986) 153 Flip a picture upside down.
- Harper, Jeff. "Graph-o-matic." (September 1986) 82 — Plot 3-D functions. 3DFNCPLT
- Harper, Jeff. "One-liner." (December 1986) 139 Graphics and sound demo.
- Harrison, Eric. "Break key disable." (August 1986) 82 BREAKDIS
- Haughey, Stephen A. "Hint." (February 1987) 144

   Inexpensive racks for computer equipment.
- Haverstock, Mark. "The care and feeding of a CoCo club." (January 1987) 67
- Haverstock, Mark. "The old switcheroo." (August 1986)108- Joystick port switchbox. Correction, October 1986, p. 92.
- Hazard, Matt. "Two-liner." (May 1987) 106 Make up a scrambled word.
- Herr, Darin. "CoCoDraw concoctions." (October 1986)59 MENUGEN COCODRAW
- 1986)59 MENUGEN COCODRAW
  Hiatt, Stan. "Two-liner." (July 1986) 182 —
  Simulate Etch-a-Sketch.
- Hoggins, Jay R. "Vigilance is vital for victory over vicious Vic." (July 1986) 74 VIC
- vicious Vic." (July 1986) 74 VIC Hood, Thomas. "Counting with Caesar." (April 1987) 172 — Roman numeral drill. ROMANS
- Huang, David. "Calling to mind." (August 1986) 81
   Memory game. REPEATIT
- Hughes, Blake C. "One-liner." (July 1986) 157 —
  Drawface of clock
- Hughes, Blake C. "Printing with style." (May 1987) 93 — Set up for DMP-105 printer. PRNTFONT
- Hutchinson, David. "Hand-me-downs." (February 1987)120 HAND OFF
- Hyre, Leonard. "The key to success." (March 1987)66 — Typing tutor. Correction, May 1987, p.128. COCOTYPE
- Jenkins, David R. "The printer that came in from the code." (May 1987) 108 Set up the SG-10.
- Jenkins, David R. "A simple font creator for the Hi-Res screen." (May 1987) 99 — For CoCo 3. FONT GEN
- Jensen, Paul. "The evictor." (July 1986) 62
- Johnson, David. "Two-liner." (May 1987) 79 Print labels for disks.
- Johnson, Timothy. "One-liner." (December 1986)

  144 Calculate antenna lengths for a HAM.
- Jones, Edward. "Two-tone text." (May 1987) 89 Experiment with different combinations. COLORS
- Jones, Tim. "The eye of the tiger." (August 1986) 122 — Boxing game. BOXING
- Jones, Tudor P. "The Solitary endeavor." (December 1986) 76 — Solitaire on the CoCo. Correction, March 1987, p.182. SOLTAIRE
- Jorgenson, Michael N. "Take command of CoCo 3 drives." (February 1987) 94 Disk utility for the CoCo 3. DU-3
- Josue Vigil, Julian. "New Mexican folk dances." (June 1987) 76 FOLKSONG
- Kenny, Keiran. "The electronic marquee." (September 1986) 41 DISPLAY

- Kenny, Keiran. "It figures." (March 1987) 78 Calculate total of list of figures. TOTAL
- Kenny, Keiran. "Mastering the gates." (August 1986) 79 GATES
- Kenny, Keiran. "One-liner." (February 1987) 138 Miniature monitor program.
- Kenny, Keiran. "PEEKasso prints." (January 1987) 30 — Drawing program PEEKASSO
- Kenny, Keiran. "Rational thinking." (September 1986) 38 Conversion of fractions to ratios and percentages. RATIOS
- Keyes, Chris. "Air rescue." (June 1987) 26 Balloon attack game. POKE1; POKE2
- Kim, Joon Y. "One-liner." (May 1987) 28 Print out disk directory.
- Kimmel, Tony. "One-liner." (July 1986) 155 Reverse 4 digit number.
- King, David. "The DMP-105 takes a bow." (May 1987) 104 Screen dump. DUMP105
- Knoppow, Jim. "Hint." (November 1986) 54 Alter the cursor.
- Kocourek, Thomas; and Rockwell, Kenneth.
  "Thanks for the memory." (May 1987) 186 Use
  the full 64K. NEWBOOTS
- Kolar, Joseph. "Creating a review program."

  (February 1987) 101 Tutorial with educational example. LANGTRAN
- Kolar, Joseph. "The creative muse: How to dredge up those ideas." (June 1987) 96
- Kolar, Joseph. "Doing the program shuffle." (March 1987) 108 PART 1 ALT; ALT1; ALT2 PROBLEM
- Kolar, Joseph. "Exploring CoCo graphics." (April 1987) 112
- Kolar, Joseph. "The formatting review: MID\$ struts its stuff." (January 1987) 86 MAJUNGA ROMAN ANGLO MODIFIED
- Kolar, Joseph. "Formatting text presentations to suit yourself." (December 1986) 80 DEMO
- Kolar, Joseph. "Learning how to function in BASIC." (October 1986) 11 STRINGS1; STRINGS2
- Kolar, Joseph. "One character space at a time."
  (November 1986) 46 Tutorial on LEFT\$ etc.
  HEADING HOMEWORK
- HEADING HOMEWORK

  Kolar, Joseph. "Real-life uses for the seven-value CIRCLE statement." (May 1987) 77
- Kolar, Joseph. "Translation sensation." (July 1986)93 LANGTUTR
- Kolar, Joseph. "Uncomplicating translating."
  (August 1986) 48 Second part of translation demo. LANGTUT1; LANGTUT2
- Kolar, Joseph. "Using inverse characters."
  (September 1986) 165 INVERSE STUTTER1;
  STITTER2
- Kooser, Lindsay. "The digital dimension." (June 1987) 38 — Utility for Speech/Sound pak. NUMBTEXT
- Kressman, Robie. "Astronomer's heaven." (January 1987) 30 — Display the night sky. BIGDIPPR
- Kromeke, Michael B. "Rattle rattle thunder clatter boom boom boom." (September 1986) 49 — A model of a car engine. ENGINE
- Kromeke, Michael B. "Tricks of the trade." (March 1987) 76 — Puzzle type game SWITCH
- Kromeke, Michael B. "Two-liner." (July 1986) 232

   Print out a calendar.
- Kromeke, Michael. "Two-liner." (May 1987) 198 Set baud rate for printer.
- Kyte, Ted. "That's the way the ball bounces." (May 1987) 88 CoCo 3 graphics demo. BALLDEMO Kyte, Ted. "Two CoCo BBS system." (November 1986)86
- LaBonville, Helen. "Halloween foolery." (October 1986) 108 Talking pumpkin PUMPKIN
- Ladouceur, Paul. "A pause for thought." (May 1987) 194 — Avoid mistake lock-ups. PAUSE (OS9)
- Lake, Robert C. "Ma Bell gets personalized." (May 1987) 74 Vanity phone numbers for fun. VANIPHON
- Lammers, Charles. "One-liner." (July 1986) 165 Yin and Yang symbol. Large, Donald. "Grocery." (April 1987) 68 —Make
- grocery lists. GROCERY (April 1987) 68 Make

- Laun. Robert E. "Enter the fifth dimension." (April 1987) 20 — Five dimensional arrays explained FIFTHDIM
- Law, Greg. "Hint." (April 1987) 47 Rainbow CHEK plus fix. Lear, Dale. "There's evil doings afoot at the Hotel
- CoCo." (February 1987) 27 SETUP (OS9) HOTEL (OS9)
- Lengel, Dave. "Sound off." (February 1987) 125
- Lewis, Emmett J. "Presenting the smarter-thanaverage printer buffer." (May 1987) 160 PRINTBUF
- March, Keith. "Recipe printer." (April 1987) 72 RECIPE
- Marino, Frank. "One-liner." (September 1986) 184 Count vowels in sentence.

  Matthews, Becky F. "A cyclo-delic palette."
- (February 1987) 60 Graphics demo for CoCo 3. CYCLDRAW
- Matthews, Becky F. "O, Tannenbaum." (December 1986) 116 — Christmas graphics. TRIMTREE
- Mattia, Frank. "Hint." (March 1987) 171 Use cassette port to get sound to a monitor.
- Maulick, Charles P. "One-liner." (October 1986) 149 — Graphics demo.
- Mayeux, Ann B. "Portraits by BASIC." (October 7986,149 DRAWFACE
- McClusky, Lonnie. "One-liner." (August 1986) 140 - Use joystick to move racing car.
- McCullough, Erik. "Two-liner." (July 1986) 207 Basic alarm.
- McDowell, Jim. "One-liner." (May 1987) 146 -Label print program.
- McGinnis, Matthew. "Two-liner." (June 1987) 145 Sound demo.
- McGrath, Dick. "The envelope please." (November 1986) 125 — Crossword puzzle contest winner,
- Mcintosh, Tim. "Do-it-yourself video output board." (September 1986) 171 — Correction, November 1986, p.78.
- Merryman, Robert C. "The super switcher." (November 1986) 168
- Meyers, Peter. "The menace of the SandWorm." (August 1986) 18 SANDWORM
- Millard, Ian. "Writer-zap." (September 1986) 116 Utility for VIP writer. WRITRZAP Miller, Eric; and Gavriluk, Erik. "Long distance draughts." (November 1986) 114 Checkers by modem. MCLOAD; MCDRAW
- Miller, Ralph D. "A matter of principal." (March 1987) 82 — Print amortization schedules. **AMORTIZE**
- Mills, David. "Hint." (May 1987) 125 RGB shortcut.
- Mishra, Vick. "Two-liner." (October 1986) 69 Hit the white balloons with your arrows.
- Montowski, Robert C. "July fashion forecast: Classic clothes by CoCo." (July 1986) 115 Make iron-on transfers. BOOTFLIP FLIP-L2R; FI IPPOKE
- Montowski, Robert C. "Picture perfect graphics commands." (March 1987) 156 - For OS-9 only. GSAVE (OS9) GLOAD (OS9) MAKEPIX (OS9)
- Mueller, John. E. "Uncovering the MIDI section." (June 1987) 36 — Digital interface for CoCo music. Murphy, Craig. "Two-liner." (June 1987) 45 -
- Graphics demo. Musumeci, John. "Checks and balances." (April
- 1987) 75 Check book balancer CHECKS Nash, Jon. "Hint." (February 1987) 72 — Use cassette relay command to make interesting sounds
- Nellis, Michael. "Hint." (May 1987) 97 Cassette
- Nelson, Mark. "Fast relief for tape-loading headaches." (February 1987) 182 — Correction, June 1987, p.116. TAPE DOC
- Newell, Aaron. "Two-liner." (August 1986) 135 Electronic dice.
- Nickel, Harold. "The CoCo composer." (June 1987) 114 — Play the CoCo like a two-level orgań. PIANO
- Noble, James A. "Battlin' blue Bert." (April 1987) 105 BLUEBERT
- Norton, Dennis. "Chronologist in CoCo land." (Sep-

- tember 1986) 58 Teach children how to read a clock. CLOCK
- Noyle, Jeff. "One-liner." (August 1986) 150 -Maneuver racer through course.
- Parker, Jeffrey. "The RAINBOWfest reporter." (October 1986) 83 Chicago, May 23-25, 1986.
- Perevosnik, Joe. "Double duty." (*May 1987*) 92 Print hard copies of disk directory. DISK DIR Petit, Laura; and Petit, Chris. "Hippity hoppity down the bunny trail." (April 1987) 99 – discrimination game. EASTER
- Phillips, Jim A. "The private accounting wizard."

  (March 1987) 26 Keep track of personal records. ACCOUNT TAPEUSER
- Plaster, Gip W., II. "Sound off," (June 1987) 81 -Music and sound effects. SOUNDOFF
- Piatt, Joseph D. "The sweet strains of CoCo." (June 1987) 94 Upgrade to Music+. MUSIC+TR OLD100TH HOWGREAT JESU JOY
- Plog, Michael. "Computers and our English vocabulary." (December 1986) 173
- Plog, Michael. "A discussion about sexism in the computer industry." (October 1986) 164
- Plog, Michael. "Do teachers like computers?" (February 1987)65
- Plog, Michael. "Finding resources for computer learning." (March 1987) 90
- Plog, Michael. "The 'hidden' computers." (August 1986) 97 — Use of the CoCo in videotape editing.
- Plog, Michael. "The most important educators of all." (November 1986) 166
- Plog, Michael. "Programming the LOGO turtle: Studies in learning transfer." (April 1987) 86 Plog, Michael. "The question of assessment." (January 1987) 176
- Plog, Michael. "The role of teachers in educational software development." (June 1987) 32
- Plog, Michael. "S-P analysis: Comparing the curves." (May 1987) 82 — Aid in curriculum improvements.
- Plog, Michael. "Special education and the computer." (July 1986) 135
- Plog, Michael. "Tandy grants and the status of educational computers." (September 1986) 76 Polsz, Steven R. "Optimum animation." (October
- 1986)116 Popyack, Len. "Hamming it up." (November 1986)
- 43 Packet radio discussion. Powers, Courtney. "Instant graphics and Hogs in
- Space." (February 1987) 106 Correction, May 1987, p.128. HOĞSPACE
- Powers, Ron. "CoCo testmaker revisited." (September 1986) 160 — Make multiple choice tests updated (from Sept. 1985, p.30). TESTMAKE
- Powers, Ron. "The teacher's pet." (September 1986) 47 — Computerized grade book. GRADCALC.
- Pritchett, Steven D. "One-liner." (January 1987) 141 - Light show.
- Puckett, Dale L. "Bootstrapping many systems." (March 1987) 196 BINARY (OS9) SPLIT (OS9) COL (OS9) PROMPT (OS9) MODCRC (OS9) DATE (OS9)
- Puckett, Dale L. "A bundle of holiday goodies." (December 1986) 198 DEL (OS9) DNAME (OS9) EXIT(OS9) TIME (OS9)
- Puckett, Dale L. "Choices: The reason for
- modularity." (July 19861 224

  Puckett, Dale L. "Debunking the myth of OS-9 user hostility." (January 1987) 193 FIXTIME (OS9) REBOOT (OS9)
- Puckett, Dale L. "Experimenting with RAM disks." (August 1986) 197
- Puckett, Dale L. "Frank Hogg sees the light and a level III report." (February 1987) 190 FILESIZE (OS9) FILEPIR (OS9) DEMOTEST (OS9) UNLOAD (OS9) SYSGO (OS9)
- Puckett, Dale L. "Getting revved up for fall fun." (October 1986) 196 GOTOXY (OS9) HGRAPH.C (OS9) CLS (OS9) PRINTAT (OS9) TOGGLE (OS9) BOX (OS9) FILLBOX (OS9) PIXSAVER; PIXSHOW (OS9) CALC (OS9) MAKE-SCRATCHPAD (OS9)
- Puckett, Dale L. "Good times with OS-9 on the hard disk." (September 1986J 200

- Puckett, Dale L. "Looking at blue sky for OS-9 level II." (November 1986) 199 SYSGO (OS9) CLS (OS9) ALTERNAT.CLS (OS9)
- Puckett, Dale L. "Rambo takes us all back to the beginning." (April 1987) 197 DRIVEOFF; DRIVEOFF.LISTING IOMAN.PATCH TERMINAL.ASM MDIR.C STRIP.C
- Puckett, Dale L. "Setting the stage for OS-9 level II." (May 1987) 196 WIZDRAW (OS9) XMODE (OS9) HEXDUMP(OS9)
- Puckett, Dale L. "Shooting for a standard." (June 1987) 162 AT; ATRUN
- Pullen, Walter. "One-liner." (September 1986) 135 - Moving sine wave.
- Quellhorst, George. "Pretty little listings, all in a row." (May 1987) 178 Print listings in two columns. LLISTER
- Quellhorst, George. "Two-liner." (March 1987) 144 Screen printer
- Reed, Bill. "Plottin' and Plannin'." (April 1987) 174 Spreadsheet program. SPREAD
- Reed, James E. "Building August's Rainbow."
- (August 1986) 16 Assorted commentary. Reed, James E. "Building December's Rainbow." (December 1986) 16 — CoCo 3 comments.
- Reed, James E. "Building February's Rainbow." (February 1987) 16 - Just can't retire the old CoCo 1
- Reed, James E. "Building January's Rainbow." (January 1987) 16 — Introduction to beginner's
- issue Reed, James E. "Building July's Rainbow." (July
- 1986) 16 Notes for beginners. Reed, James E. "Building June's Rainbow." (June 1987) 16 — Discussion of Chicago
- RAINBOWfest.
  Reed, James E. "Building March's Rainbow."
- (March 1987) 16 Reed, James É. "Building May's Rainbow." (May 1987) 16 — Attach a CoCo to your exercise bike!
- Reed, James E. "Building November's Rainbow." (November 1986) 16 — Comments on copyright issues
- Reed, James E. "Building October's Rainbow." (October 1986) 16 — All about Rainbow on Disk. Reed, James E. "Building September's Rainbow."
- (September 1986) 16 All about CoCo 3. Rigsby, Mike. "Your face or mine?" (September
- 1986) 88 FACE BASND SOUND Rittenhouse, James E. "Cassette organization." (February 1987) 125 TAPEMENU
- Rittenhouse, James E. "Wet 'n wild." (January 1987) 27 — Leaky roof game. LEAKY
- Rocci, Kathryn, "That's the ticket." (May 1987) 26 -Print tickets for parties, dances, etc. TICKET
- Rogers, Robert. "Decisions, decisions." (February 1987) 122 — Help you decide alternative choices. DECISION
- Rogers, Robert. "One-liner." (October 1986) 147 Graphics demo.
   Ropson, Ronald T. "The shifting, reducing,
- stretching, enlarging transfiguration band." (October 1986) 44 ZOOM1 TO ZOOM4
- Rosen, Bob. "Hint." (January 1987) 146 CoCo 3 lowercase in 32 columns.
- Rosen, Bob. "Hint." (March 1987) 160 CoCo 3
- Rosen, Russ. "One-liner." (December 1986) 126 Create a cash register.
  Ruangchotvit, Chinarut. "One-liner." (July 1986)
- 64 Produce integer factors.
  Ruby, Paul, Jr. "Success mansion." (January
- 1987) 108 Correction, April 1987, p.128. SUCCESS
- Salvail, Pierre. "Four shades of gray." (May 1987) 90 — Prints graphics screens. COLRDUMP
- Samuels, Edward. "Computer program copyrights: A how-to guide." (April 1987) 82 Satir, Gregory. "One-liner." (February 1987)66 — Convert integer to binary.
- Scerbo, Fred B. "Achieving arcade game speed in BASIC." (July 1986) 98 — Advanced Star-Trench Warfare (see also November 1982, p.8) Corrections, August 1986, p.98, and October 1986, p.92 TRENCH
- Scerbo, Fred B. "The challenge returns: Driller II is a thriller, too." (October 1986) 173 DRILLER2

Scerbo, Fred B. "CoCo conquers the metric system." (April 1987) 76 LIFESKL6 Scerbo, Fred B. "Computer-paced learning." (August 1986) 167 LIFESKL4

Scerbo, Fred B. "Creating designer arcade games." (December 1986) 163 — Updated snail invaders. CRTVADER

Scerbo, Fred B. "Graphics, education and speech come together." (May 1987) 38 — Graphic

Scerbo, Fred B. "More graphics, speech and education." (June 1987) 106 — Simulation of the heart. HEART

Scerbo, Fred B. "Prepare for Thanksgiving cooking with liquid measure." (November 1986)

62 — Gallons to ounces, etc. LIQUID Scerbo, Fred B. "Roboflip: Anatomy of a game." (March 1987; 168 ROBOFLIP

Scerbo, Fred B. "A spelling program that speaks for itself." (February 1987) 166 H&SPELL

Scerbo, Fred B. "Understanding relationships between fractions, decimals and whole numbers." (January 1987) 78 MATHQUIZ

Scerbo, Fred B. "Updating the Color Change quiz." (September 1986) 98 CHNGQUIZ Schmidt, Fred. "Hint." (December 1986) 133 - Make

an RS-232 "Y" cable. Schneider, Harold. "The odd man out." (October 1986) 125 — Rainbow on tape program also on September tape. NOTLIKE

Schrag, Roger. "The limousine utility: A tape-todisk transfer vehicle." (February 1987) 73 Reprint from January 1984, p. 48. TPTODSK

Schuff, David. "The color conductor." (June 1987) 78 — Various popular songs. GAVOTTE TEXAS CHIEF FOLLOWME JETPLANE COUNTRY

Schuster, Tobin. "The 8088 sounds off." (March 1987) 40 — Unusual use for the 8088 microprocessor. Selbee, Keith. "Two-liner." (April 1987) 176 —

Create cassette inde,x cards on printer.

Siegel, Mark. "The third one's the charm. (November 1986) 30 — More details on CoCo 3. Sims, Michael. "Charting the ups and downs of

life." (March 1987) 86 — Draw graphs of data. **GRAPHIT** 

Sipos, Anton. "One-liner." (August 1986) 151 -Disk utility.
Small, Ric. "One-liner." (September 1986) 54 —

Shoot-'em-up game. Snook, Allen. "The spit and image." (May 1987) 36

- Screen dump program. GRAPHGEN Staff, "Rainbow's holiday shopping guide." (December 1986) 25 — Christmas gift suggestions.

Steinbrueck, Richard. "The tournament master." (April 1987) 120 — Keep track of round robin games. Correction, June 1987, p.116. RNDROBIN INPUT

Stewart, John. "Echo." (February 1987) 126 — Send screen output to printer. ECHO Strike, Thomas J., Jr. "Hint." (March 1987) 142 —

Avoid burn-in of monitor.

Sundberg, Lynn. "I can see clearly now." (July 1986) 20 - Formatted printer listings of programs. SRLIST

Tenney, Steve. "The rhythm of life." (May 1987) 20 - Chart your biorhythms. BIOCHART

Terrio, Christine. "Teacher's pet." (January 1987) 32 - Spelling practice lists.

Thomas, Carmie A. "Happy new year!" (January 1987) 29 — Graphics demo. NEW YEAR

Thompson, Matthew. "Steppin' out with my CoCo." (June 1987; 58 — Music synthesizer. BW2; BW2C3FIX AXEL F ENTRTANR

Tucker, Eric. "Treasure quest: The golden adventure." (November 1986) 18 TREASURE

Turner, Del. "Is is a fish, or a phish, or a pheish?" (June 1987) 148 — BASIC09 helps with phoneme recognition. SOUNDPUZ (BASIC09) Turowski, Donald. "I before E except after C...

(September 1986; 78 SPELDRIL

Valentine, John. "X marks the spot." (May 1987) 125 — Utility.

Vasconi, Eugene. "Holiday hearth." (December 1986; 108 — Christmas fireplace XMASFIRE; XMASDRVR

Vasconi, Eugene. "Season's greetings."

(December 1986) 18 — Graphics Christmas messages. GREETING

Vasconi, Eugene. "Escape from the bug zone." (January 1987) 59

Vaughn, Horace D. "The old-time fix." (November 1986) 55 — Disk fix to May 1986, p.150. SHORTEN

Ventling, James. "Keycad/Keyflow: CoCoad and CoCoflow modifications." (November 1986; 126 COCOMOD1 TO COCOMOD3

Walter, Rick A. "One-liner." (April 1987) 47 -Monthly payments on a loan.

Walton, Byron. "One-liner." (February 1987) 166

— 2 programs to list ASCII from disk.

Ward, Logan. "LED power indicator." (December 1986) 160 - LED for the disk drive.

Warner, Bruce N. "Pipes and filters for the masses." (February 1987) 204

Weide, Dennis H. "The CoCo ROS, part 1."

(December 1986) 85 — Build a robot operating

Weide, Dennis H. "The CoCo ROS, part 2: Building the ROS circuit." (January 1987) 153 ROS TEST

Weide, Dennis H. "The CoCo ROS, part 3: The Robotics program and interfacing." (February 1987) 152 ROBOT RBT22SRC

Weinberg, Rob. "One-liner." (August 1986) 153 -Interesting graphics.

Wells, John T. "One-liner." (February 1987) 143 -Hexadecimal dump.

Wells, John T. "Saucer, saucer, in the sky." (April 7987; 116 SAUCER

White, Edward A. "Hail to the Chief." (September 1986) 153 — Presidential guiz. PRESIDNT

White, Eric. "CoCo presents the well-behaved yard sale." (April 1987) 52 YARDSALE

White, Eric. "CoCo-nect-a-dot." (January 1987) 60 COCONECT

White, Eric. "Esch-a-sketch." (August 1986) 75 -Correction, December 1986, p.101. ESCHER PRINT200

White, Eric. "Tips on the CoCo 3. (March 1987) 78 COLORCHEK White, Forrest K. "Sized to fit." (May 1987) 91 -

Set up for Gemini 10X printer. FORMATTR White, Jeff. "The great picture show." (July 1986) 26 — Display graphics files. MAGICIAN WIZARD LATECOCO MERLIN LOADER SHOW

White, Jeff. "Picture file extension changer." (October 1986) 182 EXTCHNGR White, Richard A. "BASIC09 on the CoCo 3."

(November 1986) 188 SIEVE (OS9)
White, Richard A. "CoCo word processing." (July

1986:212 White, Richard A. "The CoCo 3 color palette from

a BASIC program." (February 1987) 200 BASICPAL

White, Richard A. "Dealing with variables in BASIC09." (December 1986) 195 White, Richard A. "Exploring the CoCo 3 color

system." (March 1987)112 C03COLOR White, Richard A. "The first days with CoCo 3: Experimentation and discovery." (January 1987)

White, Richard A. "Getting started with BASIC09."

(June 1987) 158 White, Richard A. "Making the most of CoCo 3 features without overdoing it." (April 1987) 194 LISTER

Wiedman, Barry. "One-liner." (April 1987) 170 — Vacation planning helper.

Wigowsky, Paul. "Two-liner." (July 1986) 168 — Play tune from popular movie.

Wilkes, Ernest. "One-liner." (February 7987; 138 — Disk utility.

Williamson, H. G. "Tracking the tempest." (April 1987) 26 — Predict a hurricane landfall.

Correction, June 1987, p.116. HURRTRAK Wilson, Stephen R. "Hint." (November 1986) 73 — Multi-Pak tips.

Wolff, Harold L. "Look what they've done to my CoCos." (March 1987) 46 — Battery backup for the CoCo.

Womack, Wayne. "The CoCo scaler." (October 1986) 166 SCALER

Wood, James W. "Tic-tac-CoCo." (August 1986) 36 — Polar version of game. TICTACTO Woods, Rick. "Deck the halls." (December 1986) 42 — Songs for Musica II. DECKHALL MUSCLOAD TAPELOAD Wright, Archor. "Amnotron animation." (July

1986) 54 — Animation program. AMNOTRON Wright, Archor. "Fly off the handle." (August 1986) 81 — Flight simulator. FLIGHT

Zanger, Murray. "Thrifty CoCo handles what-if calculations." (March 1987) 36 FNANPLAN Zumwalt, Greg L. "Living on Rainbow time." (November 1986) 170 CLOCK1; CLOCK2 (OS9)

Zumwalt, Greg L. "Tandy Color Computer 3 does windows, and a whole lot more." (September 1986)20

# **PRODUCT REVIEWS**

"ADOS version 1.02." (June 1987) 146 "Advanced BASIC programming aid." (July 1986)

'Adventure in mythology." (August 1986) 139 "Alphabetizing." (September 1986) 135

"The amazin' maze game." (June 1987; 137 "Art gallery." (April 1987) 135

"Assembly language programming for the TRS-80 Color Computer (book)." (December 1986) 142

"Avatex 1200 modem." (December 1986) 132
"A2D deluxe joystick." (August 1986) 150

"Banner." (January 1987) 146
"Battle hymn." (December 1986) 144

"Bouncing boulders." (April 1987; 139
"Bowling league secretary." (September 1986) 141
"Bowling league secretary." (April 1987) 140
"Business bankbook." (August 1986; 144 "C Compiler." (October 1986) 143

"Car dealer assistant." (October 1986) 142 "Casper CoCo quick assembler." (September

1986)137 "Cave walker." (June 1987) 135

"CC3 draw." (*December 1986*) 148 — Correction, February 1987, p. 160.

"Champion." (May 1987J141
"Citizen 120D printer." (March 1987) 147
"CM-8 extender cable." (May 1987) 140
"CMOS conversion kit." (April 1987) 138

"CoCo Base I." (August 1986) 152 "CoCo diskzap utility." (October 1986) 147

"CoCo guru." (February 1987) 134 "CoCo hymnal." (March 1987) 143

"CoCo HI font bonanza." (April 1987) 148

"CoCo III secrets revealed (book)." (February 1987)140

"CoCo III 512K upgrade." (March T987J 145 "CoCo-util II." (November 1986) 136 "CoCoachiever." (November 1986) 146

"CoCoSize." (April 1987) 143 "Code practice." (November 1986) 134 "Color connection." (April 1987) 134
"Color scribe III." (June 1987) 136

"Colorchestra." (October 1986) 135 "Colorscan." (January 1987; 136 "COMM-4." (December 1986) 134

"Computer bankbook." (August 1986) 144
"Computer hammer." (February 1987) 141

"The computer phone book." (November 1986) 135

"CyberTank." *(November 1986)* 149 "D.L. Logo." *(January 1987)* 147 "Darkmoor hold." fAugust 1986; 135 "Datapack II Plus; Datapack III Plus." (May 1987)

142 "DDAY." (February 1987) 138 "Digisector DS-69A." (November 1986) 140

"Disk BASIC unraveled (book)." (October 1986) 146

"Disk programming package." (*January 1987*) 144 "Diskman." (May 1987; 134 "Disto super RAM 3." *(May 1987)* 144

"DMS-3B digital memory scope." (December 1986)146

"Dragon blade." (November 1986) 151 "Dragon slayer." (January 1987) 135 "The Dragon's castle." (June 1987) 143

"Dragon's temple." *(December 1986)* 136 "Drive 1 upgrade." *(November 1986)* 150 "DSKUtil." (July 1986) 153 "Dual DOS switcher." (February 1987) 138
"Eagle lander." (September 1986) 134 "Easy gradebook / Easy testwriter." (July 1986) 154 "The electronic robot dog." (January 1987) 139 "Elite word/80." (March 1987) 134 "Enhanced racing analysis package." (July 1986) 167 "Filesafe." (April 1987) 145 "FKEYS III." (April1987) 142 "Flash card drill." (November 1986) 148 "Fourcube." (May 1987) 139 "Full screen editor & varisave." (April 7987) 144 "Gantelet." (February 1987) 135 "Gold tinder." (May 1987) 137
"Graphic echo." (October 1986) 138 "The guidebook for winning adventures (book)." (February 1987)146
"Hall of the king II: The inner chamber." (September 1986) 140 "Homeware." (July 1986) 169 "Infomania: The guide to essential electronic services." (July 1986) 157 "Inside information (book)." (December 1986) 138 "Interbank incident." (March 1987) 139 "An introduction to the doctrines of grace." (July 1986)165 "Introductory Spanish courses." (April 1987) 146 "JramR." (*June 1987*) 134
"Kameleon." (*September 1986*) 133
"Kamelion." (*March 1987*) 141 "Karate." (September 1986) 145 "Keep-trak." (July 1986) 162
"Keeping track." (March 1987) 142 "Language arts software." (March 1987) 146 "The Learning Company software." (June 1987) "LEO." (November 1986) 145 "Listaid." (*July 1986*) 165 "LISTER." (*November 1986*) 139 "Little letters." (December 1986) 144 "Lockout." (June 1987) 140 "The lottery player." (February 1987) 143 "Lvra." (December 1986) 133

"The memory game." (October 1986) 146 "Memory manager." (October 1986) 139 "Memory minder." (September 1986) 144 "Micro fire." (October 1986) 149
"Mikeydial." (December 1986) 143 "MiniDOS9." (February 1987) 149
"Miscellaneous writings." (January 1987) 141
"Mission F-16 Assault." (October 1986) 136
"Modem pak (Radio Shack)." (August 1986) 146 "Mouse top." (January 1987) 140
"Music libraries." (February 1987) 137 "MYDOS." (June 1987) 144
"OS-9 utilities." (September 1986) 146 "OS-9 version 2.00." (July 1986) 166 "OTERM." (July 7986; 148 "Packer." (December 1986) 139 "PAL switcher." (June 1987) 13B
"Paper route." (November 1986) 147 "PBH-64 print buffer." (November 1986) 144 "PenPal." (August 1986) 194
"PenPal." (September 1986) 188 "Pinball factory." (August 1986) 134 "Plateau of the past." (September 1986) 139
"Pony express 24A modem." (January 1987) 148
"Portraits of Christ." (August 1986) 141 "The presidential decisions of George Washington." (April 1987) 147 "Probaloto version 2.0." (November 1986) 143 "Psycho I." (September 1986) 138 "OS-9 level II." (May 1987) 148
"Pump man." (October 1986) 134
"Puzzle math." (February 7987) 145
"The quest for reality." (November 1986) 150
"Quotes." (April 1987) 137 "The return of junior's revenge." (May 1987) 135 "River crossing." (*March 1987*) 135 "Rocky's boots." (*April 1987*) 135 "Roller controller." (*May 1987*) 150 "Rommel 3-D." (August 1986) 138 "Rules of writing." (April 1987) 142 "Salvdisk." (August 1986) 137
"SC68008 RAMdisk." (March 1987) 137
"SECA coupon filer." (June 1987) 139 "The SECA fraction review." (May 1987) 136
"Seikosha SP-1000A printer." (October 1986) (October 1986) 148 "ShockTrooper." (July 1986) 157
"Sigmaword." (May 7987; 147
"Skance." (August 1986) 140 "Snap study system." (July 1986) 164
"Softreader." (March 1987) 144 "Software bonanza package." (July 1986) 149 "Soundscope." (June 1987) 133 "Spectrum keyboard." (August 1986) 151

"State the facts game." (May 1987) 146 "StopBurn." (June 1987) 140
"Studies in the parables." (February 1987) 142 "Super collection of super games." (June 1987) "Super programming aid version 2." (January 1987)138 "Super programming aid." (July 1986) 158 "Super programming aid." (April 1987) 136 "Survey programs." (May 1987) 138 "A synopsis of books of the Holy Bible." (March 1987) 143 "Teacher pak plus." (March 1987) 138 "Telepatch II." (July 1986) 168 "TX." (December 1986) 136 "TXD." (July 1986) 151 "U.S. stamp inventory management system." (July 1986) 156 "U-buff." (August 1986) 151 "Ultra label maker." (February 1987) 144 "Ultra telepatch." (November 7986) 138 "UNDERWARE." (February 1987) 136 "Uninterrupted power source." (September 1986) "Unkill." (October 1986) 144 "VIP write enhancer." (February 1987) 148
"Vortex factor." (July 1986) 152 "Wall Street." (October 1986) 137
"White fire of eternity." (December 1986) 135 "Wico command control trackball." (September 1986)136 "Wishbringer." (August 1986) 148 "The witness." (July 1986) 163 "Wizard's castle." (August 1986) 136 "Wizard." (July 1986) 168 "The Word Factory's word meaning." (March 1987)136 "The Word Factory-synonyms and antonyms." (June 1987) 132 "The word search game." (April 1987) 140 "WordPak-RS." (October 7986) 149 "Writest." (January 1987) 150 "XWord. XSpell, XMerge." (July 1986) 170
"York 10 educational software." (January 1987) 134 "York 10 Educational Software." (May 7987; 144 "York 10 Software Library-physics." (February 1987)140 "Zork I." (*July 1986*) 150 "1986 tax estimate." (*September 1986*) 148 "3-D graphics." (January 1987) 145

 $\mathbb{R}$ 

Hint . . .

"The magic of Zanth." (March 7987/140

"Map 'n zap." (January 1987) 148
"Mapter disk." (August 1986) 150
"Mathpack." (September 1986) 132
"Max fonts." f October 1986) 144

"Mailing list/data information." (August 1986) 149

# I Screen, You Screen

The PALEITE command is used to easily change the colors of the screen you are working on. The following table indicates the slots used for various screen parameters.

Mode	Foreground Slot	Background Slot
32-column	Slot 12	Slot 13
0/80-column	SlotO	Slot 8

As an example, in the 32-column mode, PHLETTE12,G3:PALETTE13,0 will give white letters on a black background. In the 40- or 80-column mode, PHLETTE0,0:PHLETTEB,G3:CLS1 will accomplish the same thing. Note that the CLS1 is used to make the border color the same as the background.

> Bertrand Dugre Quebec, Canada

Hint. . .

# **Neat Little Modification**

The following is intended mostly for those who have some experience in hardware alterations. You can easily mount a DB-25 connector on the side of your CoCo and hook it to the existing keyboard connections on the bottom of the board. Then take an old CoCo keyboard (or buy a new one) and an old CoCo case (or build your own) and make a stand-alone keyboard. Just wire the keyboard to a DB-25 connector that will mate with the one mounted on the CoCo. Nine of the conductors on a 25-conductor cable are not needed. However, they open up the possibility for remote reset, power-on indicator, etc. Once you have worked out the particulars and constructed your remote keyboard, move the CoCo and Multi-Pak Interface and other accessories off your desk. You will be surprised at the neat appearance this little modification offers.

Fred Schmidt Englewood, CA

# The Seventh Year Of Rainbow

An index to the articles, programs, reviews and authors appearing in THE RAINBOW from July 1987 through June 1988.

Compiled and Edited by Leslie A. Foster

Copyright© 1988, Falsoft, Inc.

#### TOTAL NUMBER OF ARTICLES (July 1981 to June 1988) — 4129

This is the fifth index to the Rainbow.

Previous indexes to the Rainbow are available as follows:

July 1981 to June 1984-July 1984 issue July 1984 to June 1985—July 1985 issue July 1985 to June 1986—July 1986 issue July 1986 to June 1987—July 1987 issue

The subject breakdown, and number of items per heading are shown below. The number following in brackets is the total number of articles published since 1981 in that topic (where indexed).

ASSEMBLY LANGUAGE - 2 (45) BUSINESS-9 (38) CLUBS-3 (15) COMMUNICATIONS - 27 (92) DISK -4(62) EDITORIAL COMMENT - 22 (46) EDUCATION-GENERAL — 77 (255) GAME -41 (292) GAME-ADVENTURE - 4 (26) GAME UTILITY -3(3) GENERAL —14(178) GRAPHICS-58 (274) HARDWARE PROJECT — 12 (57) HARDWARE TUTORIAL - 5 (23) HINT -26(57) HOME APPLICATION - 31 (125) MUSIC-15 (66) ONE/TWO LINER PROGRAMS — 34 (99) OPERATING SYSTEMS-OS9 - 22 (103) PRINTER —13(77) QUESTIONS AND ANSWERS - 27 (101) TUTORIAL - 24 (76) UTILITY —32(170) WORD PROCESSING - 1 (14)

TOTAL NUMBER OF ARTICLES — 613 (4129)

AUTHORS - 444 (2280)

PRODUCT REVIEWS - 132 (1681)

RAINBOW ON TAPE/DISK - 335 (1795)

Leslie A. Foster is the System Manager of Novanet, a jointly owned computer library system for the academic libraries in Halifax, Nova Scotia, Canada.

#### **ASSEMBLY LANGUAGE**

Dibble, Peter. "A computer's ancient native language." (July 1987) 100 — Assembly language aid. CDUMP

Gabler, David J. "Assembly language: Getting back to BASICS." (June 1988) 44

#### **BUSINESS**

Archer, David. "CoCo 3 number cruncher." (March 1988) 146 — Spreadsheet program. SUM128

Bernico, Bill. "Advertising profit predictor." (March 1988) 32 ADPROFIT

Conant, Shawn. "Putting it on their tab." (March 1988) 20 — Print invoices for parts and labor.

Corson, Alan J. "The CoCo power user." (May 1988) 146 - CoCo 3 as an effective office automation tool.

Hitko, Don. "Worksheet printer." (March 1988) 73

Leistico, Dale James. "Delivering the goods." (March 1988) 36 — Bookkeeping system for newspaper carriers. PAPERS

May, Charles. "Taking stock." (March 1988) 60 —

Inventory control. STOCK
Paroubek, Larry M. "Finding the right person for the job." (January 1988) 106 — Create job descriptions. JOB DESC
Thompson, E. C. "In good form." (March 1988) 72

Print receipts. RECEIPT

# **CLUBS**

"Clubs, clubs, clubs." (August 1987) 146
"Clubs, clubs, clubs." (December 1987) 148
"Clubs, clubs, clubs." (May 1988) 141

#### COMMUNICATIONS

Alger, Paul. "Caught up in a galactic conflict." (November 1987) 78 — BBS game. Correction, January, 1988, p.138. NEWGAME GALACTIC REMOTE2

Anderson, Doug. "Personal password protector." (November 1987) 95 — Random password generator. PASSWORD

Augsburg, Cray. "Delphi Bureau: A conversation with the CoCo SIG manager." (October 1987)

Augsburg, Cray. "Delphi Bureau: All roads lead to the CoCo SIG." (*July 1987*) 120 Augsburg, Cray. "Delphi Bureau: Bringing it down!"

(June 1988) 163

Augsburg, Cray. "Delphi Bureau: Buffer capture garbage." (September 1987) 46

Augsburg, Cray. "Delphi Bureau: Delphi's online debate team." (February 1988) 146 Augsburg, Cray. "Delphi Bureau: Files and protocols." (May 1988) 160

Augsburg, Cray. "Delphi Bureau: Reach out and

touch someone." (March 1988) 140 Augsburg, Cray. "Delphi Bureau: Some helpful improvements." (November 1987) 62

Augsburg, Cray. "Delphi Bureau: The battle line is being drawn." (August 1987) 102
Augsburg, Cray. "Delphi Bureau: Database downloading." (April 1988) 157.

Augsburg, Cray. "Delphi Bureau: The times are achanging." (December 1987) 121
Bossinger, Sean. "Autodial reaches out across the

miles." (November 1987) 144 AUTODIAL

Hutchison, Don. "Database report." (July 1987) Hutchison, Don. "Database report." (August 1987)

Hutchison, Don. "Database report." (September

1987) 46 Hutchison, Don. "Database report." (October

1987) 100

Hutchison, Don. "Database report." (November

Hutchison, Don. "Database report." (December 1987) 121

Hutchison, Don. "Database report." (February 1988)146

Hutchison, Don. "Database report." (March 1988)

Hutchison, Don. "Database report." (April 1988)

Hutchison, Don. "Database report," (May 1988)

Hutchison, Don. "Database report." (June 1988)

Hutchison, Don. "Getting started with Delphi." (November 1987) 64

Jorgenson, Michael. "A BBS that's SysOp friendly and hacker hostile." (November 1987) 152 BOOT.BAS BBS-BORD.SYS SYSOP.EDT TEXTGEN.EDT

# DISK

Berenz, Michael. "An inside view." (July 1987) 97 — Disk utility. DISKSEEK

Honaker, Scott. "Exercise your drives." (June

1988) 110FDCAID

Lawson, Matt. "Backup and go." (July 1987) 98 — Quicker disk backups. Correction, June 1988, p.38. FASTCOPY

McGarrity, A. L. "The perfect disk manager." (July 1987) 30 — Disk utility LOCATOR DISKDATA

#### **EDITORIAL COMMENT**

Falk, Lawrence C. "Print#-2" (June 1988) 10 -Discussion of suit between Apple and Microsoft

Falk, Lawrence C. "Print#-2." (July 1987) 12 -

Sixth anniversary comments.
Falk, Lawrence C. "Print#-2." (August 1987) 12 —

Changes for the next year. Falk, Lawrence C. "Print#-2." (September 1987) 12

- Discussion of Rainbow Seal of Certification. Falk, Lawrence C. "Print#-2." (October 1987; 12 — "We're doing OK."

Falk, Lawrence C. "Print#-2." (November 1987) 12 - "An exchange of ideas."

Falk, Lawrence C. "Print#-2." (January 1988) 12 — "Keeping in touch."

Falk, Lawrence C. "Print#-2." (February 1988) 12

— "Some random thoughts." Falk, Lawrence C. "Print#-2." (March 1988) (March 1988) 12 — 'Yes, Alan, there is a future for the Color Computer.

Falk, Lawrence C. "Print#-2." (April 1988) 12 -'Seasons of change' (Staff changes at the Rainbow.)

Falk, Lawrence C. "Print#-2." (May 1988) 12 — How the Rainbow supports all models of

CoCo's Kapfhammer, Jutta. "Building a Rainbow."

(September 1987) 16 — Continuing Rainbow's development. Kapfhammer, Jutta. "Building October's

Rainbow." (October 1987) 16 Kapfhammer, Jutta. "Building January's

Rainbow." (January 1988) 16 — Introduction to beginner's issue.

Kapfhammer, Jutta. "Building February's Rainbow." (February 1988) 16 - Introduction to utilities issue.

Kapfhammer, Jutta. "Building March's Rainbow." (March 1988) 16 - Introduction to business and finance issue.

Kapfhammer, Jutta. "Building April's Rainbow." (April 1988) 16 — Introduction to home help issue

Kapfhammer, Jutta. "Building May's Rainbow." (May 1988) 16 — Upcoming changes.

Reed, James E. "Building a Rainbow." (August 1987) 16 — Introducing Jutta Kapfhammer as new Managing Editor.

Reed, James E. "Building July's Rainbow." (July 1987) 16

Reed, James E. "Building November's Rainbow." (November 1987) 16 — Introduction to Telecommunications issue.

Reed, James E. "Print#-2." (December 1987) 12 — Wants help writing a book about the CoCo.

#### **EDUCATION**

Bernico, Bill. "Any way you slice it." (September 1987) 40 — Teach fractions. FRACTION Bernico, Bill. "How much do you have?"

(September 1987) 70 — Count your money. MONEYJAR

Bernico, Bill. "Teacher's pet." (September 1987) 76 — Help teacher total scores. GRADER

Blount, Andy. "The power of the mind." (September 1987) 36 — Demonstrates artificial intelligence. ANIMALS
Blyn, Steve. "Can you afford a burger attack?"

(January 1988) 54 — Estimating expenses. **FASTFOOD** 

Blyn, Steve. "Differences and similarities." (May 1988) 88 — Review of synonyms, etc. NYMS

Blyn, Steve. "Electricity and circuit experimentation." (December 1987) 98 — Teach electrical circuits. CIRCUIT

Blyn, Steve. "Fun with phonics." (March 1988) 89 **PHONICS** 

Blyn, Steve. "Getting a fix on triangles." (September 1987) 138 TRIANGLE

Blyn, Steve. "Learning in the end zone." (October 1987) 94 — Educational football quiz. CCBLITZ Blyn, Steve. "Number fun for the very young."

(August 1987) 97 NUMREVUE

Blyn, Steve. "Presidential election preview." (April 1988) 70 — Polling program. ELECTION Blyn, Steve. "Restaurant reckonings." (February

1988) 76 SHOPPING

Blyn, Steve. "Spell down to vocabulary fitness." (July 1987) 56 — Language arts game. SPELDOWN

Blyn, Steve. "Upgrading keyboard skills." (November 1987) 76 — Typing tutor. TYPING Blyn, Steve. "Who, what and where?" (June 1988) 86 — Sharpen reference skills. MAGPARTS

Dorrity, Dennis. "Report card payoff." (September

1987) 20 — Total up the report card. GRADE\$
Duncan, James Dale. "Learning your ABCs."
(September 1987) 72 LETRGETR
Gordley, Richard D. "CoCo sets the pace."
(September 1987) 140.

(September 1987) 140 — Measure reading speed and comprehension. Correction, October 1987, p.50. TACHISTO

Kolar, Joseph. "Parlez-vous CoCo français?" (December 1987) 144 Levinson, Eric. "The ins and outs of Boolean."

(May 1988) 100 - Binary math practice. **BOOLEAN** 

Linge, John M. "Sounding out the ABC's."

(February 1988) 142 ABCMRG MacLellan, Gary. "A colorful resistance." (July 1987) 44 — Teach color codes of resistors. RESISTOR

Mayeux, Ann B. "ABC is not just child's play." (September 1987) 58 - Introduce kids to computers. ABC

Monroe, Richard. "Achieving simple equality." (July 1987) 50 — Educational game for children. **BALANCE** 

Musumeci, John. "Goodbye flashcards." (September 1987) 72 TIMETABL

Plog, Michael. "Computers in school management." (November 1987) 150

Plog, Michael. "Education overview: Approaches for lifelong learning." (August 1987) 32

Plog, Michael. "Learning readiness and computers." (September 1987) 32

Rittenhouse, James E. "Math can be fun." (September 1987) 71 MATHTCHR

Scerbo, Fred B. "Getting geared up for safer driving." (September 1987) 90 — Road skills instructor, ROADSKIL

Scerbo, Fred B. "Grammar 101 Part II." (June 1988) 154 SENTENCE

Scerbo, Fred B. "Keying into CoCo's power." (July 1987) 112+ — Keyboard training. COCOKEYS Scerbo, Fred B. "Know what I mean?" (January

1988) 90 — Recognizing complete sentences

and fragments. SENTENCE Scerbo, Fred B. "On the road again." (December 1987) 52 — Learn traffic safety rules. ROAD II Scerbo, Fred B. "Reading and decoding skills." (May 1988) 74 JUMBLE

Scerbo, Fred B. "Revising the reservoir." (April 1988) 146 — Fixes to recent programs. BLOOD HEART DRIVE2 COCOKEYS SPELLKEY

Scerbo, Fred B. "Sentence savvy." (March 1988) **78 SÉNTENCE** 

Scerbo, Fred B. "The spelling game." (August 1987) 92 COCOKEY2

Scerbo, Fred B. "The ultimate testing programs." (February 1988) 94 — Generate quizzes. SUPRTEST

Scerbo, Fred B. "Understanding verb use." (October 1987) 158 VERBTEST Smith, Bill. "Wipe out letters." (September 1987)

74 CRUNCHER

Toscano, Louis R. "The electronic blackboard." (September 1987) 106 — Mathematics teaching àid. GRAPH

# GAME

Allen, Scot. "The Queen's quarrel." (October 1987)

28 — Chess like puzzle. QUEENS Augsburg, Cray. "The vote is in." (February 1988) 36 — Adventure contest report.

Barden, William, Jr. "An A 'maze' ing adventure." (February 1988) 171 FINDMAZE NEWMAZE Behrmann, Darrel. "It's a touchdown!" (October 1987) 83 FOOTBALL

Belanger, Allan J. "CoCo concentration." (August 1987) 20 — Memory game MEMOCARD Bernico, Bill; and Aftamonow, George. "Beat the

dealer." (August 1987) 84 BLAKJACK Compton, David. "Undercover CoCo." (April 1988)

73 — Construct cryptograms. ENCRYPT DeMarco, Brian. "CoCo caliber." (April 1988) 74 SHOOTEM

DeMarco, Brian. "Picking up the pieces." (June 1988) 82 COLLECT

Donald, Steve. "Battle back with munchkin blaster." (August 1987) 44 BLASTER

English, William D. "Learn CoCo learn." (August 1987) 50 — Artificial intelligence helps CoCo play. COCOLERN

Flaishaker, Paul. "Theater management." (August 1987) 88 — A puzzle. THEATRE

French, Paul. "Usetown annex." (January 1988) 58 Simulate a city planner. RVSLINE USETOWN Gleason, Chris. "Hit me if you can." (January 1988) 76 HITME

Holsten, Phil. "Helicopter hero." (March 1988) 42 **HELIHERO** 

James, John. "Five in a row." (March 1988) 76 CONNECT5

Johnson, Clyde, Jr. "Lunar rescue." (August 1987) 116 RESCUE

Johnson, Neil. "Scrambled screen of letters." (August 1987) 90 — Memory game. WORD1 Jolley, David. "Start your engines." (August 1987) 86 — Racing car game SPEEDSTR

Jones, Tudor. "Solitaire upgrade-automatic finish." (January 1988) 171 — Modification to December, 1986, p. 76. Correction, May 1988, p. 154.

Kenny, Keiran. "Alphabet roulette." (November 1987) 97 ALFAWORD

Kerckhoff, Peter. "Sneaky snake." (August 1987) 26 SNEAKY

Koch, Daren. "Bee zapper." (September 1987) 50 BEEZAP

Lamonica, Mary; and Lamonica, James. "Doing the trivia rag." (September 1987) 152 — Trivia game. TRIVIAG; TRIVIAFC

Marsh, Albert P. "Rootin' tootin' sharpshootin' CoCo." (August 1987) 105 SHOOTN

Martinez, Louis. "Back to square one." (January 1988) 74 PUZZLE

Miller, Scott; and Cushing, Mike. "Guild of the Kingmaker." (April 1988) 86 KINGBOOT; KING Moon, J. R. "The blue block blues." (November 1987) 97 DODGE

Morrison, John. "Making magic." (August 1987) 88 - A magic square. MAGICSQR

Nevin, Bob. "Lotsa luck!" (June 1988) 81 LOTT048

Owens, Tony. "Blockout wipeout." (May 1988) 94 **BLOCKOUT** 

Phillips, George. "Tank command." (June 1988) 60 - Defend terrain against enemy air force. BLITZ1; BLITZ2; BLITZ3

Sirolly, Michael T. "Strata." (May 1988) 20 — Action game. STRATA Stewart, Shawn. "Have a hand at hangman."

(August 1987) 89 HANGMAN

Sutphin, Ricky. "A frightfully good time!" (October 1987) 20 HORROR

Sward, Steven. "Sub search." (March 1988) 122 SUBSERCH

Taulli, T. C. "Batter up!" (July 1987) 105 - Trivia game based on baseball. TRIVIA

Tilenius, Eric W. "The urchins from the Black

Lagoon." (January 1988) 31 URCHIN Tucker, Eric. "One good furn deserves another." (May 1988) 30 - Strategy game. FLIPIT

Ward, Logan. "CoCo has all the answers." (November 1987) 52 MAGIC3

Wolf, Eric A. "Into the danger zone." (August 1987) 58 — F-15 ground assault simulator. F15EAGLE

#### **GAME - ADVENTURE**

Bell, Bruce K. "To overthrow the controllers." (February 1988) 42 — Adventure contest winner CONTROL; CNTRL

Parson, Louis. "The Kingdom of Le Lutin." (July 1987) 58 — Adventure game. Correction, October, 1987, p. 50. LE LUTIN

Ruangchotvit, Chinarut. "Castle of death." (February 1988) 65 — Adventure contest winner. CAŚTLE

Wilson, Lonni. "A Christmas dream." (December 1987) 20 — Christmas adventure game. DREAM

# **GAME UTILITY**

Ashby, Lou. "Keeping score with CoCo." (August 1987) 36 — Keep track of hard won scores. SCOREBRD

Cooney, Mike. "Get the home court advantage." (September 1987) 42 — Basketball scoreboard. SCOREBRD

Haupt, Neil. "Help for adventurers." (August 1987) 90 — Adventure map printer. MAPPER

# **GENERAL**

"Anniversary special-pull out calendar." (July 1987) 99

Barden, William, Jr. "Barden's buffer: The mystery of the Tandy anagram." (May 1988) 170 PALINDRM LETTERS PERMS

Foster, Leslie A. "The sixth year of Rainbow." (July 1987) 145 — Index, July 1986 to June 1987. "Gift buyer's guide." (November 1987) 57

Goodman, Marty; and Hutchison, Don. "CoCoing abroad." (November 1987) 32 — Using the CoCo overseas.

Goodman, Marty. "A guide to RGB analog monitors for the CoCo 3." (August 1987) 68 Goodman, Marty. "Monitor updates." (November 1987) 33 — Upgrade to August '87 article.

Pettus, Ronald. "Plumbing for your CoCo." (November 1987) 36 — Making computer stands out of plastic pipe.

Preble, Laurence D. "A healthy interface: Body maintenance and computing." (February 1988) 118 — Posture problems and computing.

"The RAINBOWfest reporter." (September 1987) 78 — Report of April 1987 RAINBOWfest (Chicago).

"RAINBOWfest reporter." (March 1988) 25 — Report from Princeton, October 9-11, 1987. Rogers, Robert. "Compu match." (February 1988) 30 — Computer dating. MATCH

Samuels, Edward. "Who's gonna know?" (July

1987) 123 — Copyright law review. Wiens, Michael F. "CoCo 3 potpourri." (June 1988) 158 CC3PATCH

# **GRAPHICS**

Aftamonow, George; and Aftamonow, Ellen. "CoCo 3 canvas." (May 1988) 91 CANVAS Anderson, Larry. "A stitch in time." (December 1987) 108 XSTITCH

Barden, William, Jr. "From flatland to 3-D." (October 1987) 166

Barden, William, Jr. "Hands-on Hershey." (April 1988) 170 — Create various characters. FONTUTU HEDRIVER EXAMPLE

Bell, Mark. "This wreath hangs indoors." (December 1987) 72 WREATH

Bennett, Jim "Sign in please." (May 1988) 52 -Use the CoCo to copy your signature. SIGNATUR

Benway, Patrick. "All the colors of the rainbow." (December 1987) 74 COLRFEST

Bernico, Bill; and Aftamonow, George. "The clown of a hundred faces." (January 1988) 44 CLOWNS

Bernico, Bill. "Graphing great guitars." (June 1988) 56 GUITARS

Bernico, Bill. "Prepare before you paint." (October 1987)82 P178&GL

Bernico, Bill. "Ye olde font." (May 1988) 36 — Graphics print font styles. SCRNFONT

Carrock, Solla. "Animation film festival." (October 1987) 114 ANIMATE PICTBOOK

Catlett, Brian. "Wear your heart on your screen." (February 1988) 100 — Electronic Valentine's day card. VALNTINE

Curtis, H. Allen. "PALETTEable color mixing." (April 1988) 124 — Utility to make color selection easier. COLORMIX

Curtis, H. Allen. "Screen dump extraordinaire." (October 1987) 30 — Correction, November 1987, p.116. SCRNDUMP; SCRNDMPS LP78DMPS TESTSCRN

DellaFave, Renard. "A festival of lights." (December 1987) 28 — Graphics for Hanukkah. HANUKKAH

Ferreira, Ken. "Tunnel effects." (November 1987) 96 — Graphics demo. CIRCLE; CIRCLE2

Hall, Greg. "A short day's journey into the night." (November 1987) 106 — Graphics demo CITY SUN

Hawkins, Darryl W. "Two screens accompany, but three is not a crowd." (November 1987) 100 - A third graphics screen. DEMO

Kenny, Keiran. "Laying it on the line." (January 1988)73 LINEDRAW

Kenny, Keiran. "Mirror image." (October 1987) 81 MIRORPIX

Kolar, Joseph. "DRAW statements: Getting the picture." (August 1987) 149

Kolar, Joseph. "Graphics experience you can draw from." (July 1987) 157 — Use of DRAW

Krom, Matt. "Powerful pages." (July 1987) 94 — Graphics demo. HI CIRCLE

Machurek, Ed, Jr. "Merry Martian." (October 1987) 79 MARTIAN

Matthews, Becky F. "Electrifying graphics using

PMODE power." (October 1987) 44 ENERGY McDowell, Jim. "One starry night." (November 1987) 96 — Graphics demo STARS

Montgomery, Scott. "Graphics creation transfer." (October 1987) 48 GRAFTRAN

Musumeci, John. "CoCo's daring flying machine." (January 1988) 73 AIRPLANE
Ostrom, Steven M. "Artifact colors on CoCo 3's

RGB." (February 1988) 114 PATCH LOOK Parker, Sanjay. "Freaky face." (October 1987) 78

**FUNFACE** 

Pokorny, Douglas. "Adding the HPRINT capability to PMODE 4." (May 1988) 155 FONTDEMO; FONTPOKE ROMRAM

Pruyne, Jim. "A star like a wheel." (March 1988) 75

Rodriguez, Ana M. "Non-smoking section." (May 1988) 90 NO SMOKE

Sapello, Donald. "Peeling graphics." (February 1988) 154 PEELPCLS SAMPLE

Scerbo. Fred B. "CoCo cathead: 20 seconds into the future." (November 1987) 113 - Talking CoCo cathead. CATHEAD

Shoobs, Bernice M. "High-tech quilting bee." (April 1988) 75 QUILT

Shoobs, Bernice. "CoCo cuddler." (January 1988) 74 — Graphics demo. PLAID

Shortt, Don; and Duncan, M. G. "The Christmas star." (December 1987) 70 XMASSTAR

Sutphin, Ricky. "A demonstration in art." (October 1987) 80 COCOART

Tadman, Sandy. "Life in a fish bowl." (February 1988) 78 — Electronic aquarium. AQUARIUM Weaver, Daniel T. "Graphics reference chart." (May 1988) 92 GRAFCODE

Weide, Dennis H. "A picture is worth 6144 bytes." (February 1988) 126 — Reversing a PMODE 4 graphic. REVERSE1; REVERSE2; REVERSE3; REVERSE4

White, Eric. "The color gallery." (February 1988) 85 — CoCo 3 graphics. CHANGER GALLERY

Williams, John G. "CoCo draw update." (October 1987) 98 — Update from October 1986, p.59. Correction, December, 1987, p.24. MENUGEN COCODRAW

Wright, Archor. "Initially 3-D." (October 1987) 53 3DLETTER

#### HARDWARE PROJECT

DiStefano, Tony. "Beginners-add an LED to your controller." (January 1988) 144 - LED on the disk controller.

DiStefano, Tony. "Build a half-megabyte ROM disk." (April 1988) 154

DiStefano, Tony. "Build an electronic EPROM emulator eraser." (February 1988) 150
DiStefano, Tony. "Building an EPROM emulator."

(September 1987) 150
DiStefano, Tony. "Finishing the printer adapter."

(December 1987) 156 DiStefano, Tony. "Increasing character display."

(June 1988) 138 DiStefano, Tony. "Multi-pak LED upgrade." (May

1988)168

DiStefano, Tony. "A new improved printer adapter." (November 1987) 38 Huang, David. "Internal sound." (June 1988) 99 -

Circuit to produce sound internally.

Onley, Ray. "Child-proofing the CoCo." (January 1988) 142 — Keyboard locking switch. Weide, Debbie ; and Weide, Dennis H. "Galileo

and the CoCo." (December 1987) 160 - A science project to re-do Galileo's experiment. TIMER.BIN; TIMER.BAS

Weide, Dennis H. "Static RAM interface." (May 1988) 150 - A RAM pack for the CoCo ROM port.

# HARDWARE TUTORIAL

Barden, William, Jr. "Digitizing the world, revisited." (June 1988) 114 DiStefano, Tony. "Bigger and better Eproms." (March 1988) 158 DiStefano, Tony. "Clever uses for memory."

(August 1987) 124

DiStefano, Tony. "Dissecting the disk controller." (October 1987) 126

#### HINT

Bouchard, Roger. "Hint." (February 1988) 115 — Bug in HPRINT command. Corrected, April, 1988, p.14.

Caesar, Cornelius. "Hint." (August 1987) 134 -"Useful commands for controlling graphics."

Dugre, Bertrand. "Hint." (July 1987) 156 —Palette

command hints.

Ellenburg, George. "Hint." (March 1988) 80 —High speed poke with cassette recorder.

Gagnon, Marc. "Hint." (August 1987) 138 - Pokes to remove plus/minus signs.

Gagnon, Marc. "Hint." (October 1987) 189 -80column EDTASM+.

Gagnon, Marc. "Hint." (January 1988) 136 —Using INKEY\$

Hameluck, Jeff. "Hint." (September 1987) 136 -EDTASM aid.

Harris, Tim. "Hint." (July 1987) 96 — Use CoCo MAX cartridge.

Hemenway, Ron. "Hint." (February 1988) 38 —

Make disk labels stick better. "Hint." (July 1987) 134 — Put 'call waiting' on hold

"Hint." (August 1987) 24 — Tape recorder I/O fix. "Hint." (August 1987) 148 — "Waiting for the

"Hint." (November 1987) 116 - Disk directory

printout. "Hint." (February 1988) 136 - Placement of disk

drive and TV. "Hint." (March 1988) 144 - Bolt CoCo and Multi-

pak to a piece of plywood.

Mills, David. "Hint." (March 1988) 182 — M/L

autostart Petrak, Darryl L. "Hint." (October 1987) 14 — Resuming from an accidental 'BREAK.' Power, Will C. "Hint." (October 1987) 189 —

Changing color sets. Ritchey, Ralph. "Hint." (September 1987) 166 —

Undo editing changes.

Schmidt, Fred. "Hint." (July 1987) 156 -Keyboard connection modification.

Shelton, Douglas C. "Hint." (August 1987) 98 -Printer repair.

Shinatzki, Steven. "Hint." (October 1987) 14 -Using INKEY.

Stevenson, Colin D. "Hint." (September 1987) 14 - VIP colors.

Stewart, James M. "Hint." (February 1988) 87 -Print using high speed poke. Taggart, Ned M. "Hint." (March 1988) 144 —

Trouble shoot a locked up keyboard.

#### HOME APPLICATION

Allen, David. "CoCo concoctions." (December 1987) 77 APPLEPIE

Anderson, Larry. "CoCo's auto maintenance manager." (April 1988) 58 — Keep maintenance schedules for up to 5 vehicles. MAIN EXPNS

Beckles, Orman Cyril, III. "The Post Office." (March 1988) 104 - Mailing list program. -Major correction, April, 1988, p.30. POST

Bernico, Bill. "I owe, I owe." (January 1988) 82 -Calculate monthly payments. PAYMENTS
Burdon, Kenneth. "WATTS the electrical cost of

appliances." (November 1987) 46 ELECFORM Copley, Don. "Let your CoCo do the walking." (November 1987) 70 — Database for phone numbers. NUMFILE

Dettmann, Harvey. "How cold is it." (October 1987) 82 — Calculate wind chill factor. WINDCHIL

Dingle, Brent. "Improve your typing skills." (January 1988) 82 TYPER

Eizenga, Jack W. "Rules of 78's." (March 1988) 100 - Determine whether to pay off loans ahead of schedule. RULEOF78

Franz, James E. "Stock analyzer." (March 1988) 94 Use it to time investment decisions.

INVTREND

Furman, George R. "Stitch niche-ery." (December 1987)76 — Make embroidery patterns. **EMBROID** 

Holdorf, William J. "Appointment calendar." (January 1988) 100 — Print an appointment book. CALENDAR

Kolesar, Fred. "A CoCo pop-up calendar." (April 1988) 74 CALENDAR

LeBlanc, Brian. "Right back where we started from part 2." (October 1987) 144 FAMILY CHART

LeBlanc, Brian. "Right back where we started from." (September 1987) 102 — Genealogy aid. PAGE

Mayfield, Randy. "That's entertainment." (December 1987) 92 — VCR index VCRTAPES Mayfield, Randy. "VCR tapes update." (February

Mooallem, Saul. "Spreading it on a little thicker." (March 1988) 54 — Spreadsheet program enhanced. SPREAD2

Piersma, Daniel. "The home financial analyst." (April 1988) 112 — Help at tax time. BUDGET RÉPORT

Pittman, Larry P. "Beating the college crunch." (June 1988) 26 — Calculate college saving plan. COLLEGE

Rau, Fred. "Hit the road." (July 1987) 95 —

Vacation log VACATION
Remick, Jeff. "Who'll win on the gridiron?" (December 1987) 78 — Pick football winners.

Ruby, Paul, Jr. "Financial planning for your future." (January 1988) 84 — Analyze savings plan. COCOSAVR

Saunderson, George F. "Making a Christmas address list." (December 1987) 66 — Correction, February 1988, p.14, April 1988, p.14. XMASLIST

Schlottmann, Robert S. "Preparing for Uncle Sam." (January 1988) 112 — Keep tax records in order. Correction, March 1988, p.40. TAX.BAS; TAX-INFO.XX REVFIELD SETUP.BAS

Smiley, J. T. "Happy (un) birthday to you!" (January 1988) 80 — Calculate age in seconds. BIRTHDAY

Spencer, Brad. "Good things are cookin' on CoCo." (April 1988) 28 — Database for recipes. RECIPES

Tinklepaugh, Dale. "Financial time conversions." (April 1988) 34 — Personal financial 'toolbox.' FINANCE

Tottingham, Bill. "Home inventory manager." (April 1988) 42 INVNTORY

Turowksi, Donald. "Keep your memories in order." (December 1987) 46 — Create labels for photo

album. PHOTOTAG
Upperman, James A. "Operation child protect."
(April 1988) 20 — Generate medical authorization form. MED FORM

#### MUSIC

Arko, Lyn. "Listen to what they done." (June 1988) 80 MUSICPRO

Boots, Greg. "Print that tune!" (June 1988) 52 PRINTUNE

Burke, Val. "Playin' the blues." (June 1988) 20 COCOBLUZ

Dods, Stuart C. "Preventing dis-chord." (June 1988) 140 — Learn position of keyboard chords. CHORDS

Golias, Ruth E. "A Christmas potpourri." (December 1987) 100 — Christmas music and graphics. Correction, April 1988, p.14. XMASPORI

Lawrence, Ingrid ; and Bourdeaux, Mark. "Hurray for the red, white and blue." (July 1987) 20 — Music and graphics for the 4th of July. SSBANNER USSONGS

Matthews, Becky F. "CoCo goes country." (June 1988) 36 — Music and graphics of Nashville. ROCKYTOP

Mosley, John. "Do you hear what I hear?" (December 1987) 86 — Correction, June 1988, p.38. XMASSONG MLEDITOR MLSONG Plaster, Gip Wayne. "Adventures in music." (June 1988) 79 THECAVE EXPLORE2

Plaster, Gip Wayne. "From scales to Mozart." (January 1988) 72 MUS1

Shelton, Garry L. "Color composer." (June 1988) 42 — Create and edit songs. SONGWRTR

Shoobs, Bernice. "Too many (hie) bottles of beer." (June 7988J79 99BEERS

Spiller, Jeremy. "Synthesizer sound-off." (June 1988) 102 - Turn PLAY command into a synthesizer. SUPRPLAY WAVEDIT

Thompson, Ernie. "Blast from the past." (June

1988) 96 JUKEBOX
Willoughby, Lauren. "Calibrate your ears." (June 1988) 78 PITCHER

### ONE AND TWO-LINER PROGRAMS

Becwar, Arron. "Two liner contest winner." (February 1988) 77 — Graphics demo.

Bell, Bruce K. "One liner contest winner." (May 1988) 14 — Disk verify program.

Bryson, B. J. "Two liner contest winner." (January 1988) 14 — Graphics demo.

Campbell, Jerry. "One liner contest winner." (June

1988) 12 — Roll dice.

Cooper, Rick. "Two liner contest winner." (January 1988) 14 — Graphics demo. Cunin, K. T. "Two liner contest winner.

(September 1987) 168 — Graphics demo. Demers, James R. "One liner contest winner." (June 1988) 146 - Make address labels.

Dickau, Robert M. "One liner contest winner." (May 1988) 188 —Game

Durant, Evan. "One-liner contest winner." (August 1987) 152 — Scrambled word game.

Fladung, Nick. "One liner contest winner." (June 1988) 188 — Graphics demo.

Florence, Bernard. "One-liner contest winner."

(July 1987) 132 — Graphics demo
Fye, David. "Two liner contest winner." (August 1987) 94 - Game.

Gehrke, Edward R. "One liner contest winner." (May 1988) 33 — Graphics demo.
Gerhardt, Jerry. "Two-liner." (July 1987) 33 —

Weight on different planets.

Gongaware, Dana. "Two liner contest winner." (July 1987) 96 — Graphics demo. Guilford, Lonny. "One liner contest winner." (April

1988) 123 — Graphics demo.

Haussmann, Gary. "One liner contest winner." (March 1988) 46 — Graphics demo.

Hawkinson, Stuart. "One liner contest winner." (May 1988) 189 — Amortization schedule. Hurt, Peter. "One liner contest winner."

(September 1987) 41 — Game.

Keller, Paul. "One liner contest winner." (May 1988) 14 — Draw graphs of functions.

Lowe, Brad. "One liner contest winner." (February 1988)74 — Golf game.

Lowe, Brad. "One liner contest winner." (February 1988) 132 - Disk checker.

Martin, Jim. "One liner contest winner." (June 1988) 12 — Graphics demo.

McClintock, Ronald E. "One liner contest winner." (February 1988) 151 — Game. Nemitz, Vernon. "One liner contest winner."

(December 1987) 14 — PCLEAR routine.

Correction, January, 1988, p.138.
Radachowsky, Sage. "Two liner contest winner."
(October 1987) 22 — Graphics demo.
Rowgo, Russ. "Two liner contest winner."

(September 1987) 77 — Game.

Rucinski, Mark. "Two liner contest winner."

(October 1987) 102 — Graphics demo. Schuler, Keith. "One liner contest winner." (March 1988) 182 — Generate printed chart for adventure games.

Selbee, Keith. "One liner contest winner." (June 1988) 188 — Print cards for cassette boxes. Stewart. James. "Two liner contest winner."

(November 1987) 178 — Graphics demo. Toepke, Michael G. "Two liner contest winner." (January 1988) 69 — Game.

Toon, J. Frederick. "One liner contest winner." (September 1987) 68 — Graphics demo. Unger, Frank, Jr. "One liner contest winner." (June 1988) 16 — Graphics demo.

#### **OPERATING SYSTEMS - OS-9**

Augsburg, Cray. "The impact of Multi-Vue." (February 1988) 152 — User friendly interface for OS-9 Level II."

Barden, William, Jr. "Learning the lingo." (August 1987)168

Dibble, Peter. "Compression filters in saving and restoring graphics screens." (December 1987) 168 RLSQSH.CDUMP SAVEIMAGE COMPRESS GETWINATTR MAKPIPE GETBUFFER

Dibble, Peter. "Polishing off the screen save/dump package." (January 1988) 176
RLEXPND.CDUMP GETIMAGE UNPRESS PUTBUFFER MAKPIPE2

Dibble, Peter. "The problem with BASIC09." (August 1987) 163 BFORK; BFORK.DUMP EDITOR-2 PRINTER

Dibble, Peter. "Sometimes BASIC09 isn't fast enough." (September 1987) 170 SAVEIMAGE

COMPRESS GETBUFFER GETWINATTR
Dibble, Peter. "Using compressed files." (October 1987) 164 UNPRESS

Ewart, Nancy. "C: The beginnings." (November 1987) 168

Ewart, Nancy. "Stalk the fire-breathing dragon." (January 1988) 156 — OS-9 tutorial.
Puckett, Dale L. "A view of Multi-Vue." (March

1988) 180 DSORT; DSORT.ASM

Puckett, Dale L. "Another great beginning." (June 1988) 180 MVSHELL SKIPMUF

Puckett, Dale L. "Back at the drawing board."
(January 1988) 160 PIPEIT KISSDMENU; KISSDRAWFILL + BOX, LINE ETC.
Puckett, Dale L. "Controller attacks halt line

problem." (August 1987) 157 VMODE FILES Puckett, Dale L. "The evolution continues." (November 1987) 180 TEST KISSDRAW4;

KISSDRAWBOX; KISSDRAWARC GETKISSMOUSE DOEVENT HANDLEMENU PLAYBACKPIX RECORDPIX WHICHTOOI

Puckett, Dale L. "New tools, new toys." (April 1988) 160 CO80.PATCH WPDRV.DR; WP.DD; WECHO.DD (+.SRC)
Puckett, Dale L. "An OS-9 convert speaks out."

(July 1987) 167 PRIME-TBLC MACLIST Puckett, Dale L. "Patches, Programs and politics."

(May 1988) 178 CMDGEN DEFSDEMO MAKECMÓGEN Puckett, Dale L. "Primitive drawing tools."

(September 1987) 160 KISSDRAW COCODRAW Puckett, Dale L. "Putting data structures on the drawing board." (December 1987) 180
KISSDRAWPUT; + KISSDRAWBOX, LINE,

CIRCLE, ELLIPSE, BAR GETKISSMOUSE SAVEPIX LOADPIX PREVIEWPIX ERASEPIX HANDLEMENU SETUPMOUSE WHICHTOOL DOEVENT Puckett, Dale L. "Unlock the graphics potential of

OS-9 Level II.: (October 1987) 176 KISSDRAW2 Puckett, Dale L. "Using a fourth-generation database language." (February 1988) 182 KISSCOLOR

White, Richard A. "BASIC09 and Level II: Focusing on modules." (July 1987) 163

# **PRINTER**

Anderson, Doug. "Center that header." (May 1988) 114 — Centered headings on a DMP-110.

Barden, William, Jr. "Taking your printer to the

limit." (December 1987) 172

Brown, Charles E, Jr. "Printing in two columns." (May 1988) 95 LETTER PERSLOGO

Crawford, Gay. "Disk jacket designer for the welldressed diskette." (November 1987) 26 JACKET LONNIE.BINTUXEDO.BIN

Curtis, H. Allen. "A desktop publisher on a shoestring." (October 1987) 58 — Corrections, October 1987, p.24, January 1988, p.138. DESKTOPL: DESKTOPH GENFONT1; GENFONT2

Ellers, Ed. "Printer overview." (May 1988) 110 Handis, John. "A full page dump for the DMP-105." (May 1988) 92 BIGDUMP Howe, Clay. "The LLISTing formatter." (May 1988)

104BESTLIST

Jimenez, Jose L. "Formatting text with Telewriter."

(May 1988) 164

- Perkins. Duáne M. "CoCo 3 color dump." (May 1988) 42 — Dump to the CGP-220. COLORS
- HRSAVE HRLOAD CGPPRINT COLORPIE Quellhorst, George. "Bulletin board standout." (May 1988) 116 - Printing posters with a DMP-130. POSTRPTR
- Schenck, Ed. "Ticket maker." (May 1988) 91 TICKET
- Skaggs, Tracy L. "PMODE polychrome." (May 1988) 58 — Dump PMODE 3 and 4 screens in color. IMAGE

#### QUESTIONS AND ANSWERS

- Downard, Dan. "Downloads." (July 1987) 161 Printer connections: control-z: scroll stopper. etc.
- Downard, Dan. "Downloads." (August 1987) 154 -Disk drives; DLOAD; EDTASM disk I/O; Underlining etc.
- Downard, Dan. "Downloads." October 1987) 163 CD players; BBS; CoCo 3 memory.
- Downard, Dan. "Downloads." (November 1987) 172 — Disassemble BASIC; Deskmate; CoCo3 BBS; Disk crashes.
- Esposito, Richard E. "Doctor ASCII." (December 1987) 124- Printer problems; Modem use; Pirate protection, etc.
- Esposito, Richard E. "Doctor ASCII." (January 1988) 152 — VDG upgrade; Printer control codes: Hard drives, etc. Corrections, February 1988, p. 14, May 1988, p. 154.
- Esposito, Richard E.; and Libra, Richard W. "Doctor ASCII." (July 1987) 126 - Machine language program; MC-10; Pascal; Ink jet; disk drives, etc.
- Esposito, Richard E.; and Libra, Richard W. "Doctor ASCII." (August 1987) 126 — Screen dump; ROM packs on disk; remote keyboard; RS-232, etc.
- Esposito, Richard E.; and Libra, Richard W. "Doctor ASCII." (September 1987) 126 — 1200 baud; speed up poke; smart terminal; Y cable; memory chips, etc.
- Esposito, Richard E.; and Libra, Richard W. "Doctor ASCII." (October 1987)^0 -Lowercase; BASIC09; Disk drive problems; Downloading.
- Esposito, Richard E.; and Libra, Richard W. Doctor ASCII." (November 1987) 126 — RS-232 pak; Telewriter 64 fix; MC-10; Pascal patch, etc.
- Esposito, Richard E.; and Libra, Richard W. "Doctor ASCII." (February 1988) 168 — Cassette to disk transfer; Plug 'n power; OS-9 BBS, etc.
- Esposito, Richard E.; and Libra, Richard W.
  "Doctor ASCII." (March 1988) 164 VIP fix; Hard drive; BBS, etc.
- Esposito, Richard E.; and Libra, Richard W. "Doctor ASCII." (April 1988) 149 - Joysticks; EXEC; Multi-Pak; Downloading, etc.
- Esposito, Richard E.; and Libra, Richard W. "Doctor ASCII." (May 1988) 148 - Disk BASIC 1.1; Swap keyboards; Multi-Vue; Upgrades
- Esposito, Richard E.; and Libra, Richard W. "Doctor ASCII." (June 1988) 166 - Screen dump; Upgrades, etc.
  Goodman, Marty. "CoCo consultations." (July
- 1987) 78 Hi-res joystick interface; hard drive; disk drive cleaning, etc.
  Goodman, Marty. "CoCo consultations." (August
- 1987) 64 Jumpy pictures; pin assignments; disk access problem; etc.
- Goodman, Marty. "CoCo consultations." (September 1987) 95 Daisy wheel printer; RS-232 ROM disable; Touch pad; monitors, etc. Goodman, Marty. "CoCo consultations." (October
- 1987) 103 Color Scripsit; Save graphics to tape; speech/sound; Keyboard problems, etc.
- Goodman, Marty. "CoCo consultations."

  (November 1987) 103 VT-52; Baud rates; Disk
- drives; Serial pin outs. Goodman, Marty. "CoCo consultations." (December 1987) 82 Dead keyboard; Joysticks; Lowercase, etc.
- Goodman, Marty. "CoCo consultations." (January 1988) 149 — Both sides of disk; Atari and Color

- Max; CoCo3 questions, etc.
- Goodman, Marty. "CoCo consultations." (March 1988) 160 — Parallel port; Eprom; 64K upgrades; Surgé protector, etc.
- Goodman, Marty. "CoCo consultations." (April 1988) 142 - Running hot; CM-3 monitor problems; Battery backup, etc.
- Goodman, Marty. "CoCo consultations." (May 1988) 158 Disk controller; VIP speller; BASIC enhancements
- Goodman, Marty. "CoCo consultations." (June 1988) 83 — Hard drive; Upgrade; Trading files, etc.

#### **TUTORIAL**

- Barden, William, Jr. "Delving into the CoCo disk." (January 1988) 180 DISKDUMP; DISKDIR Barden, William, Jr. "Font fascination." (March 1988) 167 — Discussion on character generation. CHAR1000
- Barden, William, Jr. "The mystery of the novice bell ringer, or elementary recursion, Watson." (November 1987) 174
  DiStefano, Tony. "Cache of the day." (July 1987)
- 89 Memory mapping tutorial.
- Drennan, Allen. "Customizing your keyboard." (December 1987) 116 - How to redefine keys. Ellers, Ed. "The care and handling of tapes and disks." (March 1988) 48
- Goodman, Marty; and Cisin, Fred. "Photographing a CRT screen." (December 1987) 58 Kolar, Joseph. "ASCII for it." (November 1987) 163
- Kolar, Joseph. "BASIC training: Swamp think." (May 1988) 82
- Kolar, Joseph. "Basic training; Wading out of the swamp." (June 1988) 88 — Beginning graphics Kolar, Joseph. "Getting acquainted." (September 1987) 97 — Intoduction to CoCo 3.
- Kolar, Joseph. "The Kolar progression." (January 1988) 96 ODDSENDS ZIGZAG
- Kolar, Joseph. "Mission interchangeable." (March 1988) 68 COMPARE; INDEX; SAVELOAD; TOTAL
- Kolar, Joseph. "Much ado about nothing." (October 1987) 84 Kolar, Joseph. "Previewing a program." (February
- 1988) 90 Tutorial on typing in programs.
- Kolar, Joseph. "Reliving your first keystrokes." (April 1988) 80
- Ostler, David D. "BASIC for beginners part 1." (September 1987) 26 CLS VARIABLE
- Ostler, David W. "BASIC for beginners lesson 2." (January 1988) 37 GOSUB COCOCALC Ostler, David W. "BASIC for beginners lesson 3." (February 1988) 20 DATABASE
- Ostler, David W. "BASIC for beginners lesson 4." (March 1988) 82 DATABASE
- Perkins, Duane M. "Programming for the hi-res joystick interface. (February 1988) 122 HIRES-
- Veal, Lee. "A glossary of computer terms." (January 1988) 85
- Weide, Dennis H. "Follow the bread crumbs." (February 1988) 108 How to find machine language addresses. ADRESBAS; ADRESPAS Willoughby, Lauren. "Starting from scratch."
- (January 1988) 20 Tips to get the new user up and running.

## UTILITY

- Bernico, Bill. "Reading data files." (March 1988) 74 FILEREAD
- Bernico, Bill. "Screen scrolling made easy." (October 1987) 26 SCROLL Bernico, Bill. "Secret filenames." (December 1987)
- 38 How to create secret disk filenames.
- Blochowiak, John. "A smooth operator." (January 1988) 78 — Screen scrolling in 40 column mode. Correction, April, 1988, p.14. SMOOTHY
- Breindel, Adam. "Color creator." (January 1988) 78 — Blend colors. COLORMIX
- Campbell, Mark. "Changing the language." (June 1988) 168 — Customize your programming language. RAM CATALYST; CATALYST3 DISKBAS;

- DISK3 LCPATCH2, LCPATCH3
- Clark, Roderick. "An alarming solution." (November 1987) 98 — Alarm clock. ALARM Dawson, David. "Pak to disk transfer." (December
- 1987) 152 PAKXFER
- Doss, Raymond. "Creating data files." (March 1988) 74 — Construct single dimensioned string file. FILEDATA
- Ellis, Richard S. "Joy for joysticks. (August 1987) 91 — Check out your joysticks. JOYCHECK
- England, Carl. "Backup and restore." (April 1988) 72 — Backup disk directory. BRU
  Forgione, Joseph. "Prompt attention." (July 1987)
- 97 Change the cursor prompt. DRIVER; CONVERT
- Goldberg, Stephen B. "Help is on the way." (June 1988) 14 — Create online assistance for any program. HELPMATE
- Hrycaj, Bohdan. "I/O error free." (December 1987) - Cassette loading utility. CALL
- Katsekes, Chuck. "CoCo 3 auto-boot." (June 1988) 32 - Load and run a program at a specified time. AUT03
- Katsekes, Chuck. "Color in 32 columns." (May 1988) 93 PAL32
- Knoppow, Jim. "Hard copy your directory." (February 1988) 81 DIRPRINT
- Lueders, Raymond. "Easy as pie." (April 1988) 99

   Help for the amateur BASIC programmer. UTILITY1
- Masten, Doug. "Auto-executing ML programs." (February 1988) 154 AUTOEXEC
- Needham, Andre. "The ABC's of organization." (February 1988) 80 - Alphabetize disk directory. DIRALPHA
- Ostrer, Ken. "Adjusting your monitor." (January 1988) 80 COLRTEST
- Plaster, Gip Wayne, II. "Phrase centerer." (May 1988) 93 CENTERER
- Purnell, Dick. "They do it with numbers." (December 1987) 74 Convert hex to decimal, etc. CONVERT
- Roberts, Bob. "Yakety-yak, the CoCo talks back." (October 1987) 106 — Use speech/sound cartridge to read your listings. READPROG
- Sapello, Donald. "Debugging with Wordfind." (February 1988) 155 WORDFIND LOADER
- Shoobs, Bernice. "ASCII answers." (June 1988) 82
- **ASCIIREE** Speer, Mike. "Preventing program wipeout." (December 1987) 76 - Disk save utility. SAFE-
- Steele, Chris. "Reading word processing files." (February 1988) 81 ASCIREAD
- Steinbrueck, Richard. "Painless revisions." (February 1988) 155 — Help in saving programs on disk. SAVÉ&RUN
- Turner, Frank. "A CoCo pop-up calculator." (February 1988) 79 CALC
- Virkki, Jyrl J. "Putting on the program squeeze." (February 1988) 157 — Make programs smaller.
- Weide, Dennis H. "The CoCo writes a program." (July 1987) 84 — Use machine language in BASIC." DATAWRIT

# WORD PROCESSING

Hallock, Arthur S. "Color correspondent." (April 1988) 48 — A mini word processor. LETRWRITR

#### **AUTHORS**

- Aftamonow, George ; and Aftamonow, Ellen. "CoCo 3 canvas." (May 1988) 91 CANVAS Alger, Paul. "Caught up in a galactic conflict."
- (November 1987) 78 BBS game. Correction, January, 1988, p.138. NEWGAME GALACTIC REMOTE2
- Allen, David. "CoCo concoctions." (December 1987) 77 APPLEPIE
- Allen, Scot. "The Queen's quarrel." (October 1987)
- 28 Chess like puzzle. QUEENS Anderson, Doug. "Center that header." (May 1988)
- 114 Centered headings on a DMP-110.

  Anderson, Doug. "Personal password protector."

  (November 1987) 95 Random password

generator. PASSWORD

- Anderson, Larry. "CoCo's auto maintenance manager." (April 1988) 58 Keep maintenance schedules for up to 5 vehicles. MAIN EXPNS
- Anderson, Larry. "A stitch in time." (December 1987) 108 XSTITCH
- Archer, David. "CoCo 3 number cruncher." (March 1988) 146 — Spreadsheet program. SUM128 MONTEST
- Arko, Lvn. "Listen to what they done." (June 1988) 80MUSICPRO
- Ashby, Lou. "Keeping score with CoCo." (August 1987) 36 — Keep track of hard won scores. SCOREBRD
- Augsburg, Cray. "Delphi Bureau: A conversation with the CoCo SIG manager." (October 1987)
- Augsburg, Cray. "Delphi Bureau: All roads lead to the CoCo SIG." (*July 1987*) 120 Augsburg, Cray. "Delphi Bureau: Bringing it down!"
- (June 1988) 163
- Augsburg, Cray. "Delphi Bureau: Buffer capture garbage." (September 1987) 46
- Augsburg, Cray. "Delphi Bureau: Delphi's online debate team." (February 1988) 146
- Augsburg, Cray. "Delphi Bureau: Files and protocols." (May 1988) 160 Augsburg, Cray. "Delphi Bureau: Reach out and
- touch someone." (March 1988) 140
- Augsburg, Cray. "Delphi Bureau: Some helpful improvements." (November 1987) 62
- Augsburg, Cray. "Delphi Bureau: The battle line is being drawn." (August 1987) 102
- Augsburg, Cray. "Delphi Bureau: Database downloading." (April 1988) 157
- Augsburg, Cray. "Delphi Bureau: The times are achanging." (December 1987) 121
- Augsburg, Cray. 'The impact of Multi-Vue." (February 1988) 152 User friendly interface for OS-9 Level II.
- Augsburg, Cray. "The vote is in." (February 1988) 36 — Adventure contest report.
- Barden, William, Jr. "An A 'maze' ing adventure." (February 1988) 171 FINDMAZE NEWMAZE
- Barden, William, Jr. "Barden's buffer: The mystery of the Tandy anagram." (May 1988) 170 PALINDRM LETTERS PERMS
- Barden, William, Jr. "Delving into the CoCo disk." (January 1988) 180 DISKDUMP; DISKDIR
- Barden, William, Jr. "Digitizing the world, revisited." (June 1988) 114
- Barden, William, Jr. "Font fascination." (March 1988) 167 — Discussion on character generation. CHAR1000
- Barden, William, Jr. "From flatland to 3-D." (October 1987) 166
- Barden, William, Jr. "Hands-on Hershey." (April 1988) 170 Create various characters. FONTUTIL HFDRIVER EXAMPLE
- Barden, William, Jr. "Learning the lingo." (August 1987) 168
- Barden, William, Jr. "The mystery of the novice bell ringer, or elementary recursion, Watson."
- (November 1987) 174

  Barden, William, Jr. "Taking your printer to the limit." (December 1987) 172

  Beckles, Orman Cyril, III. "The Post Office."
- (March 1988) 104 Mailing list program. -Major correction, April 1988, p.30. POST
- Becwar, Arron. "Two liner contest winner." (February 1988) 77 — Graphics demo.
- Behrmann, Darrel. "It's a touchdown!" (October 7987} 83 FOOTBALL
- Belanger, Allan J. "CoCo concentration." (August 1987) 20 Memory game MEMOCARD Bell, Bruce K. "One liner contest winner." (May
- 1988) 14 Disk verify program.
- Bell, Bruce K. "To overthrow the controllers." (February 1988) 42 — Adventure contest winner. CONTRÓL; CNTRL
- Bell, Mark. "This wreath hangs indoors." (December 1987) 72 WREATH
- Bennett, Jim "Sign in please." (May 1988) 52 -Use the CoCo to copy your signature. SIGNATUR
- Benway, Patrick. "All the colors of the rainbow."

- (December 1987) 74 COLRFEST Berenz, Michael. "An inside view." (July 1987) 97 Disk utility. DISKSEEK
- Bernico, Bill; and Aftamonow, George. "Beat the dealer." (August 1987) 84 BLAKJACK
- Bernico, Bill; and Aftamonow, George. "The clown of a hundred faces." (January 1988) 44 CLOWNS
- Bernico, Bill. "Advertising profit predictor."
- (March 1988) 32 ADPROFIT
  Bernico, Bill. "Any way you slice it." (September 1987) 40 Teach fractions. FRACTION
- Bernico, Bill. "Graphing great guitars." (June 1988) 56 GUITARS
  Bernico, Bill. "How much do you have?"
- (September 1987) 70 Count your money. MONEYJAR
- Bernico, Bill. "I owe, I owe." (January 1988) 82 Calculate monthly payments. PAYMENTS
- Bernico, Bill. "Prepare before you paint." (October 1987) 82 P178&GL
- Bernico, Bill. "Reading data files." (March 1988) 74 **FILEREAD**
- Bernico, Bill. "Screen scrolling made easy." (October 1987) 26 SCROLL
- Bernico, Bill. "Secret filenames." (December 1987) 38 — How to create secret disk filenames.
- Bernico, Bill. "Teacher's pet." (September 1987) 76 — Help teacher total scores. GRADER
- Bernico, Bill. "Ye olde font." (May 1988) 36 Graphics print font styles. SCRNFONT
- Blochowiak, John. "A smooth operator." (January 1988) 78 — Screen scrolling in 40 column mode. Correction, April, 1988, p.14. SMOOTHY
- Blount, Andy. "The power of the mind." (September 1987) 36 — Demonstrates artificial intelligence. ANIMALS
  Blyn, Steve. "Can you afford a burger attack?"
- (January 1988) 54 Estimating expenses. FASTFOOD
- Blyn, Steve. "Differences and similarities." (May 1988) 88 — Review of synonyms, etc. NYMS
- Blyn, Steve. "Electricity and circuit experimentation." (December 1987) 98 — Teach electrical circuits. CIRCUIT
- Blyn, Steve. "Fun with phonics." (March 1988) 89 PHONICS
- Blyn, Steve. "Getting a fix on triangles." (September 1987) 138 TRIANGLE
- Blyn, Steve. "Learning in the end zone." (October 1987) 94 — Educational football quiz. CCBLITZ
- Blyn, Steve. "Number fun for the very young." (August 1987) 97 NUMREVUE
- Blyn, Steve. "Presidential election preview." (April 1988) 70 Polling program. ELECTION
- Blyn, Steve. "Restaurant reckonings." (February 1988) 76 SHOPPING
- Blyn, Steve. "Spell down to vocabulary fitness." (July 1987) 56 Language arts game. SPELDOWN
- Blyn, Steve. "Upgrading keyboard skills. (November 1987) 76 - Typing tutor. TYPING
- Blyn, Steve. "Who, what and where?" (June 1988) 86 Sharpen reference skills. MAGPARTS
- Boots, Greg. "Print that tune!" (June 1988) 52 PRINTUNE
- Bossinger, Sean. "Autodial reaches out across the
- miles." (November 1987) 144 AUTODIAL Bouchard, Roger. "Hint." (February 1988) 115 -Bug in HPRINT command. Corrected, April
- 1988, p. 14.
  Breindel, Adam. "Color creator." (January 1988)
  78 Blend colors. COLORMIX
- Brown, Charles E, Jr. "Printing in two columns." (May 1988) 95 LETTER PERSLOGO
- Bryson, B. J. "Two liner contest winner." (January 1988) 14 — Graphics demo.
- Burdon, Kenneth. "WATTS the electrical cost of appliances." (November 1987) 46 ELECFORM Burke, Val. "Playin' the blues." (June 1988) 20
- COCOBLUZ Caesar, Cornelius. "Hint." (August 1987) 134 -
- 'Useful commands for controlling graphics. Campbell, Jerry. "One liner contest winner." (June 1988) 12 - Roll dice.
- Campbell, Marc. "Changing the language." (June 1988) 168 — Customize your programming

- language. RAM CATALYST; CATALYST3 DISK.BAS; DISK3 LCPATCH2; LCPATCH3
- Carrock, Solla. "Animation film festival." (October 1987) 114 ANIMATE PICTBOOK
- Catlett, Brian. "Wear your heart on your screen." (February 1988) 100 — Electronic Valentine's day card. VALNTINE
- Clark, Roderick. "An alarming solution."
- (November 1987) 98 Alarm clock. ALARM Compton, David. "Undercover CoCo." (April 1988) 73 — Construct cryptograms. ENCRYPT
- Conant, Shawn. "Putting it on their tab." (March 1988) 20 — Print invoices for parts and labor. **BILLGEN**
- Cooney, Mike. "Get the home court advantage." (September 1987) 42 — Basketball scoreboard. SCOREBRD
- Cooper, Rick. "Two liner contest winner." (January 1988) 14 — Graphics demo.
- Copley, Don. "Let your CoCo do the walking." (November 1987) 70 — Database for phone numbers. NUMFILE
- Corson, Alan J. "The CoCo power user." (May 1988) 146 CoCo 3 as an effective office automation tool.
- Crawford, Gay. "Disk Jacket designer for the well-dressed diskette." (November 1987) 26 JACKET LONNIE.BIN TUXEDO.BIN
- Cunin, K. T. "Two liner contest winner." (September 1987) 168 — Graphics demo.
- Curtis, H. Allen. "A desktop publisher on a shoestring." (October 1987) 58 - Corrections, October 1987, p.24, January 1988, p.138. DESK-TOPL: DESKTOPH GENFONT1; GENFONT2
- Curtis, H. Allen. "PALETTEable color mixing." (April 1988) 124 Utility to make color selection easier. COLORMIX
- Curtis, H. Allen. "Screen dump extraordinaire." (October 1987) 30 Correction, November 1987, p.116. SCRNDUMP; SCRNDMPS LP78DMPS TESTSCRN
- Dawson, David. "Pak to disk transfer." (December 1987) 152 PAKXFER
- DellaFave, Renard. "A festival of lights." (December 1987) 28 — Graphics for Hanukkah. HANUKKAH
- DeMarco, Brian. "CoCo caliber." (April 1988) 74 SHOOTEM
- DeMarco, Brian. "Picking up the pieces." (June 1988) 82 COLLECT
- Demers, James R. "One liner contest winner." (June 1988) 146 Make address labels.
- Dettmann, Harvey. "How cold is it." (October 1987) 82 — Calculate wind chill factor. WINDCHIL
- Dibble, Peter. "Compression filters in saving and restoring graphics screens." (December 1987)
  168 RLSQSH.CDUMP SAVEIMAGE COMPRESS GETWINATTR MAKPIPE GETBUFFER
- Dibble, Peter. "A computer's ancient native language." (July 1987) 100 — Assembly
- language aid. CDUMP Dibble, Peter. "Polishing off the screen save/dump package." (January 1988) 176 RLEXPND.CDUMP GETIMAGE UNPRESS PUTBUFFER MAKPIPE2
- Dibble, Peter. "The problem with BASIC09." (August 1987) 163 BFORK; BFORK.DUMP EDITOR-2 PRINTER
- Dibble, Peter. "Sometimes BASIC09 isn't fast enough." (September 1987) 170 SAVEIMAGE COMPRESS GETBUFFER GETWINATTR
- Dibble, Peter. "Using compressed files." (October 1987) 164 UNPRESS
- Dickau, Robert M. "One liner contest winner." (May 1988) 188 — Game
- Dingle, Brent. "Improve your typing skills." (January 1988) 82 TYPER
- DiStefano, Tony. "Beginners-add an LED to your controller." (January 1988) 144 - LED on the disk controller.
- DiStefano, Tony. "Bigger and better Eproms." (March 1988) 158
- DiStefano, Tony. "Build a half-megabyte ROM disk." (April 1988) 154
- DiStefano, Tony. "Build an electronic EPROM

- emulator eraser." (February 1988) 150 DiStefano, Tony. "Building an EPROM emulator." (September 1987) 150
- DiStefano, Tony. "Cache of the day." (July 1987) 89 — Memory mapping tutorial.
- DiStefano, Tony. "Clever uses for memory." (August 1987) 124
- DiStefano, Tony. "Dissecting the disk controller." (October 1987) 126
- DiStefano, Tony. "Finishing the printer adapter." (December 1987) 156
- DiStefano, Tony. "Increasing character display." (June 1988) 138
- DiStefano, Tony. "Multi-pak LED upgrade." (May 1988)168
- DiStefano, Tony. "A new, improved printer adapter." (November 1987) 38
- Dods, Stuart C. "Preventing dis-chord." (June 1988) 140 Learn position of keyboard chords.
- Donald, Steve. "Battle back with munchkin blaster." (August 1987) 44 BLASTER
- Dorrity, Dennis. "Report card payoff." (September 1987) 20 — Total up the report card. GRADES Doss, Raymond. "Creating data files." (March
- 1988) 74 Construct single dimensioned string file. FILEDATA
- Downard, Dan. "Downloads." (July 1987) 161 Printer connections; control-z; scroll stopper,
- Downard, Dan. "Downloads." (August 1987) 154
  —Disk drives; DLOAD; EDTASM disk I/O; Underlining etc.
- Downard, Dan. "Downlaods. (October 1987) 163 CD players; BBS; CoCo 3 memory.
- Downard, Dan. "Downloads." (November 1987) 172 Disassemble BASIC; Deskmate; CoCo3 BBS; Disk crashes.
- Drennan, Allen. "Customizing your keyboard." (December 1987) 116 — How to redefine keys. Dugre, Bertrand. "Hint." (July 1987) 156 —Palette command hints.
- Duncan, James Dale. "Learning your ABCs." (September 1987) 72 LETRGETR
- Durant, Evan. "One-liner contest winner." (August 1987) 152 — Scrambled word game.
  Eizenga, Jack W. "Rules of 78's." (March 1988) 100
- Determine whether to pay off loans ahead of schedule. RULEOF78
- Ellenburg, George. "Hint." (March 1988) 80 —High speed poke with cassette recorder.
- Ellers, Ed. "The care and handling of tapes and disks." (March 1988) 48
- Ellers, Ed. "Printer overview." (May 1988) 110 Ellis, Richard S. "Joy for joysticks. (August 1987) 91 — Check out your joysticks. JOYCHECK
- England, Carl. "Backup and restore." (April 1988) 72 — Backup disk directory. BRU
- English, William D. "Learn CoCo learn." (August 1987) 50 — Artificial intelligence helps CoCo play. COCOLERN
- Esposito, Richard E. "Doctor ASCII." (December 1987) 124 — Printer problems; Modem use; Pirate protection, etc.
- Esposito, Richard E. "Doctor ASCII." (January 1988) 152 — VDG upgrade; Printer control codes; Hard drives, etc. Corrections, February,
- 1988, p.14, May, 1988, p. 154.
  Esposito, Richard E.; and Libra, Richard W.
  "Doctor ASCII." (*July 1987*) 126 Machine language program; MC-10; Pascal; Ink jet; disk drives, etc.
- Esposito, Richard E.; and Libra, Richard W. "Doctor ASCII." (August 1987) 126 — Screen dump; ROM packs on disk; remote keyboard; RS-232, etc.
- Esposito, Richard E.; and Libra, Richard W. "Doctor ASCII." (September 1987) 126 — 1200 baud; speed up poke; smart terminal; Y cable; memory chips, etc.
- Esposito, Richard E.; and Libra, Richard W. "Doctor ASCII." (October 1987) 110 Lowercase; BASIC09; Disk drive problems; Downloading.
- Esposito, Richard E.; and Libra, Richard W. "Doctor ASCII." (November 1987) 126 — RS-232 pak; Telewriter 64 fix; MC-10; Pascal patch, etc.

- Esposito, Richard E.; and Libra, Richard W. "Doctor ASCII." (February 1988) 168 — Cassette to disk transfer; Plug 'n power; OS-9 BBS, etc.
- Esposito, Richard E.; and Libra, Richard W. "Doctor ASCII." (March 1988) 164 - VIP fix; Hard drive; BBS, etc.
- Esposito, Richard E.; and Libra, Richard W. "Doctor ASCII." (April 1988) 149 - Joysticks; EXEC; Multi-Pak; Downloading, etc.
- Esposito, Richard E.; and Libra, Richard W. "Doctor ASCII." (May 1988) 148 — Disk BASIC 1.1: Swap keyboards; Multi-Vue; Upgrades.
- Esposito, Richard E.; and Libra, Richard W. "Doctor ASCII." (June 1988) 166 — Screen dump; Upgrades, etc.
  Ewart, Nancy. "C: The beginnings." (November
- 1987) 168
- Ewart, Nancy, "Stalk the fire-breathing dragon." (January 1988) 156 — OS-9 tutorial.
- Falk, Lawrence C. "Lprint." (June 1988) 10 -Discussion of suit between Apple and Microsoft and HP
- Falk, Lawrence C. "Print#-2." (July 1987) 12 -Sixth anniversary comments.
  Falk, Lawrence C. "Print#-2." (August 1987) 12 —
- Changes for the next year.
- Falk, Lawrence C. "Print#-2." (September 1987) 12 — Discussion of Rainbow Seal of Certification. Falk, Lawrence C. "Print#-2." (October 1987) 12 —
- "We're doing OK."
- Falk, Lawrence C. "Print#-2." (November 1987) 12 — "An exchange of ideas."

  Falk, Lawrence C. "Print#-2." (January 1988) 12 —
- "Keeping in touch."
- Falk, Lawrence C. "Print#-2." (February 1988) 12 — "Some random thoughts."
  Falk, Lawrence C. "Print#-2." (April 1988) 12 —
- 'Seasons of change' (Staff changes at the Rainbow.
- Falk, Lawrence C. "Print#-2." (May 1988) 12 -How the Rainbow supports all models of CoCo's.
- Ferreira, Ken. "Tunnel effects." (November 1987) 96 — Graphics demo. CIRCLE; CIRCLE2
- Fladung, Nick. "One liner contest winner." (June 1988) 188 — Graphics demo.
- Flaishaker, Paul. "Theater management." (August 1987) 88 A puzzle. THEATRE
- Florence, Bernard. "One-liner contest winner." (July 1987) 132 Graphics demo
- Forgione, Joseph. "Prompt attention." (July 1987) 97 — Change the cursor prompt. DRIVER; CONVERT
- Foster, Leslie A. "The sixth year of Rainbow." (July 1987) 145- Index, July 1986 to June 1987.
- Franz, James E. "Stock analyzer." (March 1988) 94 - Use it to time investment decisions. **INVTREND**
- French, Paul. "Usetown annex." (January 1988) 58
   Simulate a city planner. RVSLINE USETOWN
  Furman, George R. "Stitch niche-ery." (December
- 1987) 76 Make embroidery patterns. **EMBROID**
- Fye, David. "Two liner contest winner." (August 1987)94 Game.
- Gabler, David J. "Assembly language; Getting back to BASICS." (June 1988) 144
  Gagnon, Marc. "Hint." (August 1987) 138 Pokes
- to remove plus/minus signs.
- Gagnon, Marc. "Hint." (October 1987) 189 -80column EDTASM+.
- Gagnon, Marc. "Hint." (January 1988) 136 —Using **INKEY\$**
- Gehrke, Edward R. "One liner contest winner." (May 1988) 33 Graphics demo. Gerhardt, Jerry. "Two-liner." (July 1987) 33 —
- Weight on different planets.
- Gleason, Chris. "Hit me if you can." (January 1988) 76 HITME
- Goldberg, Stephen B. "Help is on the way." (June 1988) 14 — Create online assistance for any program. HELPMATE
- Golias, Ruth E. "A Christmas potpourri." (December 1987) 100 — Christmas music and graphics. Correction, April 1988, p.14. XMASPORI

- Gongaware, Dana. "Two liner contest winner."
- (July 1987) 96 Graphics demo. Goodman, Marty ; and Hutchison, Don. "CoCoing abroad." (November 1987) 32 - Using the CoCo overseas.
- Goodman, Marty; and Cisin, Fred. "Photographing a CRT screen." (December 1987) 58
- Goodman, Marty. "CoCo consultations." (July 1987) 78 — Hi-res joystick interface; hard drive;
- disk drive cleaning, etc.
  Goodman, Marty. "CoCo consultations." (August 1987) 64 — Jumpy pictures: pin assignments: disk access problem; etc.
- Goodman, Marty. "CoCo consultations." (September 1987) 95 - Daisy wheel printer; RS-
- 232 ROM disable; Touch pad; monitors, etc. Goodman, Marty. "CoCo consultations." (October 1987) 103 — Color Scripsit; Save graphics to tape; speech/sound; Keyboard problems, etc.
- Goodman, Marty. "CoCo consultations."

  (November 1987) 103 VT-52; Baud rates; Disk
- drives; Serial pin outs. Goodman, Marty. "CoCo consultations." (December 1987) 82 — Dead keyboard; Joysticks; Lowercase, etc.
- Goodman, Marty. "CoCo consultations." (January 1988) 149 - Both sides of disk; Atari and Color Max; CoCo3 questions, etc.
- Goodman, Marty. "CoCo consultations." (March 1988) 160 — Parallel port; Eprom; 64K upgrades; Surge protector, etc.
- Goodman, Marty. "CoCo consultations." (April 1988) 142 - Running hot; CM-3 monitor
- problems; Battery backup, etc.

  Goodman, Marty. "CoCo consultations." (May 1988) 158 — Disk controller; VIP speller; BASIC enhancements.
- Goodman, Marty. "CoCo consultations." (June 1988) 83 — Hard drive; Upgrade; Trading files, etc
- Goodman, Marty. "A guide to RGB analog monitors for the CoCo 3." (August 1987) 68
- Goodman, Marty. "Monitor updates." (November 1987) 33 — Upgrade to August '87 article.
- Gordley, Richard D. "CoCo sets the pace." (September 1987) 140 — Measure reading speed and comprehension. Correction, October 1987, p.50. TACHISTO
- Guilford, Lonny. "One liner contest winner." (April 1988) 123 — Graphics demo.
- Hall, Greg. "A short day's journey into the night." (November 1987) 106 — Graphics demo CITY SUN
- Hallock, Arthur S. "Color correspondent." (April 1988) 48 — A mini word processor. LETRWRITR Hameluck, Jeff. "Hint." (September 1987) 136 — EDTASM aid.
- Handis, John. "A full page dump for the DMP-
- 105." (May 1988) 92 BIGDUMP Harris, Tim. "Hint." (July 1987) 96 Use CoCo MAX cartridge.
- Haupt, Neil. "Help for adventurers." (August 1987) 90 — Adventure map printer. MAPPER
- Haussmann, Gary. "One liner contest winner." (March 1988) 46 Graphics demo.
- Hawkins, Darryl W. "Two screens accompany, but three is not a crowd." (November 1987) 100 - A
- third graphics screen. DEMO Hawkinson, Stuart. "One liner contest winner." (May 1988) 189 — Amortization schedule.
- Hemenway, Ron. "Hint." (February 1988) 38 -Make disk labels stick better.
- Hitko, Don. "Worksheet printer." (March 1988)73 SHÉET
- Holdorf, William J. "Appointment calendar." (January 1988) 100 - Print an appointment book. CALENDAR
- Holsten, Phil. "Helicopter hero." (March 1988) 42 HELIHERO
- Honaker, Scott. "Exercise your drives." (June 1988) 110 FDCAID
- Howe, Clay. "The LLISTing formatter." (May 1988) 104 BESTLIST Hrycaj, Bohdan. "I/O error free." (December 1987)
- 75 Cassette loading utility. CALL Huang, David. "Internal sound." (June 1988) 99 —

- Circuit to produce sound internally. Hurt, Peter. "One liner contest winner." (September 1987) 41 - Game.
- Hutchison, Don. "Database report." (July 1987) 121 —About Delphi.
- Hutchison, Don. "Database report." (August 1987)
- 102 Hutchison, Don. "Database report." (September 7987J46
- Hutchison, Don. "Database report." (October 1987) 100
- Hutchison, Don. "Database report." (November 1987) 63
- Hutchison, Don. "Database report." (December 1987) 121
- Hutchison, Don. "Database report." (February 1988)146
- Hutchison, Don. "Database report." (March 1988)
- Hutchison, Don. "Database report." (April 1988)
- Hutchison, Don. "Database report." (May 1988) 160
- Hutchison, Don. "Database report." (June 1988)
- Hutchison, Don. "Getting started with Delphi." (November 1987) 64
- James, John. "Five in a row." (March 1988) 76 CONNECT5
- Jimenez, Jose L. "Formatting text with Telewriter." (May 1988) 164
- Johnson, Clyde, Jr. "Lunar rescue." (August 1987) 116 RESCUE
- Johnson, Neil. "Scrambled screen of letters." (August 1987) 90 — Memory game. WORD1 Jolley, David. "Start your engines." (August 1987)
- 86 Racing car game SPEEDSTR

  Jones, Tudor. "Solitaire upgrade—automatic finish." (January 1988) 171 - Modification to December 1986, p. 76. Correction, May 1988,
- p. 154. Jorgenson, Michael. "A BBS that's SysOp friendly and hacker hostile." (November 1987) 152 BOOT.BAS BBS-BORD.SYS SYSOP.EDT TEXTGEN.EDT
- Kapfhammer, Jutta. "Building a Rainbow." (September 1987) 16 — Continuing Rainbow's development.
- Kapfhammer, Jutta. "Building April's Rainbow." (April 1988) 16 — Introduction to home help issue
- Kapfhammer, Jutta. "Building February's Rainbow." (February 1988) 16 — Introduction to utilities issue.
- Kapfhammer, Jutta. "Building January's Rainbow." (January 1988) 16 — Introduction to beginner's issue.
- Kapfhammer, Jutta. "Building March's Rainbow." (March 1988) 16 - Introduction to business and finance issue.
- Kapfhammer, Jutta. "Building May's Rainbow." (May 1988) 16 — Upcoming changes. Kapfhammer, Jutta. "Building October's
- Rainbow." (October 1987) 16 Katsekes, Chuck. "CoCo 3 auto-boot." (June 1988) 32 — Load and run a program at a
- specified time. AUT03 Katsekes, Chuck. "Color in 32 columns." (May
- 1988) 93 PAL32 Keller, Paul. "One liner contest winner." (May
- 1988) 14 Draw graphs of functions. Kenny, Keiran. "Alphabet roulette." (November
- 1987J97 ALFAWORD
  Kenny, Keiran. "Laying it on the line." (January 1988,1 73 LINEDRAW
- Kenny, Keiran. "Mirror image." (October 1987) 81 MIRORPIX
- Kerckhoff, Peter. "Sneaky snake." (August 1987) 26 SNEAKY
- Knoppow, Jim. "Hard copy your directory." (February 1988) 81 DIRPRINT
- Koch, Daren. "Bee zapper." (September 1987) 50
- Kolar. Joseph. "ASCII for it." (November 1987) 163
- Kolar, Joseph. "BASIC training: Swamp think." (May 1988) 82

- Kolar, Joseph. "Basic training: Wading out of the swamp." (June 1988) 88 — Beginning graphics Kolar, Joseph. "DRAW statements: Getting the picture." ('Augusf 1987) 149
- Kolar, Joseph. "Getting acquainted." (September 1987) 97 — Intoduction to CoCo 3.
- Kolar, Joseph. "Graphics experience you can draw from." (July 1987) 157 - Use of DRAW command.
- Kolar, Joseph. "The Kolar progression." (January 1988) 96 ODDSENDS ZIGZAG
- Kolar, Joseph. Mission interchangeable." (March 1988) 68 COMPARE; INDEX; SAVELOAD; TOTAL
- Kolar, Joseph. "Much ado about nothing." (October 1987) 84
- Kolar, Joseph. "Parlez-vous CoCo français?" (December 1987) 144
- Kolar, Joseph. "Previewing a program." (February 1988) 90 — Tutorial on typing in programs.
- Kolar, Joseph. "Reliving your first keystrokes." (April 1988)80
- Kolesar, Fred. "A CoCo pop-up calendar." (April 1988) 74 CALENDAR
- Krom, Matt. "Powerful pages." (July 1987) 94 -Graphics demo. HI CIRCLE
- Lamonica, Mary; and Lamonica, James. "Doing the trivia rag." (September 1987) 152 — Trivia game. TRIVIAG; TRIVIAFC Lawrence, Ingrid; and Bourdeaux, Mark. "Hurray
- for the red, white and blue." (July 1987) 20 -Music and graphics for the 4th of July. SSBANNER USSONGS
- Lawson, Matt. "Backup and go." (July 1987) 98 Quicker disk backups. Correction, June 1988, p.38. FASTCOPY
- LeBlanc, Brian. "Right back where we started from part 2." (October 1987) 144 FAMILY CHART LeBlanc, Brian. "Right back where we started
- from." (September 1987) 102 Genealogy aid. PAGE
- Leistico, Dale James. "Delivering the goods." (March 1988) 36 - Bookkeeping system for newspaper carriers. PAPERS
- Levinson, Eric. "The ins and outs of Boolean." (May 1988) 100 Binary math practice. BOOLEAN
- Linge, John M. "Sounding out the ABC's." (February 1988) 142 ABCMRG
- Lowe, Brad. "One liner contest winner." (February 1988) 74 — Golf game.
- Lowe, Brad. "One liner contest winner." (February 1988) 132 —Disk checker.
- Lueders, Raymond. "Easy as pie." (April 1988) 99 Help for the amateur BASIC programmer. UTILITY1
- Machurek, Ed, Jr. "Merry Martian." (October 1987) **79 MARTIAN**
- MacLellan, Gary. "A colorful resistance." (July 1987) 44 — Teach color codes of resistors. RESISTOR
- Marsh, Albert P. "Rootin' tootin' sharpshootin' CoCo." (August 1987) 105 SHOOTN
- Martin, Jim. "One liner contest winner." (June 1988) 12 — Graphics demo.
- Martinez, Louis. "Back to square one." (January 1988) 74 PUZZLE
- Masten, Doug. "Auto-executing ML programs." (February 1988) 154 AUTOEXEC
  Matthews, Becky F. "CoCo goes country." (June
- 1988) 36 Music and graphics of Nashville. ROCKYTOP
- Matthews, Becky F. "Electrifying graphics using PMODE power." (October 1987) 44 ENERGY May, Charles. "Taking stock." (March 1988) 60 —
- Inventory control. STOCK
  Mayeux, Ann B. "ABC is not just child's play." (September 1987) 58 — Introduce kids to
- computers. ABC
  Mayfield, Randy. "That's entertainment."
  (December 1987) 92 VCR index VCRTAPES Mayfield, Randy. "VCR tapes update." (February 1988) 77
- McClintock, Ronald E. "One liner contest winner." (February 1988) 151 — Game.
- McDowell, Jim. "One starry night." (November 1987) 96 — Graphics demo STARS

- McGarrity, A. L. "The perfect disk manager." (July 1987) 30 — Disk utility LOCATOR DISKDATA Miller, Scott; and Cushing, Mike. "Guild of the Kingmaker." (April 1988) 86 KINGBOOT; KING Mills, David. "Hint." (March 1988) 182 — M/L
- Monroe, Richard. "Achieving simple equality." (July 1987) 50 — Educational game for children. BALANCE
- Montgomery, Scott. "Graphics creation transfer."
- (October 1987) 48 GRAFTRAN Mooallem, Saul. "Spreading it on a little thicker." (March 1988) 54 — Spreadsheet program enhanced. SPREAD2

  Moon, J. R. "The blue block blues." (November
- 1987) 97 DODGE
- Morrison, John. "Making magic." (August 1987) 88—A magic square. MAGICSQR
  Mosley, John. "Do you hear what I hear?"
  (December 1987) 86—Correction, June 1988, p.38. XMASSONG MLEDITOR MLSONG
- Musumeci, John. "CoCo's daring flying machine." (January 1988) 73 AIRPLANE
  Musumeci, John. "Goodbye flashcards."
- (September 1987) 72 TIMETABL Needham, Andre. "The ABC's of organization." (February 1988) 80 - Alphabetize disk directory. DIRALPHA
- Nemitz, Vernon. "One liner contest winner." (December 1987) 14 — PCLEAR routine.
- Correction, January, 1988, p.138. Nevin, Bob. "Lotsa luck!" (June 1988) 81 LOTT048
- Onley, Ray. "Child-proofing the CoCo." (January 1988) 142 Keyboard locking switch.
- Ostler, David D. "BASIC for beginners part 1."
- (September 1987) 26 CLS VARIABLE
  Ostler, David W. "BASIC for beginners lesson 2." (January 1988) 37 GOSUB COCOCALC Ostler, David W. "BASIC for beginners lesson 3."
- (February 1988) 20 DATABASE Ostler, David W. "BASIC for beginners lesson 4."
- (March 1988) 82 DATABASE
- Ostrer, Ken. "Adjusting your monitor." (January 1988) 80 COL RTEST
- Ostrom, Steven M. "Artifact colors on CoCo 3's RGB." (February 1988) 114 PATCH LOOK Owens, Tony. "Blockout wipeout." (May 1988) 94
- BLOCKOUT Parker, Sanjay. "Freaky face." (October 1987) 78
- FUNFACE Paroubek, Larry M. "Finding the right person for the job." (January 1988) 106 — Create job descriptions. JOB DESC
- Parson, Louis. "The Kingdom of Le Lutin." (July
- 1987) 58 Adventure game. Correction, October 1987, p. 50. LE LUTIN
  Perkins, Duane M. "CoCo 3 color dump." (May
- 1988) 42 Dump to the CGP-220. COLORS HRSAVE HRLOAD CGPPRINT COLORPIE
- Perkins, Duane M. "Programming for the hi-res joystick interface. (February 1988) 122 HIRESJOY
- Petrak, Darryl L. "Hint." (October 1987) 14 -Resuming from an accidental 'BREAK.'
- Pettus, Ronald. "Plumbing your CoCo. (November 1987) 36 — Making computer stands out of plastic pipe.
  Phillips, George. "Tank command." (June 1988) 60
- Defend terrain against enemy air force. BLITZ1: BLITZ2: BLITZ3
- Piersma, Daniel. "The home financial analyst." (April 1988) 112 — Help at tax time. BUDGET REPORT
- Pittman, Larry P. "Beating the college crunch." (June 1988) 26 — Calculate college saving plan.
- COLLEGE Plaster, Gip Wayne. "Adventures in music." (June 1988) 79 THECAVE EXPLORE2
  Plaster, Gip Wayne. "From scales to Mozart."
- (January 1988) 72 MUS1
- Plaster, Gip Wayne, II. "Phrase centerer." (May 1988) 93 CENTERER
- Plog, Michael. "Computers in school management." (November 1987) 150 Plog, Michael. "Education overview. Approaches
- for lifelong learning." (August 1987) 32

- Plog, Michael. "Learning readiness and computers." (September 1987) 32
- Pokomy, Douglas. "Adding the HPRINT capability to PMODE 4." (May 1988) 155 FOMTDEMO; FONTPOKE ROMRAM
- Power, Will C. "Hint." (October 1987) 189 —
- Changing color sets.

  Preble, Laurence D. "A healthy interface: Body maintenance and computing." (February 1988) 188 — Posture problems and computing.
- Pruyne, Jim. "A star like a wheel." (March 1988) 75 STARS
- Puckett, Dale L. "A view of Multi-Vue." (March 1988) 180 DSORT; DSORT.ASM
- Puckett, Dale L. "Another great beginning." (June 1988) 180 MVSHELL SKIPMUF
- Puckett, Dale L. "Back at the drawing board." (January 1988) 160 PIPEIT KISSDMENU; KISSDRAWFILL + BOX, LINE ETC.
- Puckett, Dale L. "Controller attacks halt line problem." (August 1987) 157 VMODE FILES Puckett, Dale L. "The evolution conlinues."
- (November 1987) 180 TEST KISSDRAW4; KISSDRAWBOX; KISSDRAWARC GETKISSMOUSE DOEVENT HANDLEMENU PLAYBACKPIX RECORDPIX WHICHTOOI
- Puckett, Dale L. "New tools, new toys." (April 1988) 160 CO80.PATCH WPDRV.DR; WP.DD; WECHO.DD (+ .SRC)
  Puckett, Dale L. "An OS-9 convert speaks out."
- (July 1987) 167 PRIME-TBLC MACLIST
- Puckett, Dale L. "Patches, Programs and politics." (May 1988) 178 CMDGEN DEFSDEMO MAKECMÓGEN
- Puckett, Dale L. "Primitive drawing tools."
  (September 1987) 160 KISSDRAW COCODRAW
- Puckett, Dale L. "Putting data structures on the drawing board." (December 1987) 180
  KISDRAWPUT; + KISDRAWBOX, LINE, CIRCLE, ELLIPSE, BAR GETKISSMOUSE SAVEPIX LOADPIX PREVIEWPIX ERASEPIX HANDLEMENU SETUPMOUSE WHICHTOOL DOEVENT
- Puckett, Dale L. "Unlock the graphics potential of OS-9 Level II.: (October 1987) 176 KISSDRAW2
- Puckett, Dale L. "Using a fourth-generation database language." (February 1988) 182 KISSCOLOR
- Purnell, Dick. "They do it with numbers." (December 1987) 74 — Convert hex to decimal, etc. CONVERT
- Quellhorst, George. "Bulletin board standout." (May 1988) 116 — Printing posters with a DMP-130. POSTRPTR
- Radachowsky, Sage. "Two liner contest winner." (October 1987) 22 — Graphics demo.
- Rau, Fred. "Hit the road." (July 1987) 95 Vacation log VACATION
- Reed, James E. "Building a Rainbow." (August 1987) 16 — Introducing Jutta Kapfhammer as
- new Managing Editor.
  Reed, James E. "Building July's Rainbow." (July 1987) 16
- Reed, James E. "Building November's Rainbow." (November 1987) 16 — Introduction to Telecommunications issue.
- Reed, James E. "Print#-2." (December 1987) 12 Wants help writing a book about the CoCo.
- Remick, Jeff. "Who'll win on the gridiron?" (December 1987) 78 Pick football winners. FOOTBALL
- Ritchey, Ralph. "Hint." (September 1987) 166 Undo editing changes.
- Rittenhouse, James E. "Math can be fun." (Sep-
- tember 1987) 71 MATHTCHR Roberts, Bob. "Yakety-yak, the CoCo talks back." (October 1987) 106 Use speech/sound cartridge to read your listings. READPROG Rodriguez, Ana M. "Non-smoking section." (May
- 1988) 90 NO SMOKE
- Rogers, Robert. "Compu match." (February 1988) 30 — Computer dating. MATCH
- Rowgo, Russ. "Two liner contest winner."
- (September 1987) 77 Game. Ruangchotvit, Chinarut. "Castle of death." (February 1988) 65 — Adventure contest winner.

- CASTLE
- Ruby, Paul, Jr. "Financial planning for your future." (January 1988) 84 — Analyze savings plan. COCOSAVR
- Rucinski, Mark. "Two liner contest winner." (October 1987) 102 — Graphics demo.
- Samuels, Edward. "Who's gonna know?" (July
- 1987) 123 Copyright law review.
  Sapello, Donald. "Debugging with Wordfind."
  (February 1988) 155 WORDFIND LOADER
- Sapello, Donald. "Peeling graphics." (February
- 1988) 154 PEELPCLS SAMPLE
  Saunderson, George F. "Making a Christmas address list." (December 1987) 66 Correction, February, 1988, p.14, April 1988, p.14. XMASLIST
- Scerbo, Fred B. "CoCo cathead: 20 seconds into the future." (November 1987) 113 Talking CoCo cathead. CATHEAD
- Scerbo, Fred B. "Getting geared up for safer driving." (September 1987) 90 — Road skills instructor. ROADSKIL
- Scerbo, Fred B. "Grammar 101 Part II." (June 1988) 154 SENTENCE
- Scerbo, Fred B. "Keying into CoCo's power." (July 1987) 112 — Keyboard training. COCOKEYS
- Scerbo, Fred B. "Know what I mean?" (January 1988) 90 — Recognizing complete sentences and fragments. SENTENCE
- Scerbo, Fred B. "On the road again." (December 1987) 52 — Learn traffic safety rules. ROAD II Scerbo, Fred B. "Reading and decoding skills." (May 1988) 74 JUMBLE
- Scerbo, Fred B. "Revising the reservoir." (April 1988) 146 Fixes to recent programs. BLOOD HEART DRIVE2 COCOKEYS SPELLKEY
- Scerbo, Fred B. "Sentence savvy." (March 1988) 78 SENTENCE
- Scerbo, Fred B. "The spelling game." (August 1987) 92 COCOKEY2
- Scerbo, Fred B. "The ultimate testing programs." (February 1988) 94 — Generate quizzes. SUPRTEST
- Scerbo, Fred B. "Understanding verb use." (October 1987) 158 VERBTEST
- Schenck, Ed. "Ticket maker." (May 1988) 91 TICKET
- Schlottmann, Robert S. "Preparing for Uncle Sam." (January 1988) 112 — Keep tax records in order. Correction, March 1988, p.40. TAX.BAS; TAXINFO.XX REVFIELD SETUP.BAS
- Schmidt, Fred. "Hint." (July 1987) 156 -Keyboard connection modification.
- Schuler, Keith. "One liner contest winner." (March 1988) 182 — Generate printed chart for adventure games.
- Selbee, Keith. "One liner contest winner." (June 1988) 188 — Print cards for cassette boxes. Shelton, Douglas C. "Hint." (August 1987) 98
- Printer repair.
- Shelton, Garry L. "Color composer." (June 1988) 42 — Create and edit songs. SONGWRTR
- Shinatzki, Steven. "Hint." (October 1987) 14 Using INKEY.
- Shoobs, Bernice M. "High-tech quilting bee." (April 1988) 75 QUILT
- Shoobs, Bernice. "ASCII answers." (June 1988) 82 **ASCIIREF**
- Shoobs, Bernice. "CoCo cuddler." (January 1988) 74 — Graphics demo. PLAID
- Shoobs, Bernice. "Too many (hie) bottles of beer." (June 1988) 79 99BEERS
- Shortt, Don; and Duncan, M. G. "The Christmas star." (December 1987) 70 XMASSTAR
- Sirolly, Michael T. "Strata." (May 1988) 20 -Action game. STRATA
- Skaggs, Tracy L. "PMODE polychrome." (May 1988) 58 — Dump PMODE 3 and 4 screens in color. IMAGE
- Smiley, J. T. "Happy (un) birthday to you!"

  (January 1988) 80 Calculate age in seconds. BIRTHDAY
- Smith, Bill. "Wipe out letters." (September 1987) 74 CRUNCHER
- Speer, Mike. "Preventing program wipeout." (December 1987) 76 — Disk save utility. SAFESAVE

- Spencer, Brad. "Good things are cookin' on CoCo." (April 1988) 28 — Database for recipes. RECIPES
- Spiller, Jeremy. "Synthesizer sound-off." (June 1988) 102 - Turn PLAY command into a synthesizer. SUPRPLAY WAVEDIT
- Steele, Chris. "Reading word processing files." (February 1988) 81 ASCIREAD
- Steinbrueck, Richard. "Painless revisions." (February 1988) 155 — Help in saving programs on disk. SAVE&RUN
- Stevenson, Colin D. "Hint." (September 1987) 14 - VIP colors.
- Stewart, James M. "Hint." (February 1988) 87 -Print using high speed poke. Stewart, James. "Two liner contest winner."
- (November 1987) 178 Graphics demo. Stewart, Shawn. "Have a hand at hangman."
- (August 1987) 89 HANGMAN
- Sutphin, Ricky. "A demonstration in art." (October 1987) 80 COCOART
- Sutphin, Ricky. "A frightfully good time!" (October 1987) 20 HORROR
- Sward, Steven. "Sub search." (March 1988) 122 SUBSERCH
- Tadman, Sandy. "Life in a fish bowl." (February 1988) 78 — Electronic aquarium. AQUARIUM Taggart, Ned M. "Hint." (March 1988) 144 —
- Trouble shoot a locked up keyboard. Taulli, T. C. "Batter up!" (July 1987) 105 - Trivia
- game based on baseball. TRIVIA Thompson, E. C. "In good form." (March 1988) 72 - Print receipts. RECEIPT
- Thompson, Ernie. "Blast from the past." (June 1988) 96 JUKEBOX
- Tilenius, Eric W. "The urchins from the Black
- Lagoon." (January 1988) 31 URCHIN
  Tinklepaugh, Dale. "Financial time conversions."
  (April 1988) 34 Personal financial 'toolbox.' FINANCE
- Toepke, Michael G. "Two liner contest winner."
- (January 1988) 69 Game. Toon, J. Frederick. "One liner contest winner." (September 1987) 68 — Graphics demo.

  Toscano, Louis R. "The electronic blackboard."
- (September 1987) 106 Mathematics teaching aid. GRAPH
- Tottingham, Bill. "Home inventory manager."
- (April 1988) 42 INVNTORY
  Tucker, Eric. "One good turn deserves another." (May 1988) 30 — Strategy game. FLIPIT
- Turner, Frank. "A CoCo pop-up calculator." (February 1988) 79 CALC Turowksi, Donald. "Keep your memories in order."
- (December 1987) 46 Create labels for photo album, PHOTOTAG
- Unger, Frank, Jr. "One liner contest winner." (June 1988) 16 Graphics demo.
- Upperman, James A. "Operation child protect." (April 1988) 20 — Generate medical authorization form. MED FORM
- Veal, Lee. "A glossary of computer terms."
- (January 1988) 85 Virkki, Jyrl J. "Putting on the program squeeze." (February 1988) 157 — Make programs smaller. CRUSH
- Ward, Logan. "CoCo has all the answers."
- (November 1987) 52 MAGIC3 Weaver, Daniel T. "Graphics reference chart." (May 1988) 92 GRAFCODE
- Weide, Debbie; and Weide, Dennis H. "Galileo and the CoCo." (December 1987) 160 A science project to re-do Galileo's experiment. TIMER.BIN; TIMER.BAS
- Weide, Dennis H. "The CoCo writes a program." (July 1987) 84 — Use machine language in BASIC." DATAWRIT
- Weide, Dennis H. "Follow the bread crumbs." (February 1988) 108 - How to find machine language addresses. ADRESBAS; ADRESPAS
- Weide, Dennis H. "A picture is worth 6144 bytes." (February 1988) 126 Reversing a PMODE 4 graphic. REVERSE1; REVERSE2; REVERSE3; **REVERSE4**
- Weide, Dennis H. "Static RAM interface." (May 1988) 150 — A RAM pack for the CoCo ROM port.

The color gallery." (February 1988) 3 graphics. CHANGER GALLERY

...,, mcnaTd A. "BASIC09 and Level II: Focusing on modules." (*July 1987*) 163 Wiens, Michael F. "CoCo 3 potpourri." (*June 1988*) 158CC3PATCH

Williams, John G. "CoCo draw update." (October 1987) 98 — Update from October 1986, p.59. Correction, December, 1987, p.24. MENUGEN COCODRÁW

Willoughby, Lauren. "Calibrate your ears." (June 1988) 78 PITCHER

Willoughby, Lauren. "Starting from scratch." (January 1988) 20 — Tips to get the new user up and running.
Wilson, Lonni. "A Christmas dream." (December

1987) 20 — Christmas adventure game. DREAM Wolf, Eric A. "Into the danger zone." (August 1987)

58 — F-15 ground assault simulator. F15EAGLE

Wright, Archor. "Initially 3-D." (October 1987) 53 3DLETTER

#### **PRODUCT REVIEWS**

"Address." (March 1988) 132 - Correction, May 1988, p. 154.
"ADOS-3." (*July 1987*) 138
"An education." (*September 1987*) 133
"Art-deli." (October 1987) 134

"Artificial intelligence Tic-Tac-Toe." (June 1988) 133

"Artificial learning file." (January 1988) 130

'Assembly language programming for the CoCo 3. (book)" (June 1988) 132

(book)" (June 1988) 132
"The astro fortune teller." (May 1988) 130
"Auto Dim." (January 1988) 139
"Autoterm 6.1." (March 1988) 132
"Avatex 1200e." (April 1988) 134
"Avatex 2400 modem." (March 1988) 134
"Backup and Backup II" (July 1987) 142

"Backup lightning." (*February 1988*) 136 "Banker II." (*April 1988*) 133 "Basic freedom." (*August 1987*) 135

"Better graphics on your CoCo III (book)." (August 1987) 143
"BTU analysis." (September 1987) 130
"Bug buster." (September 1987) 132
"Caladuril Flame of Light." (December 1987) 135

"CBASIC III." (December 7987) 136

"CCRAM." (June 1988) 130

"Check account information system." (February 1988) 133

1988) 133
"Checkbook \\\\." (July 1987) 133
"Checkerboard filesort." July 1987) 137
"Chemistry tutor." (April 1988) 136
"CoCo address book." (June 1988) 133
"CoCo base I." (March 1988) 130
"CoCo checkbook." (December 1987) 134
"CoCo disk zapper." (December 1987) 131
"CoCo III utilities." (August 1987) 141
"CoCo keyboard extender cable." (November 1987) 137 1987) 137

"CoCo Max II patch." (December 1987) 136
"CoCo Max III." (April 1988) 129
"CoCo midi 2." (September 1987) 133

"CoCo newsroom." (March 1988) 129 "CoCo XT." (April 1988) 137

"CoCo 3 Turbo RAM 512K upgrade. (January 1988) 130

1988) 130
"Color Computer artist." (March 1988; 131
"Color file II." (November 1987) 131
"Color math." (February 1988) 136
"Color Max 3 font editor." (February 1988) 132
"Color Max 3." (October 1987) 129
"Color Scripsit II." (August 1987) 138
"Color Venture RAMDISK." (April 1988) 138
"Currillian cruiser." (February 1988) 132
"Custom palette designer." (August 1987) 134
"Data master." (May 1988) 128

"Custom palette designer." (August 1987)
"Data master." (May 1988) 128
"DeskMate 3." (December 1987) 129
"The Director." (April 1988) 138
"Directory date." (August 1987) 132
"Disk anti-pirate." (September 1987) 133
"D'^ editor \\" (June 1988) 130
"Disk manager." (July 1987) 140

"Disklock." (February 1988) 130

"Dollar wise." (September 1987) 136 "Donald Duck's playground." (September 1987)

"Donut dilemma." (August 1987) 133

"Financial time conversions." (January 1988) 136

"FlightSim I." (April 1988) 135
"Gates of delirium." (Ocfober 7987) 136

"GrafFind." *(April 1988)* 137 "Gridiron." *(August 1987)* 142

"A guide to CoCo 3 basics and graphics." (July 1987) 136

"Hall of the King III." (November 1987) 136
"Hi-Res III." (November 1987) 133

"High resolution joystick interface." (October 1987) 130 — Correction, November, 1987, p.116. "Indiana Jim." (May 1988) 138 "Inventory manager." (December 1987) 132

"IRA analysis." (November 1987) 130

"Iron Cross: War in Russia." (January 1988) 131

"Koronis rift." (August 1987) 136 "Kung-fu dude." (February 1988) 129 "The Lansford Mansion." (November 1987) 132

"Laser surgeon: The microscope mission." (May 1988)126

"Leonardo's pencil." (October 1987) 132

"Lot-pro." (*May* 7988) 130 "Lotzaluk." (*November 1987*) 135

"Magnavox RGB Monitor 80." (August 1987) 140

"Mapper." *(July 1987)* 132

"Master disk." (February 1988) 133 "Maxsound." (June 1988) 126

Maksourid. (*Julie 1980*) 126 "Mickey's space adventure." (*January 1988*) 135 "MLBASIC." (*December 1987*) 138 "Multi-label III." (*July 1987*) 135 "My artist." (*October 1987*) 131

"OS-9 development system." (May 7988) 132

"Phantomgraph." (Apr/7 7988) 135
"Phonebook." (*November 1987*) 136
"Polytint." (*October 1987*) 132

"Polytint." (October 1987) 132
"Print spooler." (August 1987) 132
"Printer lightning." (March 1988) 135
"Printer muffler 80." (November 1987) 129
"Pyramix." (December 1987) 132
"QuikPro+II." (December 1987) 137
"RAMDisk." (January 1988) 138 — Correction,

February 1988, p.14.

"The rat." (May 1988) 137

"REMUSIC 1.0." (May 1988) 136

"Rescue on Fractalus." (November 1987) 133

"RGB patch." (July 1987) 142

"Rickeyterm." (September 1987) 130

"Robot odyssey." (February 1988) 131
"Scan and Restorit." (October 1987) 134

"Screen star/OS-9 text formatter." (October 1987)

"Screenprint." (August 1987) 132 "Shanghai." (March 1988) 138

"Spectrum DOS." (July 1987) 134

"Stock market portfolio." (October 1987) 138

"Sub battle simulator." (June 1988) 134
"Super Extended Basic Unravelled (book)."

(August 1987) 139

"Super graphics 16." (June 1988) 132 'Super tape/disk transfer." (October 1987) 135

"Super laperdisk transfer. (October 1987) 155
"Superdisk utility." (June 1988) 134
"T/S spell." (March 1988) 135
"Telewriter-128." (May 1988) 133
"Telewriter-64 (and modifications)." (August 1987)

143

"Textform." (May 1988) 131
"The third Rainbow book of adventures." (November 1987) 137

"Title." (July 1987) 140

"Tomb of Tien." (May 1988) 129 "Trig attack." (November 1987) 131

"TW-80." (October 1987) 138

"Typ-o-matic." (August 1987) 132
"Ultra editor." (July 1987) 139

"UniStand." (November 1987) 130 "Utility routines volume II." (November 1987) 135

"Vegas slots." (November 1987) 132
"Video cards/Keno." (February 1988) 135 "Winnie the Pooh and the Hundred Acre Wood."

(December 1987) 133

"Wizard's den." (January 1988) 129
"Zandar." (June 1988) 131

"Zone runner." (January 1988) 131

#### **RAINBOW ON TAPE/DISK**

ABC Mayeux, Ann B. "ABC is not just child's play." (September 1987) 58 - Introduce kids to computers.

computers.

ABCMRG Linge, John M. "Sounding out the ABC's." (February 1988) 142

ADPROFIT Bernico, Bill. "Advertising profit predictor." (March 1988) 32

ADRESBAS; ADRESPAS Weide, Dennis H. "Follow the bread crumbs." (February 1988) 108

— How to find machine language addresses.

AIRPLANE Musumeci, John. "CoCo's daring flying machine." (January 1988) 73

ALARM Clark, Roderick. "An alarming solution." (November 1987) 98 — Alarm clock.

ALFAWORD Kenny, Keiran. "Alphabet roulette." (November 1987) 97

ANIMALS Blount, Andy. "The power of the mind." (September 1987) 36 — Demonstrates artificial intelligence.

ANIMATE Carrock, Solla. "Animation film

festival." (October 1987) 114
APPLEPIE Allen, David. "CoCo concoctions."

(December 1987) 77
AQUARIUM Tadman, Sandy. "Life in a fish bowl." (February 1988) 78 — Electronic aquarium. ASCIIREF Shoobs, Bernice. "ASCII answers."

(June 1988) 82 ASCIREAD Steele, Chris. "Reading word processing files." (February 1988) 81 AUTODIAL Bossinger, Sean. "Autodial reaches

out across the miles." (November 1987) 144 AUTOEXEC Masten, Doug. "Auto-executing ML programs." (February 1988) 154

AUT03 Katsekes, Chuck. "CoCo 3 auto-boot." (June 1988) 32 - Load and run a program at a specified time.

BALANCE Monroe, Richard. "Achieving simple equality." (July 1987) 50 - Educational game for children.

BBS-BORD.SYS Jorgenson, Michael. "A BBS that's SysOp friendly and hacker hostile." (November 1987) 152

BEEZAP Koch, Daren. "Bee zapper." (September 1987) 50

BESTLIST Howe, Clay. "The LLISTing formatter." (May 1988) 104

BFORK: BFORK.DUMP Dibble, Peter. "The problem with BASIC09." (August 1987) 163 BIGDUMP Handis, John. "A full page dump for the DMP-105." (May 1988) 92

BILLGEN Conant, Shawn. "Putting it on their tab." (March 1988) 20 - Print invoices for parts and labor

BIRTHDAY Smiley, J. T. "Happy (un) birthday to you!" (January 1988) 80 - Calculate age in seconds.

BLAKJACK Bernico, Bill; and Aftamonow, George. "Beat the dealer." (August 1987) 84 BLASTER Donald, Steve. "Battle back with

munchkin blaster." (August 1987) 44 BLITZ1; BLITZ2; BLITZ3 Phillips, George. "Tank command." (June 1988) 60 — Defend terrain against enemy air force.

BLOCKOUT Owens, Tony. "Blockout wipeout." (May 1988) 94

BLOOD Scerbo, Fred B. "Revising the reservoir." (April 1988) 146 — Fixes to recent programs. BOOLEAN Levinson, Eric. "The ins and outs of Boolean." (May 1988) 100 — Binary math

practice BOOT.BAS Jorgenson, Michael. "A BBS that's SysOp friendly and hacker hostile." (November

1987) 152 BRU England, Carl. "Backup and restore." (April

1988) 72 — Backup disk directory. BUDGET Piersma, Daniel. "The home financial analyst." (April 1988) 112 — Help at tax time. CALC Turner, Frank. "A CoCo pop-up calculator."

(February 1988) 79
CALENDAR Holdorf, William J. "Appointment calendar." (January 1988) 100 — Print an appointment book. Kotesar, fT©d."KCoCo popup calendar." (April 1988) 74

- CALL Hrycaj, Bohdan. "I/O error free." (December
- 1987) 75 Cassette loading utility.
  CANVAS Aftamonow, George; and Aftamonow, Ellen. "CoCo 3 canvas." (May 1988) 91
- CASTLE Ruangchotvit, Chinarut. "Castle of death." (February 1988) 65 - Adventure contest winner.
- CATALYST; CATALYST3 Campbell, Marc. "Changing the language." (June 1988) 168 -Customize your programming language.
- CATHEAD Scerbo, Fred B. "CoCo cathead: 20 seconds into the future." (November 1987) 113 - Talking CoCo cathead.
- CCBLITZ Blyn, Steve. "Learning in the end zone." (October 1987) 94 Educational football quiz. CC3PATCH Wiens, Michael F. "CoCo 3 potpourri." (June 1988) 158
- CDUMP Dibble, Peter. "A computer's ancient native language." (July 1987) 100 — Assembly language aid.
- CENTERER Plaster, Gip Wayne, II. "Phrase centerer." (May 1988) 93
- CGPPRINT Perkins, Duane M. "CoCo 3 color dump." (May 1988) 42 — Dump to the CGP-220.
- CHANGER White, Eric. "The color gallery. (February 1988) 85 CoCo 3 graphics.
- CHART LeBlanc, Brian. "Right back where we started from part 2." (October 1987) 144
- CHAR1000 Barden, William, Jr. "Font fascination."

  (March 1988) 167 Discussion on character generation.
- CHORDS Dods. Stuart C. "Preventing dis-chord." (June 1988) 140 — Learn position of keyboard chords.
- CIRCLE Krom, Matt. "Powerful pages." (July 1987) 94 Graphics demo.
- CIRCLE; CIRCLE2 Ferreira, Ken. "Tunnel effects." (November 1987) 96 — Graphics demo.
  CIRCUIT Blyn, Steve. "Electricity and circuit
- experimentation." (December 1987) 98 Teach electrical circuits
- CITY SUN Hall, Greg. "A short day's journey into the night." (November 1987) 106 — Graphics demo
- CLOWNS Bernico, Bill; and Aftamonow, George. "The clown of a hundred faces." (January 1988)
- CLS Ostler, David D. "BASIC for beginners part 1." (September 1987)26
- CMDGEN Puckett, Dale L. "Patches, Programs
- and politics." (May 1988) 178
  COCOART Sutphin, Ricky. "A demonstration in art." (October 1987) 80
- COCOBLUZ Burke, Val. "Playin' the blues." (June 1988) 20
- COCOCALC Ostler, David W. "BASIC for beginners lesson 2." (January 1988) 37 COCODRAW Puckett, Dais . "Drimitive drawing tools." (September 1987) 160 Williams, John G. "CoCo draw update." (October 1987) 98 — Update from October 1986, p.59. Correction,
- December, 1987, p.24. COCOKEYS Scerbo, Fred B. "Keying into CoCo's power." (July 1987) 112 — Keyboard training. Scerbo, Fred B. "Revising the reservoir." (April
- 1988) 146 Fixes to recent programs. COCOKEY2 Scerbo, Fred B. "The spelling game." (August 1987)92
- COCOLERN English, William D. "Learn CoCo learn." (August 1987) 50 - Artificial intelligence helps CoCo play.
- COCOSAVR Ruby, Paul, Jr. "Financial planning for your future." (January 1988) 84 - Analyze savings plan.
- COLLECT DeMarco, Brian. "Picking up the pieces." (June 1988) 82
- COLLEGE Pittman, Larry P. "Beating the college crunch." (June 1988) 26 — Calculate college saving plan.
- COLORMIX Breindel, Adam. "Color creator. (January 1988) 78 - Blend colors. Curtis, H. Allen. "PALETTEable color mixing." (April 1988) 124 — Utility to make color selection easier.
- COLORPIE Perkins, Duane M. "CoCo 3 color dump." (May 1988) 42 - Dump to the CGP-220. COLORS Perkins, Duane M. "CoCo 3 color
- dump." (May 1988) 42 Dump to the CGP-220.

- COLRTEST Ostrer, Ken. "Adjusting your
- monitor." (January 1988) 80 COLRFEST Benway, Patrick. "All the colors of the rainbow." (December 1987) 74
- COMPARE; INDEX; SAVELÓAD; TOTAL Kolar, Joseph. Mission interchangeable." (March 1988)
- COMPRESS Dibble, Peter. "Compression filters in saving and restoring graphics screens." (December 1987) 168 Dibble, Peter. "Sometimes BASIC09 isn't fast enough." (September 1987) 170
- CONNECT5 James, John. "Five in a row." (March 1988)76
- CONTROL; CNTRL Bell, Bruce K. "To overthrow the controllers." (February 1988) 42 -Adventure contest winner.
- CONVERT Purnell, Dick. "They do it with numbers." (December 1987) 74 — Convert hex to decimal etc.
- CO80.PATCH Puckett, Dale L. "New tools, new toys." (April 1988) 160 CRUNCHER Smith, Bill. "Wipe out letters."
- (September 1987) 74 CRUSH Virkki, Jyrl J. "Putting on the program
- squeeze." (February 1988) 157 Make programs smaller.
- DATABASE Ostler, David W. "BASIC for beginners lesson 3." (February 1988) 20 Ostler, David W. "BASIC for beginners lesson 4." (March 1988) 82
- DATAWRIT Weide, Dennis H. "The CoCo writes a program." (July 1987) 84 — Use machine language in BASIC.
- DEFSDEMO Puckett, Dale L. "Patches, Programs and politics." (May 1988) 178
- DEMO Hawkins, Darryl W. "Two screens accompany, but three is not a crowd. (November 1987) 100 - A third graphics screen.
- DESKTOPL; DESKTOPH Curtis, H. Allen. "A desktop publisher on a shoestring." (October 1987) 58
   Corrections, October 1987, p.24, January 1988,
- DIRALPHA Needham, Andre. "The ABC's of organization." (February 1988) 80 Alphabetize disk directory.
- DIRPRINT Knoppow, Jim. "Hard copy your directory." (February 1988) 81
- DISK.BAS; DISK3 Campbell, Marc. "Changing the language." (June 1988) 168 — Customize your programming languagé.
- DISKDATA McGarrity, A. L. "The perfect disk manager." (July 1987) 30 — Disk utility DISKDUMP; DISKDIR Barden, William, Jr.
- "Delving into the CoCo disk." (January 1988) 180
- DISKSEEK Berenz, Michael. "An inside view." (July 1987) 97 — Disk utility.
  DODGE Moon, J. R. "The blue block blues."
- (November 1987) 97
- DOEVENT Puckett, Dale L. "The evolution continues." (November 1987) 180 Puckett, Dale L. "Putting data structures on the drawing board." (December 1987) 180
- DREAM Wilson, Lonni. "A Christmas dream." (December 1987) 20 - Christmas adventure
- DRIVER; CONVERT Forgione, Joseph. "Prompt attention." (July 1987) 97 Change the cursor prompt.
- DRIVE2 Scerbo, Fred B. "Revising the reservoir." (April 1988) 146 — Fixes to recent programs. DSORT; DSORT.ASM Puckett, Dale L. "A view of
- Multi-Vue." (March 1988) 180 EDITOR-2 Dibble, Peter. "The problem with
- BASIC09." (August 1987) 163 ELECFORM Burdon, Kenneth. "WATTS the electrical cost of appliances." (November 1987)
- ELECTION Blyn, Steve. "Presidential election preview." (April 1988) 70 Polling program.
- EMBROID Furman, George R. "Stitch niche-ery." (December 1987) 76 Make embroidery
- ENCRYPT Compton, David. "Undercover CoCo." (Apr/7 7988; 73 — Construct cryptograms.

- ENERGY Matthews, Becky F. "Electrifying graphics using PMODE power." (October 1987) 44
- ERASEPIX Puckett, Dale L. "Putting data structures on the drawing board." (December
- EXAMPLE Barden, William, Jr. "Hands-on Hershey." (April 1988) 170 — Create various characters.
- EXPLORE2 Plaster, Gip Wayne. "Adventures in music." (June 1988) 79
- EXPNS Anderson, Larry. "CoCo's auto maintenance manager." (April 1988) 58 Keep maintenance schedules for up to 5 vehicles.
- FAMILY LeBlanc, Brian. "Right back where we started from part 2." (October 1987) 144
- FASTCOPY Lawson, Matt. "Backup and go." (July 1987) 98 — Quicker disk backups. Correction, June 1988, p.38.
- FASTFOOD Blyn, Steve. "Can you afford a burger attack?" (January 1988) 54 - Estimating expenses.
- FDCAID Honaker, Scott. "Exercise your drives." (June 1988) 110
- FILEDATA Doss, Raymond. "Creating data files." (March 1988) 74 — Construct single
- dimensioned string file.
  FILEREAD Bernico, Bill. "Reading data files." (March 1988) 74
- FILES Puckett, Dale L. "Controller attacks halt line problem." (August 7987,1 157
- FINANCETinklepaugh, Dale. "Financial time conversions." (April 1988) 34 - Personal financial 'toolbox.'
- FINDMAZE Barden, William, Jr. "An A 'maze' ing adventure." (February 1988) 171
- FLIPIT Tucker, Eric. "One good turn deserves another." (May 1988) 30 — Strategy game.
- FONTDEMO; FONTPOKE Pokorny, Douglas. 'Adding the HPRINT capability to PMODE 4." (May 1988) 155
- FONTUTIL Barden, William, Jr. "Hands-on Hershey." (April 1988) 170 Create various characters.
- FOOTBALL Behrmann, Darrel. "It's a touchdown!" (October 1987) 83 Remick, Jeff. "Who'll win on the gridiron?" (December 1987) 78 — Pick football winners.
- FRACTION Bernico, Bill. "Any way you slice it." (September 1987) 40 — Teach fractions.
- FUNFACE Parker, Sanjay. "Freaky face." (October 1987) 78 F15EAGLE Wolf, Eric A. "Into the danger Zone."
- (August 1987) 58 F-15 ground assault simulator.
- GALACTIC Alger, Paul. "Caught up in a galactic conflict." (November 1987) 78 - BBS game. Correction, January 1988, p.138.
- GALLERY White, Eric. "The color gallery." (February 1988) 85 — CoCo 3 graphics.
- GENFONT1; GENFONT2 Curtis, H. Allen. "A Desktop publisher on a shoestring." (October 1987) 58 — Corrections, October 1987, p.24, January 1988, p.138.
- GETBUFFER Dibble, Peter. "Compression filters in saving and restoring graphics screens."
  (December 1987) 168 Dibble, Peter. "Sometimes
  BASIC09 isn't fast enough." (September 1987)
- GETIMAGE Dibble, Peter. "Polishing off the screen save/dump package." (January 1988) 176
- GETKISSMOUSE Puckett, Dale L. "The evolution continues." (November 1987) 180 Puckett, Dale L. "Putting data structures on the drawing
- board." (December 1987) 180 GETWINATTR Dibble, Peter. "Compression filters in saving and restoring graphics screens.' (December 1987) 168 Dibble, Peter. "Sometimes BASIC09 isn't fast enough." (September 1987)
- GOSUB Ostler, David W. "BASIC for beginners
- lesson 2." (January 1988) 37 GRADE\$ Dorrity, Dennis. "Report card payoff." (September 1987) 20 Total up the report card.
- GRADER Bernico, Bill. "Teacher's pet."

- (September 1987) 76 Help teacher total scores
- GRAFCODE Weaver, Daniel T. "Graphics reference chart." (May 1988) 92
- GRAFTRAN Montgomery, Scott. "Graphics creation transfer." (October 1987) 48 GRAPH Toscano, Louis R. "The electronic

blackboard." (September 1987) 106 Mathematics teaching aid.
GUITARS Bernico, Bill. "Graphing great guitars."

(June 1988) 56

HANDLEMENU Puckett, Dale L. "The evolution continues." (November 1987) 180 Puckett, Dale L. "Putting data structures on the drawing board." (December 1987) 180

HANGMAN Stewart, Shawn. "Have a hand at hangman." (August 1987) 89 HANUKKAH DellaFave, Renard. "A festival of

- lights." (December 1987) 28 Graphics for Hanukkah
- HEART Scerbo, Fred B. "Revising the reservoir." (April 1988) 146 — Fixes to recent programs. HELIHERO Holsten, Phil. "Helicopter hero." (March 1988) 42
- HELPMATE Goldberg, Stephen B. "Help is on the way." (June 1988) 14 — Create online assistance for any program.
- HFDRIVER Barden, William, Jr. "Hands-on Hershey." (April 1988) 170 — Create various characters.
- HI Krom, Matt. "Powerful pages." (July 1987) 94 -Graphics demo.
- HIRESJOY Perkins, Duane M. "Programming for the hi-res joystick interface. (February 1988) 122
- HITME Gleason, Chris. "Hit me if you can." (January 1988) 76
- HORROR Sutphin, Ricky. "A frightfully good time!" (October 1987) 20
- HRLOAD Perkins, Duáne M. "CoCo 3 color dump." (May 1988) 42 — Dump to the CGP-220. HRSAVE Perkins, Duane M. "CoCo 3 color dump." (May 1988) 42 — Dump to the CGP-220.

  IMAGE Skaggs, Tracy L. "PMODE polychrome."
- (May 1988) 58 Dump PMODE 3 and 4 screens in color
- INVNTORY Tottingham, Bill. "Home inventory
- manager." (Apr/7 1988; 42 INVTREND Franz, James E. "Stock analyzer." (March 1988) 94 - Use it to time investment decisions
- JACKET Crawford, Gay. "Disk jacket designer for the well-dressed diskette." (November 1987) 26 JOB DESC Paroubek, Larry M. "Finding the right person for the job." (January 1988) 106 — Create job descriptions.
- JOYCHECK Ellis, Richard S. "Joy for joysticks. (August 1987) 91 — Check out your joysticks. JUKEBOX Thompson, Ernie. "Blast from the
- past." (June 1988)96

  JUMBLE Scerbo, Fred B. "Reading and decoding skills." (May 1988) 74
- KINGBOOT; KING Miller, Scott; and Cushing, Mike. "Guild of the Kingmaker." (April 1988) 86 KISSCOLOR Puckett, Dale L. "Using a fourth-
- generation database language." (February 1988)
- KISSDMENU; KISSDRAWFILL + BOX, LINE ETC. Puckett, Dale L. "Back at the drawing board." (January 1988) 160
- KISSDRAW Puckett, Dale L. "Primitive drawing tools." (September 1987) 160
  KISSDRAWPUT; + KISSDRAWBOX, LINE,
- CIRCLE, ELLIPSE, BAR Puckett, Dale L.
  "Putting data structures on the drawing board." (December 1987) 180
- KISSDRAW2 Puckett, Dale L. "Unlock the graphics potential of OS-9 Level II.: (October 1987) 176
- KISSDRAW4; KISSDRAWBOX; KISSDRAWARC Puckett, Dale L. "The evolution continues." (November 1987) 180 LCPATCH2; LCPATCH3 Campbell, Marc.
- "Changing the language." (June 1988) 168 Customize your programming language. LE LUTIN Parson, Louis. "The Kingdom of Le

- Lutin." (July 1987) 58 Adventure game. Correction, October 1987, p. 50.
- LETRGETR Duncan, James Dale. "Learning your ABCs." (September 1987) 72
- LETRWRITR Hallock, Arthur S. "Color correspondent." (April 1988) 48 - A mini word processor
- LETTER Brown, Charles E, Jr. "Printing in two columns." (May 1988) 95
- LETTERS Barden, William, Jr. "Barden's buffer: The mystery of the Tandy anagram." (May 1988)
- LINEDRAW Kenny, Keiran. "Laying it on the line." (January 1988) 73
- (January 1986) 73
  LOADER Sapello, Donald. "Debugging with wordfind." (February 1988) 155
  LOADPIX Puckett, Dale L. "Putting data structures on the drawing board." (December 1987) 180
- LOCATOR McGarrity, A. L. "The perfect disk manager." (July 1987) 30 Disk utility
- LONNIE.BIN Crawford, Gay. "Disk jacket designer for the well-dressed diskette." (November 1987)
- LOOK Ostrom, Steven M. "Artifact colors on CoCo 3's RGB." (February 1988) 114 LOTT048 Nevin, Bob. "Lotsa luck!" (June 1988)
- LP78DMPS Curtis, H. Allen. "Screen dump
- extraordinaire." (October 1987) 30 Correction, November 1987, p.116. MACLIST Puckett, Dale L. "An OS-9 convert
- speaks out." (July 1987) 167
- MAGICSQR Morrison, John. "Making magic." (August 1987) 88 — A magic square.
- MAGIC3 Ward, Logan. "CoCo has all the answers." (November 1987) 52
- MAGPARTS Blyn, Steve. "Who, what and where?" (June 1988) 86 — Sharpen reference skills.
  MAIN Anderson, Larry. "CoCo's auto maintenance
- manager." (April 1988) 58 Keep maintenance
- manager. (April 1909) 36 Reep maintenant schedules for up to 5 vehicles.

  MAKECMDGEN Puckett, Dale L. "Patches, Programs and politics." (May 1988) 178

  MAKPIPE Dibble, Peter. "Compression filters in saving and restoring graphics screens.
- (December 1987) 168 MAKPIPE2 Dibble, Peter. "Polishing off the screen save/dump package." (January 1988) 176 MAPPER Haupt, Neil. "Help for adventurers."
- (August 1987) 90 Adventure map printer. MARTIAN Machurek, Ed, Jr. "Merry Martian." (October 1987) 79
- MATCH Rogers, Robert. "Compu match." (February 1988) 30 — Computer dating.
- MATHTCHR Rittenhouse, James E. "Math can be fun." (September 1987) 71
- MED FORM Upperman, James A. "Operation child protect." (*April 1988*) 20 Generate medical authorization form.
- MEMOCARD Belanger, Allan J. "CoCo concentration." (August 1987) 20 — Memory
- MENUGEN Williams, John G. "CoCo draw update." (October 1987) 98 Update from October 1986, p.59. Correction, December 1987,
- MİRORPIX Kenny, Keiran. "Mirror image." (October 1987) 81
- MLEDITOR Mośley, John. "Do you hear what I hear?" (December 1987) 86 - Correction, June
- MLSONG Mosley, John. "Do you hear what I hear?" (December 1987) 86 - Correction, June 1988, p.38.
- MONEYJAR Bernico, Bill. "How much do you have?" (September 1987) 70 - Count your
- MONTEST Archer, David. "CoCo 3 number cruncher." (March 1988) 146 — Spreadsheet program.
- MUSICPRO Arko, Lyn. "Listen to what they done." (June 1988) 80
- MUS1 Plaster, Gip Wayne. "From scales to Mozart." (January 1988) 72 MVSHELL Puckett, Dale L. "Another great
- beginning." (June 1988) 180

- 99BEERS Shoobs, Bernice. "Too many (hie) bottles of beer." (June 1988) 79
- NEWGAME Alger, Paul. "Caught up in a galactic conflict." (November 1987) 78 — BBS game. Correction, January 1988, p.138.
- NEWMAZE Barden, William, Jr. "An A 'maze' ing adventure." (February 1988) 171
- NO SMOKE Rodriguez, Ana M. "Non-smoking section." (May 1988) 90
- NUMFILE Copley, Don. "Let your CoCo do the walking." (November 1987) 70 Database for phone numbers.
- NUMREVUE Blyn, Steve. "Number fun for the very young." (August 1987) 97

  NYMS Blyn, Steve. "Differences and similarities."
- (May 1988) 88 Review of synonyms, etc.

  ODDSENDS Kolar, Joseph. "The Kolar
- progression." (January 1988) 96
  PAGE LeBlanc, Brian. "Right back where we
- started from." (September 1987) 102 Genealogy aid.
- PAKXFER Dawson, David. "Pak to disk transfer." (December 1987) 152
- PALINDRM Barden, William, Jr. "Barden's buffer: The mystery of the Tandy anagram." (May 1988)
- PALPRINT White, Eric. "The color gallery."
  (February 1988) 85 CoCo 3 graphics.
  PAL32 Katsekes, Chuck. "Color in 32 columns."
- (May 1988) 93
- PAPERS Leistico, Dale James. "Delivering the goods." (March 1988) 36 Bookkeeping system
- for newspaper carriers.

  PASSWORD Anderson, Doug. "Personal password protector." (November 1987) 95 —
- Random password generator.

  PATCH Ostrom, Steven M. "Artifact colors on CoCo 3's RGB." (February 1988) 114

  PAYMENTS Bernico, Bill. "I owe, I owe." (January 1989) 2000 Coloridate articles.
- 1988) 82 Calculate monthly payments. PEELPCLS Sapello, Donald. "Peeling graphics."
- (February 1988) 154 PERMS Barden, William, Jr. "Barden's buffer: The mystery of the Tandy anagram." (May 1988) 170 PERSLOGO Brown, Charles E, Jr. "Printing in two
- columns." (May 1988) 95 PHONICS Blyn, Steve. "Fun with phonics." (March
- PHOTOTAG Turowksi, Donald. "Keep your memories in order." (December 1987) 46 — Create labels for photo album.
- PICTBOOK Carrock, Solla. "Animation film festival." (October 1987) 114
- PIPEIT Puckett, Dale L. "Back at the drawing
- board." (January 1988) 160 PITCHER Willoughby, Lauren. "Calibrate your ears." (June 1988) 78
- PLAID Shoobs, Bernice. "CoCo cuddler." (January 1988) 74 — Graphics demo.
  PLAYBACKPIX Puckett, Dale L. "The evolution
- continues." (November 1987) 180
- POST Beckles, Orman Cyril, III. "The Post Office." (March 1988) 104 - Mailing list program. -Major correction, April, 1988, p.30.
- POSTRPTR Quellhorst, George. "Bulletin board standout." (May 1988) 116 — Printing posters withaDMP-130.
- PREVIEWPIX Puckett, Dale L. "Putting data structures on the drawing board." (December 1987)180
- PRIME-TBL.C Puckett, Dale L. "An OS-9 convert speaks out." (July 1987) 167
  PRINTER Dibble, Peter. "The problem with
- BASIC09." (August 1987) 163
- PRINTUNE Boots, Greg. "Print that tune!" (June 1988) 52
- PUTBUFFER Dibble, Peter. "Polishing off the screen save/dump package." (January 1988) 176
- PUZZLE Martinez, Louis. "Back to square one." (January 1988) 74
- P178&GL Bernico, Bill. "Prepare before you
- paint." (October 7987) 82

  QUEENS Allen, Scot. "The Queen's quarrel."

  (October 1987) 28 Chess like puzzle.

  QUILT Shoobs, Bernice M. "High-tech quilting

bee." (April 1988) 75

- RAM Campbell, Marc. "Changing the language." (June 1988) 168 — Customize your programming language.
- READPROG Roberts, Bob. "Yakety-yak, the CoCo talks back." (October 1987) 106 — Use speech/sound cartridge to read your listings.
  RECEIPT Thompson, E. C. "In good form." (March

1988) 72 — Print receipts.

- RECIPÉS Spencer, Brad. "Good things are cookin' on CoCo." (April 1988) 28 - Database for
- RECORDPIX Puckett, Dale L. "The evolution continues." (November 1987) 180
- REM Anderson, Larry. "CoCo's auto maintenance manager." (April 1988) 58 — Keep maintenance schedules for up to 5 vehicles.
- REMOTE2 Alger, Paul. "Caught up in a galactic conflict." (November 1987) 78 BBS game. Correction, January, 1988, p.138.
- REPORT Piersma, Daniel. "The home financial analyst." (April 1988) 112 — Help at tax time. RESCUE Johnson, Clyde, Jr. "Lunar rescue." (August 1987) 116
- RESISTOR MacLellan, Gary. "A colorful resistance." (July 1987) 44 — Teach color codes of resistors.
- REVERSE1; REVERSE2; REVERSE3; REVERSE4 Weide, Dennis H. "A picture is worth 6144 bytes." (February 1988) 126 - Reversing a PMODE 4 graphic.
- REVFIELD Schlottmann, Robert S. "Preparing for Uncle Sam." (January 1988) 112 - Keep tax records in order. Correction, March, 1988, p.40.
- RLEXPND.CDUMP Dibble, Peter. "Polishing off the screen save/dump package." (January 1988)
- RLSQSH.CDUMP Dibble, Peter. "Compression filters in saving and restoring graphics screens." (December 1987) 168
- ROAD II Scerbo, Fred B. "On the road again." (December 1987) 52 — Learn traffic safety rules.
- ROADSKIL Scerbo, Fred B. "Getting geared up for safer driving." (September 1987) 90 Road skills instructor.
- ROCKYTOP Matthews, Becky F. "CoCo goes country." (June 1988) 36 — Music and graphics of Nashville
- ROMRAM Pokorny, Douglas. "Adding the HPRINT capability to PMODE 4." (May 1988) 155 RULEOF78 Eizenga, Jack W. "Rules of 78's."
- (March 1988) 100 Determine whether to pay off loans ahead of schedule.
- RVSLINE French, Paul. "Usetown annex." (January 1988) 58 — Simulate a city planner.
- SAFESAVE Speer, Mike. "Preventing program wipeout." (December 1987) 76 Disk save utility.
- SAMPLE Sapello, Donald. "Peeling graphics." (February 1988)154
  SAVE&RUN Steinbrueck, Richard. "Painless
- revisions." (February 1988) 155 Help in saving programs on disk.
- SAVEIMAGE Dibble, Peter. "Compression filters in saving and restoring graphics screens." (December 1987) 168 Dibble, Peter. "Sometimes BASIC09 isn't fast enough." (September 1987)
- SAVEPIX Puckett, Dale L. "Putting data structures on the drawing board." (December 1987) 180 SCOREBRD Ashby, Lou. "Keeping score with CoCo." (August 1987) 36 — Keep track of hard won scores. Cooney, Mike. "Get the home court advantage." (September 1987) 42 - Basketball scoreboard.
- SCRNDUMP; SCRNDMPS Curtis, H. Allen. "Screen dump extraordinaire." (October 1987) 30 - Correction, November 1987, p.116.
- SCRNFONT Bernico, Bill. "Ye olde font." (May 1988) 36 —Graphics print font styles.

  SCROLL Bernico, Bill. "Screen scrolling made
- easy." (October 1987) 26
- SENTENCE Scerbo, Fred B. "Grammar 101 Part II." (June 1988) 154 Scerbo, Fred B. "Know what I mean?" (January 1988) 90 — Recognizing complete sentences and fragments. Scerbo,

- Fred B. "Sentence savvy." (March 1988) 78 SETUP.BAS Schlottmann, Robert S. "Preparing for Uncle Sam." (January 1988) 112 - Keep tax
- records in order. Correction, March 1988, p.40. SETUPMOUSE Puckett, Dale L. "Putting data structures on the drawing board." (December 1987) 180
- SHEET Hitko, Don. "Worksheet printer." (March 1988) 73
- SHOOTEM DeMarco, Brian. "CoCo caliber." (April
- SHOOTN Marsh, Albert P. "Rootin' tootin'
- sharpshootin' CoCo." (August 1987) 105 SHOPPING Blyn, Steve. "Restaurant reckonings." (February 1988) 76
- SIGNATUR Bennett, Jim "Sign in please." (May 1988) 52 —Use the CoCo to copy your signature.
- SKIPMUF Puckett, Dale L. "Another great beginning." (June 1988) 180 SMOOTHY Blochowiak, John. "A smooth
- operator." (January 1988) 78 Screen scrolling in 40 column mode. Correction, April, 1988, p.14.
- SNEAKY Kerckhoff, Peter. "Sneaky snake." (August 1987) 26
- SONGWRTR Shelton, Garry L. "Color composer."
- (June 1988) 42 Create and edit songs.

  SPEEDSTR Jolley, David. "Start your engines."

  (August 1987) 86 Racing car game
- SPELDOWN Blyn, Steve. "Spell down to vocabulary fitness." (July 1987) 56 - Language arts game.
- SPELLKEY Scerbo, Fred B. "Revising the reservoir." (April 1988) 146 - Fixes to recent programs.
- SPREAD2 Mooallem, Saul. "Spreading it on a little thicker." (March 1988) 54 - Spreadsheet program enhanced.
- SSBANNER Lawrence, Ingrid; and Bourdeaux, Mark. "Hurray for the red, white and blue." (July 1987) 20 - Music and graphics for the 4th of
- STARS McDowell, Jim. "One starry night."

  (November 1987) 96 Graphics demo Pruyne,
  Jim. "A star like a wheel." (March 1988) 75

  STOCK May, Charles. "Taking stock." (March
- 1988) 60 —Inventory control. STRATA Sirolly, Michael T. "Strata." (May 1988)
- 20 -Action game.
- SUBSERCH Sward, Steven. "Sub search." (March 1988)122
- SUM128 Archer, David. "CoCo 3 number cruncher." (March 1988) 146 - Spreadsheet program.
- SUPRPLAY Spiller, Jeremy. "Synthesizer soundoff." (June 1988) 102 — Turn PLAY command into a synthesizer.
- SUPRTEST Scerbo, Fred B. "The ultimate testing programs." (February 1988) 94 — Generate quizzes.
- SYSOP.EDT Jorgenson, Michael. "A BBS that's SysOp friendly and hacker hostile." (November 1987) 152
- TACHISTO Gordley, Richard D. "CoCo sets the pace." (September 1987) 140 Measure reading speed and comprehension. Correction, October 1987, p.50.
- TAX.BAS; TAXINFO.XX Schlottmann, Robert S. "Preparing for Uncle Sam." (January 1988) 112 - Keep tax records in order. Correction, March 1988, p.40.
- 3DLETTER Wright, Archor. "Initially 3-D." (October 1987) 53
- TEST Puckett, Dale L. "The evolution continues." (November 1987) 180
- TESTSCRN Curtis, H. Allen. "Screen dump extraordinaire." (October 1987) 30 — Correction, November 1987, p.116.
- TEXTGEN.EDT Jorgenson, Michael. "A BBS that's SysOp friendly and hacker hostile." (November
- THEATRE Flaishaker, Paul. "Theater
- management." (August 1987) 88 A puzzle. THECAVE Plaster, Gip Wayne. "Adventures in
- music." (June 1988) 79
  TICKET Schenck, Ed. "Ticket maker." (May 1988)

- TIMER.BIN; TIMER.BAS Weide, Debbie; and Weide, Dennis H. "Galileo and the CoCo." (December 1987) 160 — A science project to re
  - do Galileo's experiment. TIMETABL Musumeci, John. "Goodbye flashcards." (September 1987) 72 TRIANGLE Blyn, Steve. "Getting a fix on

  - triangles." (September 1987) 138 TRIVIA Taulli, T. C. "Batter up!" (July 1987) 105 -Trivia game based on baseball.
- TRIVIAG; TRIVIAFC Lamonica, Mary; and Lamonica, James. "Doing the trivia rag." (September 1987) 152 — Trivia game.
- TUXEDO.BIN Crawford, Gay. "Disk jacket designer for the well-dressed diskette." (November 1987) 26
- TYPER Dingle, Brent. "Improve your typing skills." (January 1988) 82
- TYPING Blyn, Steve. "Upgrading keyboard skills."
- (November 1987) 76 Typing tutor.
  UNPRESS Dibble, Peter. "Polishing off the screen save/dump package." (January 1988) 176
  Dibble, Peter. "Using compressed files."
  (October 1987) 164
- URCHIN Tilenius, Eric W. "The urchins from the Black Lagoon." (January 1988) 31
- USETOWN French, Paul. "Usetown annex." (January 1988) 58 — Simulate a city planner.
- USSONGS Lawrence, Ingrid; and Bourdeaux, Mark. "Hurray for the red, white and blue." (July 1987) 20 - Music and graphics for the 4th of July.
- UTILITY1 Lueders, Raymond. "Easy as pie." (April 1988) 99 — Help for the amateur BASIC programmer.
- VACATION Rau, Fred. "Hit the road." (July 1987) 95 —Vacation log VALNTINE Catlett, Brian. "Wear your heart on
- your screen." (February 1988) 100 Electronic Valentine's day card.
- VARIABLE Ostler, David D. "BASIC for beginners
- part 1." (September 1987) 26 VCRTAPES Mayfield, Randy. "That's entertainment." (December 1987) 92 VCR
- VERBTEST Scerbo, Fred B. "Understanding verb use." (October 1987) 158
- VMODE Puckett, Dale L. "Controller attacks halt line problem." (*August 1987*) 157 WAVEDIT Spiller, Jeremy. "Synthesizer sound-off." (*June 1988*) 102 Turn PLAY command into a synthesizer.
- WHICHTOOL Puckett, Dale L. "Putting data structures on the drawing board." (December 1987) 180
- WHICHTOOI Puckett, Dale L. "The evolution continues." (November 1987) 180
- WINDCHIL Dettmann, Harvey. "How cold is it." (October 1987) 82 Calculate wind chill factor. WORDFIND Sapello, Donald. "Debugging with wordfind." (February 1988) 155
- WORD1 Johnson, Neil. "Scrambled screen of letters." (August 1987) 90 — Memory game. WPDRV.DR; WP.DD; WECHO.DD (+ .SRC)
- Puckett, Dale L. "New tools, new toys." (April 1988)160
- WREATH Bell, Mark. "This wreath hangs indoors." (December 1987) 72
- XMASLIST Saunderson, George F. "Making a Christmas address list." (December 1987) 66
   Correction, February, 1988, p.14, April, 1988,
- XMASPORI Golias, Ruth E. "A Christmas pot-pourri." (December 1987) 100 Christmas music and graphics. Correction, April 1988, p.14.
- XMASSONG Mosley, John. "Do you hear what I hear?" (December 1987) 86 — Correction, June 1988, p.38.
- XMASSTAR Shortt, Don; and Duncan, M. G. "The Christmas star." (December 1987) 70
- XSTITCH Anderson, Larry. "A stitch in time." (December 1987) 108 ZIGZAG Kolar, Joseph. "The Kolar progression."

# The Eighth Year of Rainbow

An index to the articles, programs, reviews and authors appearing in THE RAINBOW from July 1988 through June 1989.

Compiled and Edited by Leslie A. Foster

Copyright 1989, Falsoft, Inc.

#### TOTAL NUMBER OF ARTICLES (July 1981 - June 1989) - 4657

This is the sixth index to THE RAINBOW.

Previous indexes are available as follows:

July 1981 -June 1984 - July 1984 issue July 1984-June 1985 - July 1985 issue July 1985-June 1986 — July 1986 issue July 1986-June 1987 — July 1987 issue July 1987 - June 1988 — July 1988 issue

Breakdown of articles: The subject breakdown, and number of items per heading are shown below. The number following in brackets is the total number of articles published since 1981 in that topic.

Assembly Language 15 (60) Clubs 2 (17) Communications 21 (113) Disk 1 (63) Editorial comment 12 (58) Education 35 (290) Games 45 (337) General 23 (202) Graphics 55 (328) Hardware project 15 (72) Hardware tutorial 5 (28) Hints 8 (65) Home application 23 (148) Music 5 (71) One-and Two-liners 21 (120) Operating systems - OS-9 21 (124) Printer 4 (81) Product reviews 137 (1818) Questions and answers 32 (133) Rainbow on tape/disk 236 (2031) Tutorial 13 (89) Utility 31 (201) Word processing 4 (18)

Author listings 377 (2657)

Total number of articles 528 (4657)

Leslie A. Foster is the System Manager of Novanet, a jointly-owned computer library system/or the academic libraries in Halifax, Nova Scotia.

#### ASSEMBLY LANGUAGE

Barden, William, Jr. "Barden's buffer: Assembly language for the complete novice part 2. (October 1988) 132 PONGBIN: PONGBAS

Barden, William, Jr. "Barden's buffer: Assembly language for the complete novice." (September 1988) 150

Nee, William P. "Machine language made BASIC part 1: General Math." (July 1988) 100 SORTBAS; SORTBIN
Nee, William P. "Machine language made BASIC

part 2: High finances." (August 1988) 137 FINANBAS; FINANBIN
Nee, William P. "Machine language made BASIC

part 3: What a dump!" (September 1988) 98 DUMPBAS;DUMPBIN

Nee, William P. "Machine language made BASIC part 4: Getting graphic. (October 1988) 48

Nee, William P. "Machine language made BASIC part 5: Get the point." (November 1988) 80 POINTBAS; POINTBIN

Nee, William P. "Machine language made BASIC part 6: Draw the line." (December 1988) 104 BASLINE; BINLINE

Nee, William P. "Machine language made BASIC part 7: Around in circles." (January 1989) 90 CIRCLES; ARCS

Nee, William P. "Machine language made BASIC part 8: And more math." (February 1989) 96

Nee, William P. "Machine language made BASIC part 9: Let there be music." (March 1989) 30 **MLNOTES** 

Nee, William P. "Machine language made BASIC part 10: Two-dimensional rotation. (April 1989) 72 DEMO; DRIVER; ROTATION

Nee, William P. "Machine language made BASIC part 11: 3-D without glasses." (May 1989)82

ROTATE3D; DRIVER; ALTOROTAT

Nee, William P. "Machine language made BASIC part 12: And the music played on." (June 1989)

Reid, Randall, "A patch for a patch." (February 1989) 80 - Modify EDTASM for 80 column screen. Correction, June 1989, p.66. EDPATCH; **EDLOADER** 

#### **CLUBS**

"Clubs, clubs, clubs." (January 1989) 40 - Listing of CoCo clubs.

Hathaway, Ed. "CoCo clubs: Building a great foundation." (January 1989) 34 — How to organize a club.

#### COMMUNICATIONS

Alger, Paul. "A REMOTE update." (November 1988) 110 — Update to BBS system. REMOTE3; BASLOAD; REMDEMO

Augsburg, Cray. "Delphi bureau: A place of your own." (August 1988) 152 - Finding online help and creating a workplace.

Augsburg, Cray. "Delphi bureau: Creating online." (September 1988) 118

Augsburg, Cray. "Delphi bureau: Downloading problems." (July 1988) 150
Augsburg, Cray. "Delphi bureau: Time for a change." (October 1988) 64

"The BBS's in North America." (November 1988)

Grubb, Robert John. "CoBBS Xmodem routines." (November 1988) 88 XMRECV.ASM; XMSEND.ASM; XMRECV.SYS; XMRECPK.BAS,

Hutchison, Don. "Delphi Bureau: CoCo DOS?" (April 1989) 50

Hutchison, Don. "Delphi bureau: At your service." (May 1989)40

Hutchison, Don. "Delphi bureau: Common questions." (December 1988) 148 - Includes Database report.
Hutchison, Don. "Delphi bureau: Database

report." (August 1988) 152 Hutchison, Don. "Delphi bureau: Database report." (July 1988) 150

Hutchison, Don. "Delphi bureau: Database report." (October 1988) 64

Hutchison, Don. "Delphi bureau: Database report." (September 1988) 118

Hutchison, Don. "Delphi bureau: Haven't I seen you before? (November 1988) 33 - Includes database report. Hutchison, Don. "Delphi bureau: What's goin' on?"

Hutchison, Don. "Delphi bureau: Who has the time?" (January 1989) 114- Includes Database

Hutchison, Don. "Working together: Delphi and tape I/O." (August 1988) 156 — Two utilities to help download programs using Modem Pak. TAPCNV; BASFIX

Hutchison, Don. "The computer connection." (November 1988) 28 — Connecting a CoCo to other computers.

Jenkins, Dave. "So you want to be a SysOp." (November 1988)35
Sloan, Kevin. "A CoBBS update." (November

1988) 16 — Modifying the CoBBS system to work with the CoCo3. COBBS/SYS; USER/SYS

Goodman, Marty. "A hard drive for your CoCo." (March 1989) 44

# **EDITORIAL COMMENT**

Falk, Lawrence C. "Print#-2." (April 1989) 10 -'CoCo's Canadian future

Falk, Lawrence C. "Print#-2." (August 1988) 10 — Some Post-RAINBOWfest reflections.

Falk, Lawrence C. "Print#-2." (December 1988) 10 - 'A season for reflection.

Falk, Lawrence C. "Print#-2." (February 1989) 10 'Here to stay.'

- Falk, Lawrence C. "Print#-2." (January 1989) 10 -Starting the year off right.
- Falk, Lawrence C. "Print#-2." (July 1988) 10 -The dream machine.'
- Falk, Lawrence C. "Print#-2." (June 1989) 12 'Something akin to a miracle.'
  Falk, Lawrence C. "Print#-2." (March 1989) 10 —
- 'What's good for General Bullmoose...' Falk, Lawrence C. "Print#-2." (May 1989) 10 —
- 'Balancing a Rainbow.'
- Falk, Lawrence C. "Print#-2." (November 1988) 8
- 'Computer uses—you decide.' Falk, Lawrence C. "Print#-2." (October 1988) 10 'October magic'
- Falk, Lawrence C. "Print#-2." (September 1988) 10 The computer's place in education.'

#### **EDUCATION**

- Bernico, Bill. "Buy a CoCo and see the world." (September 1988) 70 — Map of the world. WORLD.
- Blyn, Steve. "Education notes: Animal stories." (March 1989) 28 - Language arts program for elementary school children. PETSTORY
- Blyn, Steve. "Education notes: Break it up." (April 1989) 98 — Dictionary skills program. DICTNARY
- Blyn, Steve. "Education notes: Carrier's collection chart." (August 1988) 80 — Interpreting a newspaper delivery chart. NEWSCOST
- Blyn, Steve. "Education notes: Fraction action." (May 1989) 56 FRACTION
- Blyn, Steve. "Education notes: Give 'em an inch." (January 1989) 72 — Convert inches to feet and yards. CONVERT
- Blyn, Steve. "Education notes: Locating the topic." (September 1988) 136 Cross reference drill. REFERNCE
- Blyn, Steve. "Education notes: Motor math." (July 1988) 54 — Practice in solving verbal math problems. GASQUIZ
- Blyn, Steve. "Education notes: Shooting math."
- (June 1989) 76 MATHSHOT Blyn, Steve. "Education notes: The blink of an eye." (February 1989) 105 Increase students' memorization abilities. TACHISTO
- Blyn, Steve. "Education notes: Time's up!" (December 1988) 102 — A working alarm clock. ALARM
- Blyn, Steve. "Education notes: You can't get there from here." (November 1988) 40 Reading exercise. MAPPER
- Cooper, Rick. "States and capitals." (September 1988) 60 STATES
- Cooper, Rick. "The big bad wolf." (September 1988) 34 — Fantasy joins forces with CoCo to help children's reading skills. BADWOLF
- Gordley, Richard D. "Long division drill." (September 1988) 53 DIVISION
- Johnson, Samuel D. "EduSpell." (December 1988) 42 — First in a series developing a talking, spelling tutor. SPELLER; ROMRAM; SETHELP;
- Kenny, Keiran. "All things in progression." (January 1989) 61 — Charade-like education game.
- Kenny, Keiran. "Answers for your questions." (September 1988) 72 Quiz game. FLEXQUIZ
- Kenny, Keiran. "Mental math blocks." (September 1988) 71 ADDBLOKS
- Kolar, Joseph. "BASIC training: Thirty days hath September." (July 1988) 86 Tutorial to teach students the months of the year. 12MONTHS
- Miller, Ralph D. "Washington, Adams, Jefferson...." (November 1988) 102 Presidential drill. PRESDENT
- Ostrer, Ken. "Odd one out." (November 1988) 77

   Drill for even and odd numbers. EVENODD
- Queen, William A., III. "Math drill." (May 1989) 76 MATHDRILL
- Scerbo, Fred B. "Wishing Well: How much time?" (April 1989) 89 — Calculate differences in time. TIMECARÓ
- Scerbo, Fred B. "Wishing Well: Matching opposites." (August 1988) 92 — Basic vocabulary for elementary students. OPOSITE1 Scerbo, Fred B. "Wishing well: CoCo uses some

- comma sense!" (July 1988) 156 Training on
- correct comma usage. COMMAS Scerbo, Fred B. "Wishing well: Count on CoCo." (February 1989) 82 Program designed to teach fundamental math skills to new students. COUNTME
- Scerbo, Fred B. "Wishing well: Growing up with CoCo." (November 1988) 146 - Building on skills developed in earlier games. PICTURES
- Scerbo, Fred B. "Wishing well: Hold that thought!" (December 1988) 150 'Make composition writing simple.' BRAINSTM
  Scerbo, Fred B. "Wishing well: Just say goodnight
- Gracie." (June 1989) 87 WEEKDAYS Scerbo, Fred B. "Wishing well: Opposite
- attraction." (September 1988) 92 Concentration-like game. MATCH
- Scerbo, Fred B. "Wishing well: Twelve months of fun." (May 1989) 92 CALENDAR
- Scerbo, Fred B. "Wishing well: Where's the logic?" (January 1989) 80 ANALOGY
- Turowski, Donald A. "A seat for everyone and everyone in his seat." (September 1988) 45 —
- Seating chart for classroom. SEATCHRT
  Weaver, Dan; and Weaver, John. "When in Rome." (September 1988) 71 — Learn Roman numerals. ROMANMRL

#### GAME

- Alger, Paul. "Seeking immortality." (August 1988) 76 — Find number of 'men' in a game. IMMORTALITY
- Barden, William, Jr. "Barden's Buffer: Food for worms." (February 1989) 144 WORMDRVR; WORMSMPL
- Barden, William, Jr. "Barden's buffer: The puzzling pentomino." (December 1988) 164 PENTPUZL Bell, Bruce K. "Bingo, the CoCo way." (August
- 1988) 38 Correction, Feb. 89, p.76 BINGOTLK Bernico, Bill. "Child's play." (August 1988) 44
- BUGGIE
- Bleckley, Logan, III. "Wordmake." (June 1989) 91 WORDMAKE
- Bly, Merwyn. "One liner contest winner." (August 1988) 89
- Carlin, Kenneth. "Taking on the one-armed bandit." (October 1988) 88 SLOTS
- Chapel, Lee J. "For the love of gold." (December 1988) 58 — Adventure game. -- Correction, April 1989, p.48. PROS1; PROS2; SCRN1; SCRN2; **MAKEPROS**
- Crawford, Gay. "Tangled tiles." (February 1989) 28
   Game and puzzle BLUEVOID
  Dater, Andrew. "The Hit list." (August 1988) 87
  Keep track of the body count in role-playing games. KILLER
- Dillon, John. "Adventure game mapping techniques." (August 1988) 114 Dingle, Brent. "CoCo pong." (January 1989) 63
- COCOPONG
- Donze, Jeff. "Lunar lander." (May 1989) 28 LANDERGG; LANDER
- Duggins, Larry. "Teed off." (March 1989) 58 -Golf game GOLFER
- Dunn, Christopher. "It's a toad's life." (February 1989) 43 TOADER
- Elms, Stephen. "It's a bug-eat-bug world." (November 1988) 76 CENTPEDE
  Halbrook, Travis. "May the force be with you?"
- (July 1988) 85 PSYCHIC
- Hameluck, Jeff. "Sea War." (August 1988) 20 SEAWAR
- Kenny, Keiran. "Guess who." (July 1988) 83 **GUESSWHO**
- Kenny, Keiran. "Left beats right." (June 1989) 89 REACTION
- Kenny, Keiran. "What's missing?" (August 1988.) 79 MEMORY
- Klein, Joel F. "It's your move." (August 1988) 28 Chess simulation. CHESS
- Lamonica, James ;and Lamonica, Mary Jean. "Clue me in!" (September 1988) 65 — Charades game CLUEFILE; CLUEWORD
- Lowry, James Kevin. "Minding your X's and Y's." (August 1988) 77 JOYZAP
- Massie, Warren. "CoCo says..." (February 1989) 89 SIMON
- McKernan, Chris. "Escape from Tut's tomb parts 2

- and 3." (August 1988) 58 Correction, October 1988, p.84 2PART1; 2PART2; 3PART1; 3PART2
- McKernan, Chris. "Escape from Tut's tomb." (July 1988) 58 - Arcade game written in machine language. ONE; TWO; THREE; FOUR
- Moore, Clayton R. "Asteroid dodge." (June 1989) 90 ASTEROID
- Moore, Mike. "The Christmas tree puzzle." (December 1988) 20 — 'Can you plant the royal Christmas trees as the king desires? TREEPUZZ
- Nalos, Paul. "Elevators." (June 1989) 90 **ELEVATOR**
- O'Brien, Dan. "Towers of Hanoi." (February 1989) 90 HANOI
- Osborne, Gary. "Hit the slopes!" (January 1989) 63 **DOWNHILL**
- Presley, Chad. "Winging it." (August 1988) 78 FLIGHT
- Pucella, Ric. "Hot stuff." (May 1989) 76 HOTCOLD Quellhorst, George. "Sontaire, the next generation." (December 1988) 36 - 'Adding color to solitaire on the CoCo3.' SOLTAIR3
- Riley, Russell, Jr. "Boggling your mind." (February 1989) 91 HEADSUP
- Ronald, Bruce W. "One of our pool balls must be crazy!" (July 1988) 28 — Logic problem tester. BALL3; BALL2
- Ronald, Bruce W. "The crazy pool ball explained." (August 1988) 18 - Solution to last month's problem.
- Ruby, Paul, Jr. "And for my next trick... (December 1988) 92 — Card trick. CARDTRIK
- Scerbo, Fred B. "Wishing well: Two for the price of one." (October 1988) 90 — Continuation of last months 'opposites' game. OPOSITE2
- Schuler, Keith. "Castle Zhagwhar." (June 1989) 41 **ZHAGWHAR**
- Webb, Mark. "Playing the stock market." (November 1988) 45 STOCKS3; STOCKS2
- Wells, John T. "Space attack." (August 1988) 78 **EZSHOOT**
- Wilensky, Joe. "CoCo derby." (May 1989) 42 DERBY

#### **GENERAL**

- Abell, James. "Does Archimedes' discovery hold water?" (March 1989) 82 WILFLOAT "Anniversary special—CoCo mobile." (July 1988) 98
- Augsburg, Cray. "RAINBOWfest reporter (Chicago, May 20-22, 1988)." (September 1988) 41
- Baker, Delbert. "FunStats." (June 1989) 110 -Keep statistics for your Softball team.
  FUNSTATS; RSTRMKR; RSTRFXR; GMFLCHK, etc.
- Barden, William, Jr. "Barden's buffer: April foolishness and Pentomino contest winners." (April 1989) 143
- Barden, William, Jr. "Barden's buffer: Can the CoCo learn?" (July 1988) 160 ALLPERMS; 1STMOVES; DATAMAKR; TICTACTO Barden, William, Jr. "Barden's buffer: Hamming it
- up." (January 1989) 145 Ham radio discussion. MORSE
- Barden, William, Jr. "Barden's buffer: Perplexing puzzles." (June 1989) 140 — 'Perplexing puzzles to ponder.' PUZZLE1; PUZZLE2, etc.
- Bedard, Clem. "Secret codes." (January 1989) 102
- Bernico, Bill. "Set your wheels to spinning." (July 1988) 48 — Contest—brush up programming creativity and submit result. CONTEST
- Bernico, Bill. "We have a winner!" (January 1989) 87 — Results from July's programming contest. RINGBELL
- Burnham, Paul D. "The CoCo crystal ball." (June 1989) 28 — Fortune teller FORTUNE
- Curtis, H. Allen. "The desktop publisher: A reprise." (September 1988) 102 GENMENU; PATCHWPL; PATCHWPH; CONVERTL; CONVERTH; MONROE
- Foster, Leslie A. "The seventh year of Rainbow." (July 1988) 133 Index, July 1987 to June 1988. Hyre, Leonard. "Convention." (July 1988) 110 —
- Help keep track of voting at conventions. CONVENTN

- Hyre, Leonard. "Election '88." (November 1988) 58 Keep track of election results. ELECTION
- Kolar, Joseph. "BASIC training: The Encyclopedia CoColoria." (August 1988) 82 — Discusses back issues of Rainbow.
- Kyllo, Donald. "Cryptologist's sidekick." (July 1988) 80 CRYPTAID
- Murray, Ken. "A CoCo Christmas." (December 1988) 95 Chrismas poem.
- "Rainbow's holiday shopping guide." (November
- Samuels, Edward. "Copyright law update: Congress alters rules of copyright notice." (April 1989) 41
- Stanley, Willis. "Decisions, decisions." (April 1989) 118 — Program to help in decision making. AHP Willoughby, Lauren. "RAINBOWfest reporter." (February 1989) 101 — Princeton, October 21-23, 1988.

#### **GRAPHICS**

- Abraham, Alex. "Psychedelia." (January 1989) 61 **PSYCHO**
- Babich, Tio. "Like pulling taffy." (January 1989) 60
- Graphics demo. TAFFYBAL

  Bauer, Greg. "Turning text graphics into title screens." (March 1989) 79 ASCICALC

  Bernico, Bill. "Doodle ditty." (January 1989) 60
- DOODLER3
- Bernico, Bill. "The Color coordinator." (April 1989) 101 — Helps children develop good fashion
- sense. ORDINATE Bernico, Bill. "Pieces of the pie." (April 1989) 79 Draw a pie chart. CC3GRAPH
  Bernico, Bill. "Pixel pictures." (January 1989) 28
- Use these graphics programs to create brilliant pictures. BLOCKS3; BLOCKS2 Bryson, B. J. "The storm." (June 1989) 59 STORM
- Caldwell, Steve. "Here eagles dare." (July 1988) 82 - Graphics demo. EAGLE
- "CoCo gallery." (August 1988) 34 Lighthouse; Pyramid; Owl; Panther; Sharks "CoCo gallery." (December 1988) 26 Xmas
- time; Sun fun; Dad's ,1 toy; Santa; Candles
- "CoCo gallery." (February 1989) 26 Evil unleashed; Seaside city; Red sails; Bit bucket; The King .
- "CoCo gallery." (January 1989) 26 Dragon; Space tavern; Mountain; Dream state; Southern
- "CoCo gallery." (July 1988) 26 Sandstone; Setup; King Tut; Woodpecker; Help is on the
- "CoĆo gallery." (June 1989) 26 Pandas; Dolphin; My room; English beat; Ad infinitum. "CoCo gallery." (March 1989) 26 — Parkview; War; River; Faucon; Butterfly.
- "CoCo gallery." (May 1989) 26 Lady in the grass; Desert; Tree; At the movies; Setup.
- "CoCo gallery." (November 1988) 26 Tiger; C-O-Arms; Spacecraft; Starship; Eagle
- "CoCo gallery." (October 1988) 26 Mill; Multichromatic spheres; Dragon's lair..; Pirate
- "CoCo gallery." (September 1988) 26 Queen Angelfish; CoCo3 shop; Sunset; Maine; Sea set; Memphis, etc.
- Cooper, Rick. "Setting for one." (December 1988) 90 TURKISH
- Cooper, Rick. "Today's forecast." (April 1989) 82 Graphics demo WHENRAIN
- Cutchin, Rusty. "Breaking the four-color barrier." (October 1988) 51 - Add many more than 4 colors in HSCREEN 4. NUCOLORS; DEMO
- Davies, Peter E. "Holidays at the hearth." (December 1988) 89 YULELOG
- Day, Darren. "Simple draw." (June 1989) 93 SIMPLDRA
- Dowd, Kevin. "The little graphics library." (August 1988) 102 PROG1; PROG2; PROG3; PROG4
- Dueck, Timothy. "It'll move you." (April 1989) 82 - Animation demo ANIMATOR
- Gagnon, Marc. "A moving Rainbow border." (April 1989) 112 COCOTOUR; CCTDEMO
- Goff, Allen. "Showing off random graphics." (November 1988) 75 Correction, January 1989, p.41. LOADER

- Grengs, Patrick D., II. "Warped animation." (October 1988) 102 — Create whirlpools and waves in an undulating grid. Correction, January 1989, p.41.GRAVGRID
- Gross, Kevin K. "One liner contest winner." (July
- 1988) 94 Graphics demo.

  Hill, Kenneth R. "Big brother's watching." (March 1989) 78 BLINK

  Hill, Kenneth R. "An uncommon view." (April
- 1989) 81 Graphics demo STARVIEW
- Jenkins, Dave. "An RGB demonstration." (January 1989) 65 RGBDEMO
- Kenny, Keiran. "For the birds." (April 1989) 83 —
- Graphics demo BIRDSEED Kenny, Keiran. "Tying up DRAW strings." (October 1988) 87 COPYPIX
- Kenny, Keiran. "The building blocks of graphics." (February 1989) - Introduce lo-res graphics. CLRBLÓKS
- Messer, Shane. "Hi-res screen dump." (May 1989) 74DUMP132
- Mitchel, Barry J. "All the right moves." (December 1988) 116 Correction, April 1989, p.48. Faster graphics. SCRLDEMO; FASTSCRL
- Moos, Patricia. "Fright night." (October 1988) 86— Pumpkin graphic. SPOOK
  Morin, Jean-Francois. "Now you see it, now you don't!" (June 1989) 48— Optical illusions.
- ILLUSION
- Pendell, Joseph. "Beam3D." (May 1989) 75 -Animate 3 dimensional pictures. BEAM3D Phillips, John E. "The mathematics of chaos."
- (March 1989) 81 FRACTAL
- Rodriguez, Ana M. "CoCo clowns around." (September 1988) 74 — Clown graphics. PAYASO
- Sims, Mike. "One liner contest winner." (July 1988) 95 Graphics demo.
- Spiller, Jeremy. "Super stamper: The elastic rubber graphics stamp." (October 1988) 28 Two new graphics commands for PMODE image manipulation. SUPRSTMP; STMPDEMO
- St. Jean, Etienne. "Bouncing off the walls." (January 1989) 59 — Graphics demo.
- BALLDEMO Steidl, Jeff. "Electro dominoes." (June 1989) 18 DOMINOES
- Tatarka, James A. "A tribute to the CoCo2." (June 1989)22 PORTRAIT
- Vasconi, Eugene. "CoCo in 3-D!" (June 1989) 52 3DGRAPHX
- Ward, Logan. "Cartooning with CoCo." (July 1988) 50 - Tutorial on creating CoCo comics, and announcement of a contest.
- Welsh, Jack D. "Text for graphics." (May 1989) 20 — Add captions to pictures. GRAFTEXT

  Weshenfelder, Rick. "Ad infinitum." (October)
- 1988) 87 Graphics demo. EYECATCH
- Wolf, Eric. "Chart plotting made easy." (January 1989) 44 — Draw multi-color pie charts from self-entered data. PIECHART
- Wolstromer, Andy. "CoCo of many colors."
  (March 1989) 79 COCOLEID

# HARDWARE PROJECT

- Baier, Jeff. "Wow! One disk drive, two CoCo's." (May 1989) 54
- Barden, William, Jr. "Barden's buffer: Devices, unlimited." May 1989) 150 — 'Simple CoCo interfacing for the all-thumbs CoCoNut.'

  Bennett, Carl Austin. "The forgotten chip." (May
- 1989) 130 Get your modem to work with OS-9
- level II for under \$20. DiStefano, Tony. "Turn of the screw: A simple, expandable LED project." (November 1988) 157
- Makes computer control 8 LED's.

  DiStefano, Tony. "Turn of the screw: Do you read me?" (March 1989) 132 Adding input devices to an expansion board.
- DiStefano, Tony. "Turn of the screw: Lights out!" (April 1989) 96
- DiStefano, Tony. "Turn of the screw: Project expansion." (December 1988) 146
- DiStefano, Tony. "Turn of the screw: Summer cleanup." (September 1988) 140 Update on parallel interface and hardware patch for Multi-Pak.

- DiStefano, Tony. "Turn of the screw: Two for one." (July 1988) 148 - Fit two adapters into your controller at the same time.
- Dowd, Roger D. "Are you missing something." (August 1988) 150 — Repairing keyboard problems.
- Francisco, Harleen. "Economy printer buffer, part 1 of 2." (June 1989) 100 HECONOMY
- Goodman, Marty. "Upgrading CoCo's memory." (March 1989) 34
- Haverstock, Mark. "The old switcheroo II." (August 1988) 120 — Handle switching of joystick and cassette ports. Correction, October 1988, p.84
- Mims, Eric Ryan. "Just one touch-just one breath." (February 1989) 50 — CoCo makes calculations easier for the disabled. CALCLATR
- Weide, Dennis H. "Hands-free computing."

  (February 1989) 58 Aid physically handicapped people. COEPPRAM; COEPPROM

#### HARDWARE TUTORIAL

- Adams, Rick. "GIME power." (March 1989) 14 -Description of GIME chip.
- DiStefano, Tony. "Turn of the Screw: The ABC's of disk drives." (May 1989) 80
  DiStefano, Tony. "Turn of the screw: All about serial packs." (August 1988) 167
- DiStefano, Tony. "Turn of the screw: The DEFs of disk drives." (June 1989) 98
- Goodman, Marty. "Quick fixes." (October 1988) 58 Three do-it-yourself fixes for the hardware hacker. Correction, November 1988, p.138 (not needed-see Jan 1989, p.41 ).

#### HINT

- England, Carl. "Hint." (November 1988) 83 -HPRINT shortened.
- Grumann, Harold. "Hint." (November 1988) 83 Autoexec-like file.
- Ostrer, Ken. "Hint." (November 1988) 83 Cursor control.
- Turner, Del. "Hint." (August 1988) 169 Use of COBBLER command. Turner, Del. "Hint." (July 1988) 189 — 'Handy
- work window. Turner, Del. "Hint." (November 1988) 92 -
- Discussion of memory and OS9.

  Turner, Del. "Hint." (October 1988) 83 Three
- handy screens. Turner, Del. "Hint." (September 1988) 134 OS-9 hints

#### HOME APPLICATION

- Clapper, David L. "Invoice innovation." (April 1989) 44 — Create professional-looking invoices and labels. OFFICE
- Crawford, Gay. "Knee-high to a growth chart." (February 1989) 89 GROCHART
- Hair, Fred, Jr. "On VCR time." (September 1988) 122 — Calculating time intervals for VCR tape. VIDTIME
- Halbrook, Travis. "Custom cassette labels." (February 1989) 88 CASSLBLR
- Hurt, Bradley. "Diary." (June 1989) 91 DIARY Johnson, Richard K. "More than a house."
- (February 1989) 110 Help organize search for the right home. DRIVEBY; HOUSE; LOANDATA Johnson, Richard. "Stalking the used car."
- (September 1988) 16 Used car shopping guide. USEDCARS Kenny, Keiran. "News flash! News flash!"
- (December 1988) 92 Home news screen. Correction, Feb. 89, p.76. NEWSREEL
- Kenny, Keiran. "Who ya gonna write?" (April 1989) 80 — Print mailing labels. EZLABELS
- Lamonica, Mary; and Lamonica, James. "I'm late! I'm late!" (February 1989) 106 Daily planner. DAYPLAN
- Lamonica, Mary ; and Lamonica, James. "Stretch it to the limit." (April 1989) 103 Keep track ot credit card balances and transactions. CREDIT Maxwell, Wilmer B. "Looking for a heartbeat."

- (July 1988) 84 Estimate pulse rate. **PULSBEAT**
- McCorkle, R. J. "Having a party?" (May 1989) 46 Print invitations, flyers, etc. INVITE; INVIFORM
- Norris, Duke. "Lil'ole interest, revisited." (April 1989) 18 — Update of September 1984 article.
- Paul, Steve. "Chores for dollars." (May 1989) 77 **CHORES**
- Rochford, Tom. "Who you gonna call?" (January 1989) 64 TELE-DIR
- Rodriguez, Ana M. "Applying labels." (February 1989) 88 — Make address labels, ADLABELS

Souser, William. "Make a note of it." (April 1989)

- Seats, Darrin. "Note card." (May 1989) 78 NOTECARD
- 52 CALLMEMO Thompson, Ernie. "Keeping a card count." (December 1988) 90 — Greeting card list. CARDLIST
- Turner, David. "Bills, bills, bills!" (October 1988) 14 — Program to help roommates organize expenses. ROOMMATE
- Yates, Jerry. "Keeping your balance." (February 1989) 87 — Checkbook checker. CHEKBOOK

#### MUSIC

- Burke, Val. "Have a jazzy Christmas." (December 1988) 28 — Christmas music. HIPMAS
- Day, Darren. "Cider sipping." (September 1988) 76 Music demo. CIDER
- Kastack, Rebecca. "The singing card." (December 1988) 112 — Send a musical holiday greeting. SINGCARD
- Musumeci, John. "Now or never." (January 1989) 58 — Music and graphics demo. MANDO Plaster, Gip Wayne. "Play your piano." (December 1988) 93 — Music demo. KEYBOARD

#### ONE-AND TWO-LINER

- Beck, John M. "Two liner contest winner." (October 1988) 134 — Slower directory listing. Bly, Merwyn. "One liner contest winner." (August 1988) 89 game
- Carter, Brian. "One liner contest winner." (September 1988) 141 — Utility to KILL files.
- Collicott, John. "One liner contest winner." (August 1988) 117 - Reverse PMODE screen.
- Duke, William L. "One liner contest winner." (June 1989) 85 — Print memory addresses.
- Fingliss, Doug. "One liner contest winner." (August 1988) 117 — Graphics demo.
- Fogle, Paul. "One liner contest winner." (June 1989) 85 — Control cassette recorder.
- Gibson, Charles Lee. "Two liner contest winner." (March 1989) 152 — Running total and average of times
- Kiedaisch, Charles A. "One liner contest winner." (September 1988) 120 — Convert fractions to decimals.
- Lim, Larry. "One liner contest winner." (October 1988) 54 — Display poke and peek values for CoCo3 keyboard.
- Mony, Sam. 'Two-liner contest winner." (April 1989) 124 - Make a PRINT© worksheet.
- Mony, Sam. 'Two-liner contest winner." (March 1989)
- 148 —Printer utility.
  Olmstead, Paul. "One-liner contest winner."
  (March 1989) 148 Graphics demo
- Rowan, Don. "One liner contest winner." (July 1988) W —Converts PRINT to SET or vice versa.
- Sobieski, Joe F. "One liner contest winner." (July 1988) 131 — Multiplication tables. Toepke, Michael. "One liner contest winner."
- (September 1988) 37 Ski game.
  Toepke, Michael. "One liner contest winner."
- (September 1988) 137 Magic square. Toepke, *Michael*. "Two liner contest winner."
- (August 1988) 81 Pong type game.
  Toepke, Michael. "Two liner contest winner."
- (•December 1988J 120 Mastermind type game. Toepke, Michael. "Two liner contest winner."
- (March 1989) 152 Game.

White, Danny. "One liner contest winner." (July 1988) 12 — Mini word processor.

#### **OPERATING SYSTEMS — OS-9**

- Augsburg, Cray. "Using OS-9 programs on Rainbow on Disk." (June 1989) 138
- Brown, Philip. "Tools for programming BASIC09." (May 1989) 138 — Using Syscall to enhance BASIC09. CORE
- Puckett, Dale L. "KISSable OS-9: Advances in OS-9 technology." (February 1989) 152 Charter; Translate
- Puckett, Dale L. "KISSable OS-9: Another cry for standards." (October 1988) 147FMenu; Modi;
- Mod2; DiskFix; FormatFix
  Puckett, Dale L. "KISSable OS-9: BASIC09—A
- great language." (January 1989) 136
  Puckett, Dale L. "KISSable OS-9: Better tools are
- here!" (December 1988) 178 Xcodes.CC3 Puckett, Dale L. "KISSable OS-9: Building two handy tools." (June 1989) 150 Find; Findit; Diskdir; Checkdir; Dodir
- Puckett, Dale L. "KISSable OS-9: In quest of new
- technology." (April 1989) 148 Puckett, Dale L. "KISSable OS-9: Moving to OS-9." (March 1989) 136 Traksat; Echo. Source; Make. Echo
- Puckett, Dale L. "KISSable OS-9: Sending the right signals." (July 1988) 174 MVShell; SigTestOne; SigTestTwo; SkipMuf Puckett, Dale L. "KISSable OS-9: Volunteers build a better mousetrap." (August 1988) 182 Gfx3
- Puckett, Dale L. "KISSable OS-9: Installation, automation and more." (November 1988) 176 ClkSpd; ClkChk; DoMenu; DoAlert; Strip; MakeStrip
- Ries, Richard. "PR.B09." (June 1989) 136 Print
- utility for OS-9. Pr Ries, Richard. "What day is it?" (February 1989) 142 — Utility to change format of date. SetDate
- Robinson, Evan. "Chown." (May 1989) 144 -Change ownership of OS-9 files. CHOWN
- Roseman, Mark. "A new outlook for OS-9." (July 1988) 16 — Using subdirectories and shell scripts to build an OS-9 menu system.
- Skala, Dennis. "OS-9: Time for a change." (April 1989) 58
- White, Richard A. "Accessible applications: Boot modifications." (December 1988) 186 — 'Create the perfect boot disk.'
- White, Richard A. "Accessible applications: Boot mysteries revealed." (November 1988) 172 White, Richard A. "Accessible applications: Data
- processing with BASIC09." (April 1989) 152 White, Richard A. "Accessible applications: Introducing the OS-9 team." (October 1988) 143
- White, Richard A. "Accessible applications: More on BASIC09 programming." (May 1989) 146 White, Richard A. "Accessible applications: OS-9
- memory explorations." (January 1989) 152
  White, Richard A. "Accessible applications: The magic and mysteries of OS-9." (September
- 1988)142 White, Richard A. "Accessible applications: What's the difference?" (March 1989) 154 — Standard formats in file or directory use.

#### PRINTER

- Augsburg, Cray. "Printer diversions and conversions." (August 1988) 142 — Use control codes to enhance printer's capability.
- Genois, Marc. "CoCo3 printer spooler." (May 1989) 86 SPOOLBAS
- Jones, Edward. "Font selection made easy." (May 1989) 68 FONTSETR
- Kenny, Keiran. "The flip side.' (January 1989) 22 - Use one sheet paper to print a 6 page pamphlet. BOOKLET

#### **QUESTIONS AND ANSWERS**

Augsburg, Cray. "Do you have a question?" (January 1989) 50 — Everything you wanted to know about the CoCo but were afraid to ask. Bernico, Bill. "BASICally speaking." (April 1989)

- 84 BASIC programming hints.
- Bernico, Bill. "BASICally speaking." (December 1988)144
- Bernico, Bill. "BASICally speaking." (February 1989) 46 — Locating typos: GET/PUT problem; Artifact
- colors; Saving graphics.
  Bernico, Bill. "BASICally speaking." (January 1989) 84 — Saving graphics; Use of INSTR; Automatic repeat.
- Bernico, Bill. "BASICally speaking." (March 1989) 130 — Game hint; BASIC tutorial, etc. SLOTCORE
- Bernico, Bill. "BASICally speaking." (November 1988) 140 — Merging subroutines; DATA
- statements; etc.
  Bernico, Bill. "BASICally speaking." (September 1988) 86 — New monthly technical column for BASÍC hackers.
- Boeldt, Larry. "BASICally speaking." (May 1989) 98 — Morse code; Change LINE to HLINE, etc. Esposito, Richard E. "Doctor ASCII." (April 1989)
- 92 Speedier operations; Disk problem; Joystick problem; etc.
- Esposito, Richard E. "Doctor ASCII." (August 1988) 165 CoCo to PC; Graphics printing; Memory locations; Delphi problems.
- Esposito, Richard E. "Doctor ASCII." (December 1988) 158 — File transfers; Commodore comparison; DeskMate's default; etc
- Esposito, Richard E. "Doctor ASCII." (February 1989) 99 — Transfer CoCo - PC; ProComm; OS9 problem; HJL keyboard etc.
- Esposito, Richard E. "Doctor ASCII." (July 1988) 154 — Drive support; Copy protection; VIP speller fix; etc.
- Esposito, Richard E. "Doctor ASCII." (March 1989) 94 — Saving graphics; Assembly language refs; etc.
- Esposito, Richard E. "Doctor ASCII." (November 1988) 144 — T/S spell; ROM pack problems; Upgrade; etc.
- Esposito, Richard E. "Doctor ASCII." (October 1988) 40 — Some terms defined; CoCo2 vs CoCo3; Humidity, etc.
- Esposito, Richard E. "Doctor ASCII." (September 1988) 138 — Garbled sound; BASIC memory; Color artifacts; DeskMate 3; etc.
- Esposito, Richard E.; and Libra, Richard W. Doctor ASCII." (June 1989) 84 — Memory jumpers; Disk drives on a PC; Spreadsheet, etc.
- Esposito, Richard E.; and Libra, Richard W. "Doctor ASCII." (May 1989) 136 — Mini-phono jacks; EDTASM; Mikeyterm; Printer codes, etc.
- Goodman, Martin H. "CoCo consultations."
  (March 1989) 76 Commodore drive; Transfer binary file; Monitor, etc.
- Goodman, Marty. "CoCo consultations." (April 1989) 54 — Monitors; Disk drives; Sharing a printer; etc.
- Goodman, Marty. "CoCo consultations." (August 1988) 162 — Flashes on screen; OS-9 crashes; ROM paktodisk
- Goodman, Marty. "CoCo consultations." (December 1988) 154 — High speed poke; Hard drive; ML addresses, etc.
- Goodman, Marty. "CoCo consultations." (February 1989) 92 - TTL monitor; Disk drive problem; CoCo Max; CoCo 3 inputs.
- Goodman, Marty. "CoCo consultations." (January 1989) 98 — Joystick repairs; CoCo and CM-8 monitor; OS-9 games patch, et c.
- Goodman, Marty. "CoCo consultations." (July 1988) 146 — Convert CoCo2 to CoCo3; Multipak; Hardware failures; etc.
- Goodman, Marty. "CoCo consultations." (June 1989) 78 Double sided disks; Serial I/O; ROM pak to disk, etc.
- Goodman, Marty. "CoCo consultations." (May 1989) 142 — Multi-pak; Copy ROM paks; Color printer, etc.
- Goodman, Marty. "CoCo consultations." (November 1988) 142 — DRAM-chip price; Audio
- output; Memory upgrades; Modemphone; etc. Goodman, Marty. "CoCo consultations." (October 1988) 56 — Use CoCo3's MMU; CoCo3 cold start: etc.
- Goodman, Marty. "CoCo consultations." (September 1988) 88 — Fix for TW-80; Printer hookup; CoCo3 monitor; etc.

**REVIEWS** "A Mazing world of Malcolm Mortar." (September "AR-16 relay interface and RI-8 relay card." (December 1988) 139 "Adventure in Lumeria." (December 1988) 141 "Al-write." (October 1988) 119
"Arizona hard drive." (February 1989) 138
"Armchair admiral." (January 1989) 125
"The Aussie collection." (April 1989) 128
"BASIC screen editor." (October 1988) 116 "BASIC unravelled series." (May 1989) 118 "BASIC utility diskette." (November 1988) 129
"Bash." (February 1989) 130 "Big Pix3." (July 1988) 124 "The Black Grid." (June 1989) 130 "Blue Streak Ultima Serial/Parallel interface." (April 1989) 128 (April 1993) 126 "Bug Buster 2000." (December 1988) 138 "Buried Buxx." (February 1989) 129 "Caladuril II—Weatherstone's end." (June 1989) "Car sign designer." (September 1988) 130 "Cartoonamator." (July 1988) 123 "Castle of Tharoggad." (November 1988) 130 "Chess-nuts." (June 1989) 132
"CoCo graphics designer plus." (May 1989) 110
"CoCo3 Wheel." (May 1989) 124
"Computer dictionary." (book) (July 1988) 128
"DELPHI: The Official Guide." (book) (November "DS-69B digisector." (May 1989) 121 "DaVinci3." (April 1989) 130 "Deluxe Icon Editor." (*February 1989*) 136 "Digitizer3." (*June 1989*) 134 "Dino database." (May 1989) 122
"Disk manager tree." (October 1988) 115
"Diskman II." (February 1989) 139 "Disto Assortment." (March 1989) 122 "Domination." (July 1988) 124 "EZGen." (November 1988) 137
"EZwriter." (July 1988) 127
"The Entertainer." (December 1988) 140
"Flight simulator II." (August 1988) 132 "Flight simulator scenery disks." (January 1989) 124 "Floppy filer." (June 1989) 132 "Floppy filer." (June 1989) 132
"Fontgen." (May 1989) 128
"Football II." (March 1989) 120
"Fraze craze." (August 1988) 128
"Frogday afternoon." (February 1989) 136
"GAT backup." (March 1989)113
"GCS file transfer utilities." (December 1988) 130 "Ghost hunters." (April 1989) 136
"Good games trio." (January 1989) 124 "Good games trio." (January 1989) 124
"Graphics-25." (September 1988) 131
"HAWkSoft's keyboard extender." (May 1989) 118
"HELLO/BAS." (October 1988) 125
"Hall of the King Trilogy." (December 1988) 134
"Hard disk organizer." (November 1988) 136
"Hard drive utilities." (June 1989) 129 "Home Bingo." (October 1988) 129
"Home Publisher." (July 1988) 122 "Home Publisher." (July 1988) 122
"Horse sense." (January 1989) 130
"Hyper-I/O." (July 1988) 130
"I Ching." (March 1989) 124
"In quest of the Star Lord." (August 1988) 133
"Inventory manager." (October 1988) 113
"Iron Forest." (December 1988) 126 "Ironsides and Crimson sails." (April 1989) 138 "KDSK3." (January 1989) 121 "KJV on disk." (May 1989) 124
"Kcal." (June 1989) 129

"Keyboard commander." (November 1988) 135 "L1+L2 utility pak." (March 1989) 116 "Labyrinth." (September 1988) 133

"Leonardo's paintbox." (March 1989) 124
"The Lyra Lybrary." (December 1988) 133
"MAESTRO." (February 1989) 127
"MJK-DOS." (January 1989) 120
"MPI-CoCo locking plate." (September 1988) 133
"MacPlay." (February 1989) 126
"Math Games." (September 1988) 129
"Math tutor." (May 1989) 111
"Max-10." (January 1989) 118
"Memory." (April 1989) 132
"Mine rescue." (January 1989) 123

"Legend Quest." (December 1988) 129
"Leonardo's paintbox." (March 1989) 124

# "Wargame organizer icon disk 1." (June 1989) "Warp fighter 3-D." (February 1989) 134 "Warrior King." (February 1989) 132 "Wildcard Copy." (December 1988) 132 "Window Master." (February 1989) 124 "Word power 3.1." (October 1988) 117 "Yahtzz and QuantumLeap." (March 1989) 121 "The Zapper." (December 1988) 138 "ZoomDump." (March 1989) 112 **TUTORIAL**

"Mini database." *(August 1988)* 133 "MoneyMan II." *(December 1988)* 136 "Moon-runner." *(October 1988)* 112

"Moon-runner." (October 1988) 112
"Mr. Corey." (July 1988) 131
"Multi-menu." (September 1988) 128
"Night of the living dead." (October 1988) 110
"OS-9 Level II BBS." (November 1988) 130
"Ore ambush." (May 1989) 114
"PIA and extender boards." (January 1989) 130
"Picture puzzles." (April 1989) 137
"Pokes, peeks and execs." (book) (February 1989) 136

"Power stones of Ard." (August 1988) 134
"Printer drivers." (May 1989) 117
"Quest for the ring." (October 1988) 128
"R.S.B.—Real BASIC under OS-9." (March 1989)

"Spellbound." (*November 1988*) 136
"Star NS-1000 Rainbow printer." (*April 1989*) 126

"RS-232 Switcher." (August 1988) 135

Computer." (book) (January 1989) 129 "Shadow world." (October 1988) 116

"Rupert Rythym." (April 1989) 140

"Silpheed." (March 1989)115
"Simply better." (April 1939) 134

"Solid Drive." (March 1989) 126 "Space intruders." (April 1989) 135

"Star NS-1000 Rainbow printer." (April 1889) 140
"Stylograph." (July 1988) 126
"Super Pitfall." (December 1988) 132
"Syntrax 2.0." (August 1988) 128
"System5." (July 1988) 129
"Teddy bears." (September 1988) 132
"TelePak." (April 1989) 136
"Tetris." (Tipr/M989)138

"Thexder." (August 1988) 134
"TypeMate." (February 1989) 130
"Ultra-base." (January 1989) 136
"V-term." (November 1988) 134

"VIP Database III." (December 1988) 129
"VIP Writer III, Version 2.0." (April 1989) 132
"VIP writer III." (September 1988) 126

"Vehicle cost printout." (May 1989) 125

"Video Draw Poker." (November 1988) 134
"Vocal freedom." (November 1988) 126

"Wargarne designer." (August 1988) 126
"Wargame organizer icon disk 1." (June 1989) 133

"Rustler." (June 1989) 131 "Security projects for the TRS-80 Color

"Rad Warrior." (February 1989) 134
"Revenge of the germs." (May 1989) 116

Barden, William, Jr. "Barden's buffer: Can you survive this column." (August 1988) 170 — Assembly language interrupts and BASIC Assembly language interrupts and BASIC internals. Correction, October 1988, p.84. PRNTLINE; LINETABL; ANALYZE Barden, William, Jr. "Barden's buffer: Sorting it all out." (November 1988) 160 — Describes how to make computer sort items. SELECTON; BUBBLE; SHELL; QUIKSORT Bernico, Bill. "The CoCo quiz master." (June 7989 157 000 00 UIZ 7989J57COCQUIZ
Kolar, Joseph. "BASIC training: BASIC bird watching." (May 1989) 88 — Creating figure of bird. FLIGHTS1-3 bird. FLIGHTS1-3
Kolar, Joseph. "BASIC training: Boxcars, boxcars, boxcars." (June 1989) 80 BOXCAR1
Kolar, Joseph. "BASIC training: Count your eggs before they drop." (April 1989) 64 BIGBIRD
Kolar, Joseph. "BASIC training: Creating a utility screen worksheet." (September 1988) 80
Kolar, Joseph. "BASIC training: Let's GET going." (January, 1989) 74 (January 1989) 74

Kolar, Joseph. "BASIC training: New directions."
(October 1988) 98 — Graphics tutorial

Kolar, Joseph. "BASIC training: Shall we dance?" (December 1988) 94 — 'Animate your graphics.'

Kolar, Joseph. "BASIC training: What's the angle?" (November 1988) 84 Perlman, Richard 'The do-it-yourself database: Designing your own money management system." (March 1989) 88 — Second in a series of tutorials. SEPARATE; RITEREAD; TIMER; CREATE; ADDRECRD

Perlman, Richard. 'The do-it-yourself database: Subroutines and program code. (February 1989) 36 — First in a series of tutorials SUBDEMO; REALMENU; MARBLE1; MARBLE2

White, Brian C. "Learn to walk before you RUN." (January 1989) IB

#### UTILITY

Bernico, Bill. "Five-column directories." (March 1989) 80 5-COLDIR Bernico, Bill. "ML addresses." (July 1988) 82 **SCRNLIST** Campbell, Marc. "CoCo's current companion."

(July 1988) 34 — A program editor for the CoCo 3. Correction, Feb. 89, p.77. BUDDY
Deuell, Lee. "255 ways to clear your screen." (January 1989) 62 CLS255 Elmer, Al. "Get the picture?" (July 1988) 93 — Program enabling you to view MacPaint picture files on CoCo. MACVIEW
Estrado, Richard. "Selective directory listings using wildcards." (*June 1989*) 122 WILDBIN Francis, David. "Emphasize with the DMP 105." (August 1988) 53 ITALICS Goldberg, Steve. "Parameter changes made easy." (December 1988) 160 — Change disk drive parameters. DMode; MakeDMode Hegberg, Joel. "I/O in the fast lane." (November

1988) 75 — Speed up disk i/o. FASTDISK Hegberg, Joel. "Sound control." (June 1989) 92 SNDCTRL

Hufford, Wayne. "The timer." (May 7989) 75 — Timekeeper for games. SOUNDOFF Jimenez, Daniel. "Program a RAM disk." (January 1989) 110 — Correction, April 1989, p.48. RAMDISK; COPY

Jones, Paul E. "Save that screen." (December 1988) 108 — Clears monitor screen to black if no key pressed. SCRNSAVE

Kastack, Rebecca. "Counting the words."
(January 1989) 62 WORDCNT
Knapik, Steve. "Hacker, beware." (December 1988) 91 — Disk file protection. LOCKOUT

Kolesar, Fred. "EZrun." (June 1989) 62 — Autorun BASIC programs by typing in their filenames. EZRUN

Larson, Neal. "Mass disk formatter." (September 1988) 30 FORMATTR

Miller, Merle. "Disks name miscl." (June 1989) 92 **MMDIR** 

Miller, Stephen. "Has anyone seen my string?" (March 1989) 80 ASCSERCH

Miller, Stephen. "ML-Data." (August 1988) 100 -Routine to convert machine language program into BASIC. ML-DATA
Ostrer, Ken. "CoCo ASCII table." (September

1988) 76 — Display character set and ASCII codes. ASCII3

Phillips, Charles F. "CoCo 3 green screen blues." (July 1988) 83 — CoCo 3 output to monochrome monitor. MON03 Pucella, Ric. "Free zone." (November 1988) 74 —

Protect area of screen from scrolling. NOSCROLL

Scerbo, Fred B. "Wishing well: From keyboard to keypad." (*March 1989*) 84 — Simulate a numeric keypad. QLATOR

Spiller, Jeremy. "Erase all trace!" (July 1988) 118 Free up memory without unplugging the disk drive. DISKOFF

Spiller, Jeremy. "What disk drive?" (December 1988) 100 — Get more memory without

Sweaney, Erich. "Seeing the bigger picture."

(October 1988) 88 — Increases CoCo3's HSCREEN 2 and 4. COCOPLUS

Sweet, Michael. "Get more power from your CoCo keyboard." (October 1988) 72 — Add functions to various keys. KEYPOWER

July 1989

THE RAINBOW

- Weide, Dennis H. "CoCo takes a hint." (August 1988) 36 — Program to help you compare disk files for duplicates. FILECOMP
- Wolf, Eric. "The font master." (October 1988) 41 -Replace CoCo3's built-in HPRINT font." **FONTMSTR**
- Zamora, Tony. "CoCo does windows and a whole lot more." (March 1989) 100 — Add point and click interface, windows, etc. Correction, June 1989, p.66. DESKTOP

#### WORD PROCESSING

- Bates, Larry E. "Write III plus." (July 1988) 96 -Add embedded printer commands to Write III
- (April 87, p.156). WRITE3 Curtis, H. Allen. "High capacity screen dumps for the shoestring desktop publisher part 1." (May 1989; 100 — Correction, June 1989, p.66. DRIVERLT; DRIVERLE etc.
- "Deciding what's 'write' for you." (April 1989) 26 Comparison of several word processor programs
- Parker, Jeffrey S. "Desktop publishing comes to the CoCo." (May 1989) 58 - Comparison of several programs.

#### **AUTHORS**

- Abell, James. "Does Archimedes' discovery hold water?" (March 1989) 82 WILFLOAT
- Abraham, Alex. "Psychedelia." (January 1989) 61 **PSYCHO**
- Adams, Rick. "GIME power." (March 1989) 14 Description of GIME chip.
- Alger, Paul. "A REMOTE update." (November 1988) 110 — Update to BBS system. REMOTE3;
- BASLOAD; REMDEMO
  Alger, Paul. "Seeking immortality." (August 1988)
  76 Find number of 'men' in a game. **IMMORTALITY**
- Augsburg, Cray. "Delphi bureau: A place of your own." (August 1988) 152 Finding online help
- and creating a workplace. Augsburg, Cray. "Delphi bureau: Creating online." (September 1988) 118
- Augsburg, Cray. "Delphi bureau: Downloading problems." (*July 1988*) 150
  Augsburg, Cray. "Delphi bureau: Time for a
- change." (October 1988) 64
- Augsburg, Cray. "Do you have a question?"

  (January 1989) 50 Everything you wanted to know about the CoCo but were afraid to ask.
- Augsburg, Cray. "Printer diversions and conversions." (August 1988) 142 Use control codes to enhance printer's capability.
- Augsburg, Cray. "RAINBOWfest reporter (Chicago, May 20-22, 1988)." (September 1988)
- Augsburg, Cray. "Using OS-9 programs on
- Rainbow on Disk." (June 1989) 138
  Babich, Tio. "Like pulling taffy." (January 1989) 60 — Graphics demo. TAFFYBAL

  Baier, Jeff. "Wow! One disk drive, two CoCo's."
- (May 1989) 54
- Baker, Delbert. "FunStats." (June 1989) 110 -Keep statistics for your Softball team. FUNSTATS; RSTRMKR; RSTRFXR; GMFLCHK,
- Barden, William, Jr. "Barden's buffer: Devices, unlimited." (May 1989) 150 'Simple CoCo interfacing for the all-thumbs CoCoNut.
- Barden, William, Jr. "Barden's Buffer: Food for worms." (February 1989) 144 WORMDRVR; WORMSMPL
- Barden, William, Jr. "Barden's buffer: April foolishness and Pentomino contest winners." (April 1989) 143
- Barden, William, Jr. "Barden's buffer: Assembly language for the complete novice part 2." (October 1988) 132 PONGBIN; PONGBAS Barden, William, Jr. "Barden's buffer: Assembly
- language for the complete novice ." (September 1988)150
- Barden, William, Jr. "Barden's buffer: Can the

- CoCo learn?" (July 1988) 160 ALLPERMS; 1STMOVES; DATAMAKR; TICTACTO
- Barden, William, Jr. "Barden's buffer: Can you survive this column." (August 1988) 170 Assembly language interrupts and BASIC internals. Correction, October 1988, p.84. PRNTLINE; LINETABL; ANALYZE
- Barden, William, Jr. "Barden's buffer: Hamming it up." (January 1989) 145 - Ham radio discussion. MORSE
- Barden, William, Jr. "Barden's buffer: Perplexing puzzles." (June 1989) 140 — 'Perplexing puzzles to ponder.' PUZZLE1; PUZZLE2, etc.
- Barden, William, Jr. "Barden's buffer: Sorting it all out." (November 1988) 160 — Describes how to make computer sort items. SELECTON;
- BUBBLE; SHELL; QUIKSORT
  Barden, William, Jr. "Barden's buffer: The puzzling pentomino." (*December 1988*) 164 PENTPUZL Bates, Larry E. "Write III plus." (*July 1988*) 96 —
- Add embedded printer commands to Write III
- (April 87, p. 156).WRITE3
  Bauer, Greg. "Turning text graphics into title screens." (March 1989) 79 ASCICALC
- Beck, John M. "Two liner contest winner." (October 1988) 134 — Slower directory listing.
- Bedard, Clem. "Secret codes." (January 1989) 102
- Bell, Bruce K. "Bingo, the CoCo way." (August 1988) 38 — Correction, Feb. 89, p.76 BINGOTLK
- Bennett, Carl Austin. "The forgotten chip." (May 1989) 130 — Get your modem to work with OS-9 level II for under \$20.
- Bernico, Bill. "BASICally speaking." (April 1989) 84 BASIC programming hints.
- Bernico, Bill. "BASICally speaking." (December 1988)144
- Bernico, Bill. "BASICally speaking." (February 1989) 46 — Locating typos; GET/PUT problem; Artifact colors; Saving grap hies.
- Bernico, Bill. "BASICally speaking." (January 1989) 84 — Saving graphics; Use of INSTR;
- Automatic repeat.

  Bernico, Bill. "BASICally speaking." (March 1989)

  130 Game hint; BASIC tutorial, etc. SLOTCORE
- Bernico, Bill. "BASICally speaking." (November 1988) 140 — Merging subroutines; DATA statements; etc.
- Bernico, Bill. "BASICally speaking." (September 1988) 86 New monthly technical column for BASÍC hackers
- Bernico, Bill. "Buy a CoCo and see the world." (September 1988) 70 — Map of the world. WORLD
- Bernico, Bill. "Child's play." (August 1988) 44 BUGGIE
- Bernico, Bill. "The CoCo quiz master." (June 7989J57COCOQUIZ
- Bernico, Bill. "The Color coordinator." (April 1989) 101 — Helps children develop good fashion sense. ORDINATE
- Bernico, Bill. "Doodle ditty." (January 1989) 60
- DOODLER3
  Bernico, Bill. "Five-column directories." (March 1989) 80 5-COLDIR
- Bernico, Bill. "ML addresses." (July 1988) 82 SCRNUST
- Bernico, Bill. "Pieces of the pie." (April 1989) 79 —
- Draw a pie chart. CC3GRAPH Bernico, Bill. "Pixel pictures." (January 1989) 28 Use these graphics programs to create brilliant pictures. BLOCKS3; BLOCKS2
- Bernico, Bill. "Set your wheels to spinning." (July 1988) 48 Contest—brush up programming
- creativity and submit result. CONTEST
  Bernico, Bill. "We have a winner!" (January 1989) 87 — Results from July's programming contest. RINGBELL
- Bleckley, Logan, III. "Wordmake." (June 1989) 91
- WORDMAKE
  Bly, Merwyn. "One liner contest winner." (August 1988) 89 game
- Blyn, Steve. "Education notes: Animal stories." (March 1989) 28 — Language arts program for elementary school children. PETSTORY
- Blyn, Steve. "Education notes: Break it up." (April 1989) 98 Dictionary skills program. DICTNARY

- Blyn, Steve. "Education notes: Carrier's collection chart." (August 1988) 80 — Interpreting a newspaper delivery chart. NEWSCOST
- Blyn, Steve. "Education notes: Fraction action." (May 1989) 56 FRACTION
- Blyn, Steve. "Education notes: Give 'em an inch." (January 1989) 72 — Convert inches to feet and yards. CONVERT
- Blyn, Steve. "Education notes: Locating the topic." (September 1988) 136 — Cross reference drill. REFERNCE
- Blyn, Steve. "Education notes: Motor math." (July 1988) 54 — Practice in solving verbal math problems. GASQUIZ
- Blyn, Steve. "Education notes: Shooting math."
- (June 1989) 76 MATHSHOT Blyn, Steve. "Education notes: The blink of an eye." (February 1989) 105 - Increase students' memorization abilities. TACHISTO
- Blyn, Steve. "Education notes: Time's up!" (December 1988) 102 — A working alarm clock. ALARM
- Blyn, Steve. "Education notes: You can't get there from here." (November 1988) 40 — Reading exercise. MAPPER
- Boeldt, Larry. "BASICally speaking." (May 1989) 98 - Morse code; Change LINE to HLINE, etc.
- Brown, Philip. "Tools for programming BASIC09." (May 1989) 138 — Using Syscall to enhance BASIC09, CORE
- Bryson, B. J. "The storm." (June 1989) 59 STORM Burke, Val. "Have a jazzy Christmas." (December 1988) 28 — Christmas music. HIPMAS
- Burnham, Paul D. "The CoCo crystal ball." (June 1989) 28 Fortune teller FORTUNE
- Caldwell, Steve. "Here eagles dare." (July 1988) 82 - Graphics demo. EAGLE
- Campbell, Marc. "CoCo's current companion."

  (July 1988) 34 A program editor for the CoCo
- 3. Correction, Feb. 89, p.77. BUDDY Carlin, Kenneth. "Taking on the one-armed bandit." (October 1988) 88 SLOTS
- Carter, Brian. "One liner contest winner."
- (September 1988) 141 Utility to KILL files. Chapel, Lee J. "For the love of gold." (December 1988) 58 — Adventure game. — Correction, April 1989, p.48. PROS1; PROS2; SCRN1; SCRN2; **MAKEPROS**
- Clapper, David L. "Invoice innovation." (April 1989) 44 — Create professional-looking invoices and labels. OFFICE
- Collicott, John. "One liner contest winner." (August 1988) 117 — Reverse PMODE screen.
- Cooper, Rick. "Setting for one." (December 1988) 90 TURKISH
- Cooper, Rick. "States and capitals." (September 1988) 60 STATES
- Cooper, Rick. "Today's forecast." (April 1989) 82 - Graphics demo WHENRAIN
- Cooper, Rick. "The big bad wolf." (September 1988) 34 Fantasy joins forces with CoCo to help children's reading skills. BADWOLF
- Crawford, Gay. "Knee-high to a growth chart."
  (February 1989) 89 GROCHART
  Crawford, Gay. "Tangled tiles." (February 1989) 28
   Game and puzzle BLUEVOID
- Game and puzzie BLUEVOID

  Curtis, H. Allen. "High capacity screen dumps for the shoestring desktop publisher part 1." (May 1989) 100 Correction, June 1989, p.66.

  DRIVERLT; DRIVERLE etc.
- CONVERTI: DRIVERLE etc.

  Curtis, H. Allen. "The desktop publisher: A reprise." (September 1988) 102 GENMENU; PATCHWPL; PATCHWPH; CONVERTL; CONVERTH; MONROE
- Cutchin, Rusty. "Breaking the four-color barrier." (October 1988) 51 — Add many more than 4 colors in HSCREEN 4. NUCOLORS; DEMO
  Dater, Andrew. "The Hit list." (August 1988) 87—
- Keep track of the body count in role-playing games. KILLER
- Davies, Peter E. "Holidays at the hearth."
  (December 1988) 89 YULELOG
- Day, Darren. "Cider sipping." (September 1988) 76 - Music demo. CIDĖR
- Day, Darren. "Simple draw." (June 1989) 93
- SIMPLDRA
  Deuell, Lee. "255 ways to clear *your screen.*" (January 1989) 62 CLS255 DiStefano, Tony. "Turn of the Screw: The ABC's

- of disk drives." (May 1989) 80 DiStefano, Tony. "Turn of the screw: A simple, expandable LED project." (November 1988) 157

  — Makes computer control 8 LED's.
- Makes computer control o LEDS.

  DiStefano, Tony. "Turn of the screw: All about serial packs." (August 1988) 167

  DiStefano, Tony. "Turn of the screw: Do you read me?" (March 1989) 132 Adding input devices to an expansion board.

  DiStefano, Tony. "Turn of the screw: Lights out!"
- (April 1989) 96
- DiStefano, Tony. "Turn of the screw: Project expansion." (December 1988) 146
- DiStefano, Tony. "Turn of the screw: Summer cleanup." (September 1988) 140 Update on parallel interface and hardware patch for Multi-
- DiStefano, Tony. "Turn of the screw: The DEFs of disk drives." (June 1989) 98
- DiStefano, Tony. "Turn of the screw: Two for one." (July 1988) 148 Fit two adapters into vour controller at the same time.
- Dillon, John. "Adventure game mapping
- techniques." (August 1988) 114 Dingle, Brent. "CoCo pong." (January 1989) 63 COCOPONG
- Donze, Jeff. "Lunar lander." (May 1989) 28
- LANDERGG; LANDER

  Dowd, Kevin. "The little graphics library." (August 1988) 102 PROG1; PROG2; PROG3; PROG4

  Dowd, Roger D. "Are you missing something."
- (August 1988) 150 Repairing keyboard problems.
- Dueck, Timothy. "It'll move you." (April 1989) 82 - Animation demo ANIMATOR
- Duggins, Larry. "Teed off." (March 1989) 58 -Golf game GOLFER
- Duke, William L. "One liner contest winner." (June 1989) 85 — Print memory addresses.
- Dunn, Christopher. "It's a toad's life." (February 1989) 43 TOADER
- Elmer, Al. "Get the picture?" (July 1988) 93 Program enabling you to view MacPaint picture files on CoCo. MACVIEW
  Elms, Stephen. "It's a bug-eat-bug world."
  (November 1988) 76 CENTPEDE
  England, Carl. "Hint." (November 1988) 83—
- HPRINT shortened.
- Esposito, Richard E. "Doctor ASCII." (April 1989) 92 — Speedier operations; Disk problem;
- Joystick problem; etc.
  Esposito, Richard E. "Doctor ASCII." (August 1988)
  165 CoCo to PC; Graphics printing; Memory locations; Delphi problems.
- Esposito, Richard E. "Doctor ASCII." (December 1988) 158 — File transfers; Commodore comparison; DeskMate's default; etc .
- Esposito, Richard E. "Doctor ASCII." (February 1989) 99 — Transfer CoCo - PC; ProComm; OS9 problem; HJL keyboard etc.
- Esposito, Richard E. "Doctor ASCII." (July 1988) 154 — Drive support; Copy protection; VIP speller fix: etc.
- Esposito, Richard E. "Doctor ASCII." (March 1989) 94 — Saving graphics; Assembly language refs;
- Esposito, Richard E. "Doctor ASCII." (November 1988) 144 — T/S spell; ROM pack problems; Upgrade; etc.
- Esposito, Richard E. "Doctor ASCII." (October 1988) 40 - Some terms defined; CoCo2 vs
- CoCo3; Humidity, etc.
  Esposito, Richard E. "Doctor ASCII." (September 1988) 138 — Garbled sound; BASIC memory; Color artifacts; DeskMate 3; etc
- Esposito, Richard E.; and Libra, Richard W.
  "Doctor ASCII." (June 1989) 84 Memory
  jumpers; Disk drives on a PC; Spreadsheet, etc.
- Esposito, Richard E.; and Libra, Richard W. "Doctor ASCII." (May 1989) 136 — Mini-phono
- jacks; EDTASM; Mikeyterm; Printer codes, etc. Estrado, Richard. "Selective directory listings using wildcards." (June 1989) 122 WILDBIN Falk, Lawrence C. "Print#-2." (April 1989) 10— 'CoCo's Canadian future."
- Falk, Lawrence C. "Print#-2." (August 1988) 10 —
- 'Some Post-RAINBOWtest reflections." Falk, Lawrence C. "Print#-2." (December 1988) 10 - 'A season for reflection.'

- Falk, Lawrence C. "Print#-2." (February 1989) 10
- 'Here to stay.' Falk, Lawrence C. "Print#-2." (January 1989) 10 —
- 'Starting the year off right.'
  Falk, Lawrence C. "Print#-2." (July 1988) 10 'The dream machine.' Falk, Lawrence C. "Print#-2." (June 1989) 12 —
- 'Something akin to a miracle.
- Falk, Lawrence C. "Print#-2." (March 1989) 10 -'What's good for General Bullmoose...' Falk, Lawrence C. "Print#-2." (May 1989) 10 —
- 'Balancing a Rainbow.'
- Falk, Lawrence C. "Print#-2." (November 1988) 8 — 'Computer uses—you decide.'
  Falk, Lawrence C. "Print#-2." (October 1988) 10 —
- 'October magic'
- Falk, Lawrence C. "Print#-2." (September 1988) 10 'The computer's place in education.'
- Fingliss, Doug. "One liner contest winner." (August 1988) 117 — Graphics demo.
- Fogle, Paul. "One liner contest winner." (June 1989) 85 — Control cassette recorder.
- Foster, Leslie A. "The seventh year of Rainbow.' (July 1988) 133 — Index, July 1987 to June 1988. Francis, David. "Emphasize with the DMP 105."
- (August 1988) 53 ITALICS
  Francisco, Harleen. "Economy printer buffer, part 1 of 2." (June 1989) 100 HECONOMY Gagnon, Marc. "A moving Rainbow border." (April
- 1989) 112 COCOTOUR; CCTDEMO
- Genois, Marc "CoCo3 printer spooler." (May 1989) 86 SPOOLBAS
- Gibson, Charles Lee. "Two liner contest winner." (March 1989) 152 - Running total and average of times.
- Goff, Allen. "Showing off random graphics." (November 1988) 75 — Correction, January 1989, p.41. LOADER
- Goldberg, Steve. "Parameter changes made easy." (December 1988) 160 — Change disk drive
- parameters. DMode; MakeDMode Goodman, Martin H. "CoCo consultations." (March 1989) 76 Commodore drive; Transfer binary file; Monitor, etc.
- Goodman, Marty. "CoCo consultations." (April 1989) 54 — Monitors; Disk drives; Sharing a printer; etc.
- Goodman, Marty. "CoCo consultations." (August 1988) 162 — Flashes on screen; OS-9 crashes; ROM pak to disk
- Goodman, Marty. "CoCo consultations."

  (December 1988) 154 High speed poke; Hard drive; ML addresses, etc.
- Goodman, Marty. "CoCo consultations." (February 1989) 92 TTL monitor; Disk drive problem; CoCo Max; CoCo 3 inputs.
- Goodman, Marty. "CoCo consultations." (January 1989) 98 — Joystick repairs; CoCo and CM-8 monitor; OS-9 games patch, et c.
- Goodman, Marty. "CoCo consultations." (July 1988) 146 Convert CoCo2 to CoCo3; Multipak; Hardware failures; etc.
- Goodman, Marty. "CoCo consultations." (June 1989) 78 — Double sided disks; Serial I/O; ROM pak to disk, etc.
- Goodman, Marty. "CoCo consultations." (May 1989) 142 - Multi-pak; Copy ROM paks; Color printer, etc.
- Goodman, Marty. "CoCo consultations." (November 1988) 142 - DRAM-chip price; Audio output; Memory upgrades; Modemphone
- Goodman, Marty. "CoCo consultations." (October 1988) 56 — Use CoCo3's MMU; CoCo3 cold start; etc.
- Goodman, Marty. "CoCo consultations." (September 1988) 88 Fix for TW-80; Printer hookup; CoCo3 monitor; etc.
- Goodman, Marty. "Quick fixes." (October 1988) 58 Three do-it-yourself fixes for the hardware hacker. Correction, November 1988, p.138 (not
- needed—see Jan 1989, p.41).
  Goodman, Marty. "Upgrading CoCo's memory."
  (March 1989) 34
  Goodman, Marty. "A hard drive for your CoCo."
- (March 1989) 44
- Gordley, Richard D. "Long division drill." (September 1988) 53 DIVISION
- Grengs, Patrick D., II. "Warped animation." (October 1988) 102 - Create whirlpools and

- waves in an undulating grid. Correction, January 1989, p.41. GRAVGRID
- Gross, Kevin K. "One liner contest winner." (July 1988) 94 — Graphics demo.
- Grubb, Robert John. "CoBBS Xmodem routines." (November 1988) 88 XMRECV.ASM;
- XMSEND.ASM; XMRECV.SYS; XMRECPK.BAS Grumann, Harold. "Hint." (November 1988) 83 Autoexec-like file.
- Hair, Fred, Jr. "On VCR time." (September 1988) 122 — Calculating time intervals for VCR tape. VIDTIME
- Halbrook, Travis. "Custom cassette labels." (February 1989) 88 CASSLBLR
- Halbrook, Travis. "May the force be with you?" (July 1988) 85 PSYCHIC
- Hameluck, Jeff. "Sea War." (August 1988) 20 SEAWAR
- Hathaway, Ed. "CoCo clubs: Building a great foundation." (January 1989) 34 — How to organize a club.
- Haverstock, Mark. "The old switcheroo II." (August 1988) 120 — Handle switching of joystick and cassette ports. Correction, October 1988, p.84
- Hegberg, Joel. "I/O in the fast lane." (November
- 1988) 75 Speed up disk i/o. FASTOISK Hegberg, Joel. "Sound control." (June 1989) 92 SNDCTRL
- Hill, Kenneth R. "Big brother's watching." (March 1989) 78 BLINK
- Hill, Kenneth R. "An uncommon view." (April 1989) 81 — Graphics demo STARVIEW Hufford, Wayne. "The timer." (May 1989) 75 —
- Timekeeper for games. SOUNDOFF
- Hurt, Bradley. "Diary." (June 1989) 91 DIARY Hutchison, Don. "Delphi Bureau: CoCo DOS?" (April 1989) 50
- Hutchison, Don. "Delphi bureau: At your service." (May 1989) 40
- Hutchison, Don. "Delphi bureau: Common questions." (December 1988) 148 - Includes Database report.
- Hutchison, Don. "Delphi bureau: Database report." (August 1988) 152
- report. (August 1988) 152 Hutchison, Don. "Delphi bureau: Database report." (July 1988) 150 Hutchison, Don. "Delphi bureau: Database report." (October 1988) 64
- Hutchison, Don. "Delphi bureau: Database
- report." (September 1988) 118
  Hutchison, Don. "Delphi bureau: Haven't I seen
  you before? (November 1988) 33 Includes database report. Hutchison, Don. "Delphi bureau: What's goin' on?"
- (March 1989)96 Hutchison, Don. "Delphi bureau: Who has the
- time?" (January 1989) 114 Includes Database report.
- Hutchison, Don. "Working together: Delphi and tape I/O." (August 1988) 156 Two utilities to help download programs using Modem Pak. TAPCNV; BASFIX
- Hutchison, Don. "The computer connection." (November 1988) 28 — Connecting a CoCo to other computers
- Hyre, Leonard. "Election '88." (November 1988) 58 - Keep track of election results. ELECTION
- Hyre, Leonard. "Convention." (July 1988) 110 -Help keep track of voting at conventions. CONVENTN
- Jenkins, Dave. "An RGB demonstration." (January
- 1989J65RGBDEMO
  Jenkins, Dave. "So you want to be a SysOp."
  (November 1988) 36
  Jimenez, Daniel. "Program a RAM disk." (January
- 1989) 110 Correction, April 1989, p.48. RAMDISK; COPY
- Johnson, Richard K. "More than a house." (February 1989) 110 — Help organize search for
- the right home. DRIVEBY; HOUSE; LOANDATA Johnson, Richard. "Stalking the used car."

  (September 1988) 16 Used car shopping guide USEDCARS
- Johnson, Samuel D. "EduSpell." (December 1988) 42 — First in a series developing a talking spelling tutor. SPELLER; ROMRAM; SETHELP; TAKETEST
- Jones, Edward. "Font selection made easy." (May

- 1989) 68 FONTSETR.
- Jones, Paul E. "Save that screen." (December 1988) 108 — Clears monitor screen to black if no key pressed. SCRNSAVE
- Kastack, Rebecca. "Counting the words." (January 1989) 62 WORDCNT
  Kastack, Rebecca. "The singing card." (December
- 1988) 112 Send a musical holiday greeting. SINGCARD
- Kenny, Keiran. "All things in progression." (January 1989) 61 — Charade-like education
- Kenny, Keiran. "Answers for your questions." (September 1988) 72 — Quiz game. FLEXQUIZ
- Kenny, Keiran. "For the birds." (April 1989) 83 -Graphics demo BIRDSEED
- Kenny, Keiran. "Guess who." (July 1988) 83 **GUESSWHO**
- Kenny, Keiran. "Left beats right." (June 1989) 89 REACTION
- Kenny, Keiran. "Mental math blocks." (September 1988) 71 ADDBLOKS
- Kenny, Keiran. "News flash! News flash!" (December 1988) 92 — Home news screen.
- Leceniuser 1900/92 Home news screen.
  Correction, Feb. 89, p.76. NEWSREEL
  Kenny, Keiran. "Tying up DRAW strings."
  (October 1988) 87 COPYPIX
  Kenny, Keiran. "What's missing?" (August 1988)
- 79 MEMORY
- Kenny, Keiran. "Who ya gonna write?" (April 1989) 80 - Print mailing labels. EZLABELS
- Kenny, Keiran. "The building blocks of graphics." (February 1989) - Introduce lo-res graphics. CLRBLÓKS
- Kenny, Keiran. "The flip side.' (January 1989) 22 - Use one sheet paper to print a 6 page pamphlet. BOOKLET
- Kiedaisch, Charles A. "One liner contest winner." (September 1988) 120 - Convert fractions to decimals.
- Klein, Joel F. "It's your move." (August 1988) 28 Chess simulation. CHESS
- Knapik, Steve. "Hacker, beware." (December 1988) 91 — Disk file protection. LOCKOUT
- Kolar, Joseph. "BASIC training: BASIC bird watching." (May 1989) 88 Creating figure of bird. FLIGHTS1-3
  Kolar, Joseph. "BASIC training: Boxcars, boxcars,
- boxcars." (June 1989) 80 BOXCAR1
- Kolar, Joseph. "BASIC training: Count your eggs
- before they drop." (April 1989) 64 BIGBIRD Kolar, Joseph. "BASIC training: Creating a utility screen worksheet." (September 1988) 80 -Tutorial for DRAW command.
- Kolar, Joseph. "BASIC training: Let's GET going." (January 1989) 74
- Kolar, Joseph. "BASIC training: New directions."
- (October 1988) 98 Graphics tutorial Kolar, Joseph. "BASIC training: Shall we dance?" (December 1988) 94 — 'Animate your graphics.'
- Kolar, Joseph. "BASIC training: The Encyclopedia CoColoria." (August 1988) 82 - Discusses back issues of Rainbow.
- Kolar, Joseph. "BASIC training: Thirty days hath September." (*July 1988*) 86 Tutorial to teach students the months of the year. 12MONTHS
- Kolar, Joseph. "BASIC training: What's the angle?" (November 1988) 84 — Graphics tutorial.
- Kolesar, Fred. "EZrun." (June 1989) 62 Autorun BASIC programs by typing in their filenames. EZRUN
- Kyllo, Donald. "Cryptologist's sidekick." (July 1988) 80 CRYPTAID
- Lamonica, James ;and Lamonica, Mary Jean. "Clue me in!" (September 1988) 65 — Charades game CLUEFILE; CLUEWORD
- Lamonica, Mary; and Lamonica, James. "I'm late! I'm late!" (February 1989) 106 Daily planner. DAYPLAN
- Lamonica, Mary; and Lamonica, James. "Stretch it to the limit." (April 1989) 103 Keep track of credit card balances and transactions. CREDIT Larson, Neal. "Mass disk formatter." (September
- 1988) 30 FORMATTR Lim, Larry. "One liner contest winner." (October 1988) 54 — Display poke and peek values for
- CoCo 3 keyboard. Lowry, James Kevin. "Minding your X's and Y's."

- (August 1988) 77 JOYZAP
- Massie, Warren. "CoCo says..." (February 1989) 89 SIMON
- Maxwell, Wilmer B. "Looking for a heartbeat." (July 1988) 84 - Estimate pulse rate. PULSBEAT
- McCorkle, R. J. "Having a party?" (May 1989) 46 Print invitations, flyers, etc. INVITE: **INVIFORM**
- McKernan, Chris. "Escape from Tut's tomb parts 2 and 3." (August 1988) 58 - Correction, October 1988, p.84 2PART1; 2PART2; 3PART1; 3PART2
- McKernan, Chris. "Escape from Tut's tomb." (July 1988) 58 — Arcade game written in machine language. ONE; TWO; THREE; FOUR
- Messer, Shane. "Hi-res screen dump." (May 1989) 74 DUMP132
- Miller, Merle. "Disks name miscl." (June 1989) 92 MMDIR
- Miller, Ralph D. "Washington, Adams, Jefferson...." (November 1988) 102 — Presidential drill. PRESDENT
- Miller, Stephen. "Has anyone seen my string?" (March 1989) 80 ASCSERCH
- Miller, Stephen. "ML-Data." (August 1988) 100 -Routine to convert machine language program into BASIC. ML-DATA
- Mims, Eric Ryan. "Just one touch-just one breath." (February 1989) 50 - CoCo makes calculations easier for the disabled. CALCLATR
- Mitchel, Barry J. "All the right moves." (December 1988) 116 — Correction, April 1989, p.48. Faster graphics. SCRLDEMO; FASTSCRL
- Mony, Sam. "Two-liner contest winner." (April 1989) 124 - Make a PRINT@ worksheet.
- Mony, Sam. "Two-liner contest winner." (March 1989) 148 — Printer utility.

  Moore, Clayton R. "Asteroid dodge." (June 1989)
- 90 ASTEROID
- Moore, Mike. "The Christmas tree puzzle." (December 1988) 20 — 'Can you plant the royal Christmas trees as the king desires? TRFFPU77
- Moos, Patricia. "Fright night." (October 1988) 86 — Pumpkin graphic. SPOOK
  Morin, Jean-Francois. "Now you see it, now you
- don't!" (June 1989) 48 Optical illusions. ILLUSION
- Murray, Ken. "A CoCo Christmas." (December 1988) 95 — Chrismas poem.
- Musumeci, John. "Now or never." (January 1989) 58 — Music and graphics demo. MANDÓ Nalos, Paul. "Elevators." (June 1989) 90
- **ELEVATOR** Nee, William P. "Machine language made BASIC part 1: General Math." (July 1988) 100
- SORTBAS;SORTBIN Nee, William P. "Machine language made BASIC
- part 2: High finances." (August 1988) 137 FINANBAS; FINANBIN
- Nee, William P. "Machine language made BASIC part 3: What a dump!" (September 1988) 98 DUMPBAS; DUMPBIN
- Nee, William P. "Machine language made BASIC part 4: Getting graphic." (October 1988) 48 PAGER
- Nee, William P. "Machine language made BASIC part 5: Get the point." (November 1988) 80 POINTBAS; POINTBIN
- Nee, William P. "Machine language made BASIC part 6: Draw the line." (December 1988) 104 BASLINE; BINLINE
- Nee, William P. "Machine language made BASIC part 7: Around in circles." (January 1989) 90 CIRCLES; ARCS
- Nee, William P. "Machine language made BASIC part 8: And more math." (February 1989) 96
- Nee, William P. "Machine language made BASIC part 9: Let there be music." (March 1989) 30 MLNOTES
- Nee, William P. "Machine language made BASIC part 10: Two-dimensional rotation. (April 1989) 72 DEMO; DRIVER; ROTATION
- Nee, William P. "Machine language made BASIC part 11: 3-D without glasses." (May 1989) 82 ROTATE3D; DRIVER; ALTOROTAT
- Nee, William P. "Machine language made BASIC part 12: And the music played on." (June 1989)

- 68 6VOICES
- Norris, Duke. "LII" ole interest, revisited." (April 1989) 18 — Update of September 1984 article. INTÉREST
- O'Brien, Dan. "Towers of Hanoi." (February 1989) 90 HANOI
- Olmstead, Paul. "One-liner contest winner." (March 1989) 148 - Graphics demo
- Osborne, Gary. "Hit the slopes!" (January 1989) 63 DOWNHILL
- Ostrer, Ken. "CoCo ASCII table." (September 1988) 76 Display character set and ASCII codes. ASCI 13
- Ostrer, Ken. "Hint." (November 1988) 83 Cursor
- Ostrer, Ken. "Odd one out." (November 1988) 77 - Drill for even and odd numbers. EVENODD
- Parker, Jeffrey S. "Desktop publishing comes to the CoCo." (May 1989) 58 - Comparison of several programs.
- Paul, Steve. "Chores for dollars." (May 1989) 77 CHORES
- Pendell, Joseph. "Beam3D." (May 1989) 75 -Animate 3 dimensional pictures. BEAM3D
- Perlman, Richard. 'The do-it-yourself database: Designing your own money management system." (March 1989) 88 — Second in a series of tutorials. SEPARATE; RITEREAD; TIMER; CREATE; ADDRECRD
- Perlman, Richard. 'The do-it-yourself database: Subroutines and program code. (February 1989) 36 — First in a series of tutorials SUBDEMO: REALMENU; MARBLE1; MARBLE2
- Phillips, Charles F. "CoCo 3 green screen blues." (July 1988) 83 — CoCo 3 output to monochrome monitor. MON03
- Phillips, John E. "The mathematics of chaos." (March 1989) 81 FRACTAL
- Plaster, Gip Wayne. "Play your piano." (December 1988) 93 — Music demo. KEYBOARD
- Presley, Chad. "Winging it." (August 1988) 78 **FLIGHT**
- Pucella, Ric. "Free zone." (November 1988) 74 Protect area of screen from scrolling. NOSCROLL
- Pucella, Ric. "Hot stuff." (May 1989) 76 HOTCOLD Puckett, Dale L. "KISSable OS-9: Advances in OS-9 technology." (February 1989) 152 Charter; Translate
- Puckett, Dale L. "KISSable OS-9: Another cry for standards." (October 1988) 147 FMenu; Modi; Mod2; DiskFix; FormatFix
  Puckett, Dale L. "KISSable OS-9: BASIC09—A
- great language." (January 1989) 136

  Puckett, Dale L. "KISSable OS-9: Better tools are here!" (December 1988) 178 Xcodes.CC3
- Puckett, Dale L. "KISSable OS-9: Building two handy tools." (June 1989) 150 Find; Findit; Diskdir; Checkdir; Dodir
- Puckett, Dale L. "KISSable OS-9: In quest of new technology." (April 1989) 148
- Puckett, Dale L. "KISSable OS-9: Moving to OS-9." (March 1989) 136Traksat; Echo.Source; Make.Echo
- Puckett, Dale L. "KISSable OS-9: Sending the right signals." (July 1988) 174 MVShell;
- SigTestOne; SigTestTwo; SkipMuf
  Puckett, Dale L. "KISSable OS-9: Volunteers build a better mousetrap." (August 1988) 182 Gfx3 Puckett, Dale L. "KISSable OS-9: Installation,
- automation and more." (November 1988) 176 ClkSpd; ClkChk; DoMenu; DoAlert; Strip; MakeStrip
- Queen, William A., III. "Math drill." (May 1989) 76 MATHDRILL
- Quellhorst, George. "Solitaire, the next generation." (December 1988) 36 'Adding color to solitaire on the CoCo3.' SOLTAIR3
- Reid, Randall. "A patch for a patch." (February 1989) 80 — Modify EDTASM for 80 column screen. Correction, June 1989, p.66. EDPATCH; **EDLOADER**
- Ries, Richard. "PR.B09." (June 1989) 136 Print utility for OS-9. Pr
- Ries, Richard. "What day is it?" (February 1989) 142 — Utility to change format of date. SetDate Riley, Russell, Jr. "Boggling your mind." (February 1989) 91 HEADSUP
- Robinson, Evan. "Chown." (May 1989) 144 Change ownership of OS-9 files. CHOWN

- Rochford, Tom. "Who you gonna call?" (January 1989) 64 TELE-DIR
- Rodriguez, Ana M. "Applying labels." (February 1989) 88 — Make address labels. ADLABELS Rodriguez, Ana M. "CoCo clowns around. (September 1988) 74 — Clown graphics.
- Ronald, Bruce W. "One of our pool balls must be crazy!" (July 1988) 28 — Logic problem tester. BALLS BALLS
- Ronald, Bruce W. "The crazy pool ball explained." (August 1988) 18 — Solution to last month's
- Roseman, Mark. "A new outlook for OS-9." (July 1988) 16 — Using subdirectories and shell scripts to build an OS-9 menu system.
- Rowan, Don. "One liner contest winner." (July 1988) 131 — Converts PRINT to SET or vice versą.
- Ruby, Paul, Jr. "And for my next trick... (December 1988) 92 — Card trick. CARDTRIK Samuels, Edward. "Copyright law update: Congress alters rules of copyright notice. (April 1989) 41
- Scerbo, Fred B. "Wishing Well: How much time?" (April 1989) 89 Calculate differences in time. TIMECARÓ
- Scerbo, Fred B. "Wishing Well: Matching opposites." (August 1988) 92 - Basic vocabulary for elementary students. OPOSITE1 Scerbo, Fred B. "Wishing well: CoCo uses some comma sense!" (July 1988) 156 — Training on

correct comma usage. COMMAS

- Scerbo, Fred B. "Wishing well: Count on CoCo." (February 1989) 82 — Program designed to teach fundamental math skills to new students. COUNTME
- Scerbo, Fred B. "Wishing well: From keyboard to keypad." (March 1989) 84 Simulate a numeric keypad. QLATOR Scerbo, Fred B. "Wishing well: Growing up with
- CoCo." (November 1988) 146 Building on skills developed in earlier games. PICTURES
- Scerbo, Fred B. "Wishing well: Hold that thought!" (December 1988) 150 'Make composition
- writing simple.' BRAINSTM
  Scerbo, Fred B. "Wishing well: Just say goodnight
  Gracie." (June 1989) 87 WEEKDAYS
  Scerbo, Fred B. "Wishing well: Opposite
- attraction." (September 1988) 92 Concentration-like game. MATCH
- Scerbo, Fred B. "Wishing well: Twelve months of fun." (May 1989) 92 CALENDAR
- Scerbo, Fred B. "Wishing well: Two for the price of one." (October 1988) 90 - Continuation of last months 'opposites' game. OPOSITE2
- Scerbo, Fred B. "Wishing well: Where's the logic?" (January 1989) 80 ANALOGY
- Schuler, Keith. "Castle Zhagwhar." (June 1989) 41 ZHAGWHAR
- Seats, Darrin. "Note card." (May 1989) 78 NOTECARD
- Sims, Mike. "One liner contest winner." (July 1988) 95 — Graphics demo.
- Skala, Dennis. "OS-9: Time for a change." (April
- Sloan, Kevin. "A CoBBS update." (November 1988) 16 Modifying the CoBBS system to work with the CoCo3. COBBS/SYS; USER/SYS
- Sobieski, Joe F. "One liner contest winner." (July 1988) 131 — Multiplication tables.
- Souser, William. "Make a note of it." (April 1989) 52 CALLMEMO
- Spiller, Jeremy. "Erase all trace!" (July 1988) 118 Free up memory without unplugging the disk drive. DISKOFF
- Spiller, Jeremy. "Super stamper: The elastic rubber graphics stamp." (October 1988) 28 Two new graphics commands for PMODE image manipulation. SUPRSTMP; STMPDEMO
- Spiller, Jeremy. "What disk drive?" (December 1988) 100 — Get more memory without disconnecting the disk drive on CoCo3. DISKOFF3
- St. Jean, Etienne. "Bouncing off the walls." (January 1989) 59 — Graphics demo.
- Stanley, Willis. "Decisions, decisions." (April 1989) 118 - Program to help in decision making. AHP

- Steidl, Jeff. "Electro dominoes." (June 1989) 18 **DOMINOES**
- Sweaney, Erich. "Seeing the bigger picture." (October 1988) 88 — Increases CoCo3's HSCREEN 2 and 4. COCOPLUS
- Sweet, Michael. "Get more power from your CoCo keyboard." (October 1988) 72 - Add functions to various keys. KEYPOWER
- Tatarka, James A. "A tribute to the CoCo2." (June 1989) 22 PORTRAIT
- Thompson, Ernie. "Keeping a card count." (December 1988) 90 — Greeting card list. CARDLIST
- Toepke, Michael, "One liner contest winner,"
- (September 1988) 37 Ski game. Toepke, Michael. "One liner contest winner." (September 1988) 137 — Magic square.
- Toepke, Michael. "Two liner contest winner."
- (August 1988) 81 Pong type game. Toepke, Michael. "Two liner contest winner." (December 1988) 120 — Mastermind type game.
- Toepke, Michael. "Two liner contest winner."

  (March 1989) 152 Game.

  Turner, David. "Bills, bills, bills!" (October 1988) 14 — Program to help roommates organize
- expenses. ROOMMATE Turner, Del. "Hint." (August 1988) 169 - Use of COBBLER command.
- Turner, Del. "Hint." (July 1988) 189 'Handy work window.
- Turner, Del. "Hint." (November 1988) 92 Discussion of memory and OS9.
- Turner, Del. "Hint." (October 1988) 83 Three handy screens. Turner, Del. "Hint." (September 1988) 134 — OS-9
- hints.
- Turowski, Donald A. "A seat for everyone and everyone in his seat." (September 1988) 45 Seating chart for classroom. SEATCHRT
- Vasconi, Eugene. "CoCo in 3-D!" (June 1989) 52 3DGRAPHX
- Ward, Logan. "Cartooning with CoCo." (July 1988) 50 - Tutorial on creating CoCo comics, and announcement of a contest.
- Weaver, Dan; and Weaver, John. "When in Rome." (September 1988) 71 — Learn Roman numerals.
- ROMANMRL
  Webb, Mark. "Playing the stock market." (November 1988) 45 STOCKS3; STOCKS2 Weide, Dennis H. "CoCo takes a hint." (August
- 1988) 36 Program to help you compare disk files for duplicates. FILECOMP
- Weide, Dennis H. "Hands-free computing." (February 1989) 58 Aid physically handicapped people. COEPPRAM; COEPPROM Wells, John T. "Space attack." (August 1988) 78
- Welsh, Jack D. "Text for graphics." (May 1989) 20 Add captions to pictures. GRAFTEXT
   Weshenfelder, Rick. "Ad infinitum." (October
- 1988) 87 Graphics demo. EYECATCH White, Brian C. "Learn to walk before you RUN." (January 1989) 78 — Beginner tutorial
- White, Danny. "One liner contest winner." (July 1988) 12 Mini word processor.
- White, Richard A. "Accessible applications: Boot modifications." (December 1988) 186 'Create the perfect boot disk.'
  White, Richard A. "Accessible applications: Boot
- mysteries revealed." (November 1988) 172
  White, Richard A. "Accessible applications: Data
- White, Richard A. Accessible applications. Data processing with BASIC09." (April 1989) 152
  White, Richard A. "Accessible applications:
  Introducing the OS-9 team." (October 1988) 143
  White, Richard A. "Accessible applications: More
- on BASIC09 programming." (May 1989) 146 White, Richard A. "Accessible applications: OS-9
- memory explorations." (January 1989) 152
  White, Richard A. "Accessible applications: The magic and mysteries of OS-9." (September 1988) 142
- White, Richard A. "Accessible applications: What's the difference?" (March 1989) 154 Standard formats in file or directory use.
- Wilensky, Joe. "CoCo derby." (May 1989) 42 DERBY
- Willoughby, Lauren. "RAINBOWfest reporter." (February 1989) 101 — Princeton, October 21-23, 1988,

- Wolf, Eric. "Chart plotting made easy." (January 1989) 44 — Draw multi-color pie charts from
- self-entered data. PIECHART
  Wolf, Eric. "The font master." (October 1988) 41 Replace CoCo3's built-in HPRINTfont." **FONTMSTR**
- Wolstromer, Andy. "CoCo of many colors." (March 1989) 79 COCOLEID
- Yates, Jerry. "Keeping your balance." (February 1989) 87 — Checkbook checker. CHEKBOOK
- Zamora, Tony. "CoCo does windows and a whole lot more." (March 1989) 100 - Add point and click interface, windows, etc. Correction, June 1989, p.66. DESKTOP

#### **RAINBOW ON TAPE/DISK**

- 12MONTHS Kolar, Joseph. "BASIC training: Thirty days hath September." (July 1988) 86 — Tutorial to teach students the months of the vear.
- 2PART1; 2PART2; 3PART1; 3PART2 McKernan, Chris. "Escape from Tut's tomb parts 2 and 3." (August 1988) 58 — Correction, October 1988. n 84
- 3DGRAPHX Vasconi, Eugene. "CoCo in 3-D!" (June 1989) 52
- 5-COLDIR Bérnico, Bill. "Five-column directories." (March 1989) 80
- 6VOICES Nee, William P. "Machine language made BASIC part 12: And the music played on." (June 1989) 68
- ADDBLOKS Kenny, Keiran. "Mental math blocks." (September 1988) 71
- ADLABELS Rodriguez, Ana M. "Applying labels."
- (February 1989) 88 Make address labels.
  AHP Stanley, Willis. "Decisions, decisions." (April 1989) 118 — Program to help in decision making.
- ALARM Blyn, Steve. "Education notes: Time's up!" (December 1988) 102 — A working alarm clock. ALLPERMS; 1STMOVES; DATAMAKR;
- TICTACTO Barden, William, Jr. "Barden's buffer: Can the CoCo learn?" (July 1988) 160
  ANALOGY Scerbo, Fred B. "Wishing well: Where's the logic?" (January 1989) 80
- ANIMATOR Dueck, Timothy. "It'll move you." (April 1989) 82 Animation demo
- ASCICALC Bauer, Greg. "Turning text graphics into title screens." (*March* 1989) 79
  ASCII3 Ostrer, Ken. "CoCo ASCII table." (September 1988) 76 Display character set
- and ASCII codes.
- ASCSERCH Miller, Stephen. "Has anyone seen my string?" (March 1989) 80 ASTEROID Moore, Clayton R. "Asteroid dodge."
- (June 1989)90
- BADWOLF Cooper, Rick. 'The big bad wolf." (September 1988) 34 — Fantasy joins forces
- with CoCo to help children's reading skills.
  BALL3; BALL2 Ronald, Bruce W. "One of our pool balls must be crazy!" (July 1988) 28 Logic problem tester.
- BALLDEMO St. Jean, Etienne. "Bouncing off the walls." (*January 1989*) 59 Graphics demo.

  BASLINE; BINLINE Nee, William P. "Machine language made BASIC part 6: Draw the line." (December 1988) 104
- BEAM3D Pendell, Joseph. "Beam3D." (May 1989)
- 75 Animate 3 dimensional pictures.
  BIGBIRD Kolar, Joseph. "BASIC training: Count
- your eggs before they drop." (April 1989) 64
  BINGOTLK Bell, Bruce K. "Bingo, the CoCo way."
  (August 1988) 38 Correction, Feb. 89, p.76
  BIRDSEED Kenny, Keiran. "For the birds." (April
- 1989) 83 Graphics demo BLINK Hill, Kenneth R. "Big brother's watching."
- (March 1989) 78 BLOCKS3; BLOCKS2 Bernico, Bill. "Pixel
- pictures." (January 1989) 28 Use these graphics programs to create brilliant pictures. BLUEVOID Crawford, Gay. "Tangled tiles.
- (February 1989) 28 Game and puzzle BOOKLET Kenny, Keiran. "The flip side.' (January 1989) 22 — Use one sheet paper to print a 6
- page pamphlet. BOXCAR1 Kolar, Joseph. "BASIC training: Boxcars, boxcars, boxcars." (June 1989) 80 BRAINSTM Scerbo, Fred B. "Wishing well: Hold

- that thought!" (December 1988) 150 'Make composition writing simple.
- BUDDY Campbell, Marc. "CoCo's current companion." (July 1988) 34 — A program editor for the CoCo 3. Correction, Feb. 89, p.77.
- BUGGIE Bernico, Bill. "Child's play." (August
- CALCLATR Mims, Eric Ryan. "Just one to uch-just one breath." (February 1989) 50 CoCo makes calculations easier for the disabled.
- CALENDAR Scerbo, Fred B. "Wishing well:
- Twelve months of fun." (May 1989) 92
  CALLMEMO Souser, William. "Make a note of it." (April 1989) 52
- CARDLIST Thompson, Ernie. "Keeping a card count." (December 1988) 90 - Greeting card
- CARDTRIK Ruby, Paul, Jr. "And for my next trick..." (December 1988) 92 — Card trick. CASSLBLR Halbrook, Travis. "Custom cassette
- labels." (February 1989) 88 CC3GRAPH Bernico, Bill. "Pieces of the pie."
- (April 1989) 79 Draw a pie chart. CENTPEDE Elms, Stephen. "It's a bug-eat-bug world." (November 1988) 76
- CHEKBOOK Yates, Jerry. "Keeping your balance." (February 1989) 87 - Checkbook
- CHESS Klein, Joel F. "It's your move." (August 1988) 28 — Chess simulation.
- CHORES Paul, Steve. "Chores for dollars." (May 1989) 77
- CHOWN Robinson, Evan. "Chown." (May 1989) 144 — Change ownership of OS-9 files.
- CIDER Day, Darren. "Cider sipping." (September 1988) 76 — Music demo.
- CIPHER Bedard, Clem. "Secret codes." (January 1989 1102
- CIRCLES; ARCS Nee, William P. "Machine language made BASIC part 7: Around in circles." (January 1989) 90
- CLRBLOKS Kenny, Keiran. "The building blocks of graphics." (February 1989) - Introduce lo-res
- CLS255 Deuell, Lee. "255 ways to clear your screen." (January 1989) 62
- CLUEFILE; CLUEWORD Lamonica, James ;and Lamonica, Mary Jean. "Clue me in!" (September 1988) 65 - Charades game
- COBBS/SYS; USER/SYS Sloan, Kevin. "A CoBBS update." (November 1988) 16 - Modifying the CoBBS system to work with the CoCo3.
- COCOLEID Wolstromer, Andy. "CoCo of many colors." (March 1989) 79
- COCOPLUS Sweaney, Erich. "Seeing the bigger picture." (October 1988) 88 — Increases CoCo3's HSCREEN 2 and 4.
- COCOPONG Dingle, Brent. "CoCo pong." (January 1989) 63
- COCOQUIZ Bernico, Bill. "The CoCo quiz master." (June 1989) 57
- COCOTOUR; CCTDEMO Gagnon, Marc. "A moving Rainbow border." (April 1989) 112
- COEPPRAM; COEPPROM Weide, Dennis H. "Hands-free computing." (February 1989) 58 Aid physically handicapped people.
- COMMAS Scerbo, Fred B. "Wishing well: CoCo uses some comma sense!" (July 1988) 156 Training on correct comma usage.
- CONTEST Bernico, Bill. "Set your wheels to spinning." (July 1988) 48 — Contest-brush up programming creativity and submit result.
- CONVENTN "Convention." (July 1988) Hyre, Leonard. — Help keep track of voting at conventions.
- CONVERT Blyn, Steve. "Education notes: Give 'em an inch." (January 1989) 72 - Convert inches to feet and yards.
  COPYPIX Kenny, Keiran. "Tying up DRAW
- strings." (October 1988) 87
- CORE Brown, Philip. "Tools for programming BASIC09." (May 1989) 138 — Using Syscall to enhance BASIC09.
- COUNTME Scerbo, Fred B. "Wishing well: Count on CoCo." (February 1989) 82 — Program designed to teach fundamental math skills to new students.
- ORDINATE Bernico, Bill. "The Color coordinator.' (April 1989) 101 - Helps children develop good fashion sense.

- CREDIT Lamonica, Mary ; and Lamonica, James. "Stretch it to the limit." (April 1989) 103 Keep track of credit card balances and transactions.
- CRYPTAID Kyllo, Donald. "Cryptologist's sidekick." (July 1988) 80
- Charter; Translate Puckett, Dale L. "KISSable OS-9: Advances in OS-9 technology." (February 1989) 152
- ClkSpd; ClkChk; DoMenu; DoAlert; Strip; MakeStrip Puckett, Dale L. "KISSable OS-9: Installation, automation and more." (November 1988)176
- DAYPLAN Lamonica, Mary ; and Lamonica, James. "I'm late! I'm late!" (February 1989) 106 Daily planner.
- DEMO; DRIVER; ROTATION Nee, William P. "Machine language made BASIC part 10: Two-dimensional rotation. (April 1989) 72
- DERBY Wilensky, Joe. "CoCo derby." (May 1989)
- DESKTOP Zamora, Tony. "CoCo does windows and a whole lot more." (March 1989) 100 - Add point and click interface, windows, etc. Correction, June 1989, p.66. DIARY Hurt, Bradley. "Diary." (June 1989) 91
- DICTNARY Blyn, Steve. "Education notes: Break it up." (April 1989) 98 — Dictionary skills program.
- DISKOFF Spiller, Jeremy. "Erase ail trace!" (July 1988) 118 — Free up memory without
- unplugging the disk drive.
  DISKOFF3 Spiller, Jeremy. "What disk drive?"
  (December 1988) 100 Get more memory without disconnecting the disk drive on CoCo3.
- DIVISION Gordley, Richard D. "Long division drill." (September 1988) 53
- DMode; MakeDMode Goldberg, Steve. "Parameter changes made easy." (December 1988) 160 -Change disk drive parameters.
- DOMINOES Steidl, Jeff. "Electro dominoes." (June 1989) 18
- DOODLER3 Bernico, Bill. "Doodle ditty." (January 1989) 60
- DOWNHILL Osborne, Gary. "Hit the slopes!"
- (January 1989)63 DRIVEBY; HOUSE; LOANDATA Johnson, Richard K. "More than a house." (February 1989) 110 Help organize search for the right home.
- DRIVERLT; DRIVERLE etc. Curtis H. Allen. "High capacity screen dumps for the shoestring desktop publisher part 1." (May 1989) 100 — Correction, June 1989, p. 66.
- DUMP132 Messer, Shane. "Hi-res screen dump." (May 1989) 74
- DUMPBAS; DUMPBIN Nee, William P. "Machine language made BASIC part 3: What a dump!" (September 1988) 98
- EAGLE Caldwell, Steve. "Here eagles dare." (July 1988) 82 — Graphics demo.
- EDPATCH; EDLOADER Reid, Randall. "A patch for a patch." (February 1989) 80 - Modify EDTASM for 80 column screen. Correction, June 1989, p.66.
- ELECTION Hyre, Leonard. "Election '88." (November 1988) 58 — Keep track of election results
- ELEVATOR Nalos, Paul. "Elevators." (June 1989)
- EVENODD Ostrer, Ken. "Odd one out."
  (November 1988) 77 Drill for even and odd numbers
- EYECATCH Weshenfelder, Rick. "Ad infinitum."
- (October 1988) 87 Graphics demo.

  EZLABELS Kenny, Keiran. "Who ya gonna write?"
  (April 1989) 80 Print mailing labels.

  EZRUN Kolesar, Fred. "EZrun." (June 1989) 62 —
- Auto-run BASIC programs by typing in their filenames
- EZSHOOT Wells, John T. "Space attack." (August 1988) 78
- FASTDISK Hegberg, Joel. "I/O in the fast lane." (November 1988) 75 Speed up disk i/o.
- FILECOMP Weide, Dennis H. "CoCo takes a hint." (August 1988) 36 — Program to help you compare disk files for duplicates.
- FINANBAS; FINANBIN Nee, William P. "Machine language made BASIC part 2: High finances.' (August 1988) 137
- Find; Findit; Diskdir; Checkdir; Dodir Puckett, Dale L. "KISSable OS-9: Building two handy

- tools." (June 1989) 150
- FLEXQUIZ Kenny, Keiran. "Answers for your questions." (September 1988) 72 — Quiz game. FLIGHT Presley, Chad. "Winging it." (August
- 1988) 78
- FLIGHTS1-3 Kolar, Joseph. "BASIC training: BASIC bird watching." (May 1989) 88 Creating figure of bird.
- FMenu; Modi; Mod2; DiskFix; FormatFix Puckett, Dale L. "KISSable OS-9: Another cry for standards." (October 1988) 147 FONTMSTR Wolf, Eric. "The font master."
- (October 1988) 41 Replace CoCo3's built-in HPRINTfont.
- FONTSETR Jones, Edward. "Font selection made easy." (May 1989) 68
- FORMATTR Larson, Neal. "Mass disk formatter." (September 1988) 30
- FORTUNE Burnham, Paul D. "The CoCo crystal ball." (June 1989) 28 - Fortune teller
- FRACTAL Phillips, John E. "The mathematics of chaos." (March 1989) 81
- FRACTION Blyn, Steve. "Education notes:
- Fraction action." (May 1989) 56
  FUNSTATS; RSTRMKR; RSTRFXR; GMFLCHK, etc. Baker, Delbert. "FunStats." (June 1989) 110 Keep statistics for your Softball team.
- GASQUIZ Blyn, Steve. "Education notes: Motor math." (July 1988) 54 Practice in solving verbal math problems.
- GENMENU: PATCHWPL: PATCHWPH: CONVERTL; CONVERTH; MONROE Curtis, H. Allen. "The desktop publisher: A reprise." (September 1988) 102
- Gfx3 Puckett, Dale L. "KISSable OS-9: Volunteers
- build a better mousetrap." (August 1988) 182 GOLFER Duggins, Larry. "Teed off." (March 1939) 58 — Golf game
- GRAFTEXT Welsh, Jack D. "Text for graphics." (May 1989) 20 - Add captions to pictures.
- GRAVGRID Grengs, Patrick D., II. "Warped animation." (October 1988) 102 - Create whirlpools and waves in an undulating grid. Correction, January 1989, p.41. GROCHART Crawford, Gay. "Knee-high to a
- growth chart." (February 1989) 89
- GUESSWHO Kenny, Keiran. "Guess who." (July 1988) 83
- HANOI O'Brien, Dan. "Towers of Hanoi." (February 1989) 90
- HEADSUP Riley, Russell, Jr. "Boggling your mind." (February 1989) 91
- mind." (February 1909) 51
  HECONOMY Francisco, Harleen. "Economy printer buffer, part 1 of 2." (June 1989) 100
  HIPMAS Burke, Val. "Have a jazzy Christmas."
- (December 1988) 28 Christmas music. HOTCOLD Pucella, Ric. "Hot stuff." (May 1989) 76
  ILLUSION Morin, Jean-Francois. "Now you see it, now you don't!" (June 1989) 48 — Optical illusions
- IMMORTALITY Alger, Paul. "Seeking immortality." (August 1988) 76 Find number of 'men' in a game.
- INTEREST Norris, Duke. "Lil' ole interest, revisited." (April 1989) 18 - Update of September 1984 article.
- INVITE; INVIFORM McCorkle, R. J. "Having a party?" (May 1989) 46 - Print invitations, flyers,
- ITALICS Francis, David. "Emphasize with the DMP 105." (August 1988) 53
- JOYZAP Lowry, James Kevin. "Minding your X's and Y's." (August 1988) 77
- KEYBOARD Plaster, Gip Wayne. "Play your piano." (December 1988) 93 - Music demo.
- KEYPOWER Sweet, Michael. "Get more power from your CoCo keyboard." (October 1988) 72 Add functions to various keys.
- KILLER Dater, Andrew. "The Hit list." (August 1988) 87 - Keep track of the body count in roleplaying games.
- LANDERGG; LANDER Donze, Jeff. "Lunar lander." (May 1989) 28
- LOADER Goff, Allen. "Showing off random graphics." (November 1988) 75 — Correction, January 1989, p.41.
- LOCKOUT Knapik, Steve. "Hacker, beware." (December 1988) 91 — Disk file protection. MACVIEW Elmer, Al. "Get the picture?" (July

- 1988) 93 Program enabling you to view MacPaint picture files on CoCo.
- MANDO Musumeci, John. "Now or never."
- (January 1989) 58 Music and graphics demo. MAPPER Blyn, Steve. "Education notes: You can't get there from here." (November 1988) 40 -Reading exercise.
- MATCH Scerbo, Fred B. "Wishing well: Opposite attraction." (September 1988) 92 -Concentration-like game.
- MATHDRILL Queen, William A., III. "Math drill." (May 1989) 76
- MATHSHOT Blyn, Steve. "Education notes: Shooting math." (June 1989) 76
- MEMORY Kenny, Keiran. "What's missing?" (August 1988)79
- ML-DATA Miller, Stephen. "ML-Data." (August 1988) 100 — Routine to convert machine language program into BASIC
- MLNOTES Nee, William P. "Machine language made BASIC part 9: Let there be music." (March
- MMDIR Miller, Merle. "Disks name miscl." (June
- MON03 Phillips, Charles F. "CoCo 3 green screen blues." (July 1988) 83 - CoCo 3 output to monochrome monitor.
- MORSE Barden, William, Jr. "Barden's buffer: Hamming it up." (January 1989) 145 — Ham radio discussion.
- MVShell; SigTestOne; SigTestTwo; SkipMuf Puckett, Dale L. "KISSable OS-9: Sending the right signals." (July 1988) 174
- NEWSCOST Blyn, Steve. "Education notes: Carrier's collection chart." (August 1988) 80 – Interpreting a newspaper delivery chart.

  NEWSREEL Kenny, Keiran. "News flash! News
- flash!" (December 1988) 92 Home news screen. Correction, Feb. 89, p.76.
- NOSCROLL Pucella, Ric. "Free zone." (November 1988) 74 — Protect area of screen from scrolling. NOTECARD Seats, Darrin. "Note card." (May 1989)78
- NUCOLORS; DEMO Cutchin, Rusty. "Breaking the four-color barrier." (October 1988) 51 many more than 4 colors in HSCREEN 4.
- OFFICE Clapper, David L. "Invoice innovation. (April 1989) 44 — Create professional-looking invoices and labels.
- ONE; TWO; THREE; FOUR McKernan, Chris.
  "Escape from Tut's tomb." (July 1988) 58— Arcade game written in machine language.
- OPOSITE1 Scerbo, Fred B. "Wishing Well: Matching opposites." (August 1988) 92 — Basic
- vocabulary for elementary students.

  OPOSITE2 Scerbo, Fred B. "Wishing well: Two for the price of one." (October 1988) 90 —
- Continuation of last months 'opposites' game.
  PAGER Nee, William P. "Machine language made
  BASIC part 4: Getting graphic." (October 1988) 48
- PAYASO Rodriguez, Ana M. "CoCo clowns around." (September 1988) 74 - Clown graphics.
- PENTPUZL Barden, William, Jr. "Barden's buffer:
- The puzzling pentomino." (December 1988) 164
  PETSTORY Blyn, Steve. "Education notes: Animal stories." (March 1989) 28 - Language arts
- program for elementary school children.
  PICTURES Scerbo, Fred B. "Wishing well:
  Growing up with CoCo." (November 1988) 146 Building on skills developed in earlier games.
- PIECHART Wolf, Eric. "Chart plotting made easy." (January 1989) 44 — Draw multi-color pie charts from self-entered data.
- POINTBAS; POINTBIN Nee, William P. "Machine language made BASIC part 5: Get the point." (November 1988)80 PONGBIN; PONGBAS Barden, William, Jr.
- "Barden's buffer: Assembly language for the complete novice part 2." (October 1988) 132
- PORTRAIT Tatarka, James A. "A tribute to the CoCo2." (June 1989) 22 PRESDENT Miller, Ralph D. "Washington, Adams, Jefferson...." (November 1988) 102 -
- Presidential drill. PRNTLINE; LINETABL; ANALYZE Barden, William, Jr. "Barden's buffer: Can you survive this column." (August 1988) 170 - Assembly

- language interrupts and BASIC internals.
- Correction, October 1988, p.84. PROG1; PROG2; PROG3; PROG4 Dowd, Kevin. "The little graphics library." (August 1988) 102
- PROS1; PROS2; SCRN1; SCRN2; MAKEPROS Chapel, Lee J. "For the love of gold." (December 1988) 58 — Adventure game. — Correction, April 1989, p.48.
- PSYCHIC Halbrook, Travis. "May the force be with youT' (July 1988)85
- PSYCHO Abraham, Alex. "Psychedelia." (January
- PULSÉEAT Maxwell, Wilmer B. "Looking for a heartbeat." (July 1988) 84 — Estimate pulse rate.
- PUZZLE1; PUZZLE2, etc. Barden, William, Jr. 'Barden's buffer: Perplexing puzzles." (June
- 1989) 140 'Perplexing puzzles to ponder.' Pr Ries, Richard. "PR.B09." (June 1989) 136 Print utility for OS-9.
- QLATOR Scerbo, Fred B. "Wishing well: From keyboard to keypad." (March 1989) 84 -Simulate a numeric keypad.
- RAMDISK; COPY Jimenez, Daniel. "Program a RAM disk." (January 1989) 110 - Correction, April 1989, p.48.
- REACTION Kenny, Keiran. "Left beats right." (June 1989)89
- REFERNCE Blyn, Steve. "Education notes: Locating the topic." (September 1988) 136 — Cross refernce drill.
- REMOTE3; BASLOAD; REMDEMO Alger, Paul. "A REMOTE update." (November 1988) 110 – Update to BBS system.
- RGBDEMO Jenkins, Dave. "An RGB
- demonstration." (January 1989) 65 RINGBELL Bernico, Bill. "We have a winner!" (January 1989) 87 Results from July's programming contest.

  ROMANMRL Weaver, Dan; and Weaver, John.
- When in Rome." (September 1988) 71 Learn Roman numerals.
- ROOMMATE Turner, David. "Bills, bills, bills!" (October 1988) 14 Program to help roommates organize expenses
- ROTATE3D; DRIVER; ALTOROTAT Nee, William P. "Machine language made BASIC part 11: 3-D without glasses." (May 1989)82 SCRLDEMO; FASTSCRL Mitchel, Barry J. "All the
- right moves." (December 1988) 116 -
- Correction, April 1989, p.48. Faster graphics. SCRNLIST Bernico, Bill. "ML addresses." (July
- SCRNSAVE Jones, Paul E. "Save that screen."
  (December 1988) 108 Clears monitor screen to black if no key pressed.
- SEATCHRT Turowski, Donald A. "A seat for everyone and everyone in his seat." (September 1988) 45 — Seating chart for classroom.
- SEAWAR Hameluck, Jeff. "Sea War." (August 1988) 20
- SELECTON; BUBBLE; SHELL; QUIKSORT Barden, William, Jr. "Barden's buffer: Sorting it all out." (November 1988) 160 Describes how to make computer sort items.
- SEPARATE; RITEREAD; TIMER; CREATE; ADDRECRD Perlman, Richard. "Designing your own money management system." (March 1989)
- SHIFTS Nee, William P. "Machine language made BASIC part 8: And more math." (February 1989)
- SIMON Massie, Warren. "CoCo says..." (February 1989) 89
- SIMPLDRA Day, Darren. "Simple draw." (June 1989) 93
- SINGCARD Kastack, Rebecca. "The singing card." (December 1988) 112 - Send a musical holiday greeting.
- SLOTCORE Bernico, Bill. "BASICally speaking." (March 1989) 130 - Game hint; BASIC tutorial,
- SLOTS Carlin, Kenneth. "Taking on the onearmed bandit." (October 1988) 88
- SNDCTRL Hegberg, Joel. "Sound control." (June
- SOLTÁIR3 Quellhorst, George. "Solitaire, the next generation." (December 1988) 36 color to solitaire on the CoCo3.'
- SORTBAS; SORTBIN Nee, William P. "Machine

- language made BASIC part 1: General Math."
- (July 1988) 100 SOUNDOFF Hufford, Wayne. "The timer." (May 1989) 75 — Timekeeper for games.
- SPELLER; ROMRAM; SETHELP; TAKETEST Johnson, Samuel D. "EduSpell." (December 1988) 42 — First in a series developing a talking,
- spelling tutor.

  SPOOK Moos, Patricia. "Fright night." (October 1988) 86 Pumpkin graphic.

  SPOOLBAS Genois, Marc. "CoCo3 printer
- spooler." (May 1989) 86
- STARVIEW Hill, Kenneth R. "An uncommon view."
- (April 1989) 81 Graphics demo STATES Cooper, Rick. "States and capitals." (September 1988) 60
- SŤOĆKS3; STOCKS2 Webb, Mark. "Playing the stock market." (November 1988) 45
- STORM Bryson, B. J. "The storm." (June 1989) 59 SUBDEMO; REALMENU; MARBLE1; MARBLE2 Perlman, Richard. "The do-it-yourself database: Subroutines and program code." (February 1989) 36 — First in a series of tutorials
- SUPRSTMP; STMPDEMO Spiller, Jeremy. "Super stamper: The elastic rubber graphics stamp. (October 1988) 28 — Two new graphics
- commands for PMODE image manipulation.
  SetDate Ries, Richard. "What day is it?" (February 1989) 142 — Utility to change format of date. TACHISTO Blyn, Steve. "Education notes: The
- blink of an eye." (February 1989) 105 Increase students' memorization abilities
- TAFFYBAL Babich, Tio. "Like pulling taffy." (January 1989) 60 — Graphics demo. TAPCNV; BASFIX Hutchison, Don. "Working
- together: Delphi and tape I/O." (August 1988) 156 — Two utilities to help download programs using Modem Pak.
- TELE-DIR Rochford, Tom. "Who you gonna call?"
- (January 1989) 64 TIMECARD Scerbo, Fred B. "Wishing Well: How much time?" (April 1989) 89 — Calculate differences in time.
- TOADER Dunn, Christopher. "It's a toad's life."
- (February 1989) A3 TRAKSAT; ECHO.SOURCE; MAKE.ECHO Puckett, Dale L. "KISSable OS-9: Moving to OS-9." (March 1989) 136
- TREEPUZZ Mooré, Mike. "The Christmas tree puzzle." (December 1988) 20 - 'Can you plant the royal Christmas trees as the king desires?'
- TURKISH Cooper, Rick. "Setting for one." (December 1988) 90
- USEDCARS Johnson, Richard. "Stalking the used car." (September 1988) 16 — Used car shopping quide.
- VIDTIME Hair, Fred, Jr. "On VCR time." (September 1988) 122 Calculating time intervals for VCR tape.
- WEEKDAYS Scerbo, Fred B. "Wishing well: Just
- say goodnight Grade." (June 1989) 87 WHENRAIN Cooper, Rick. "Today's forecast." (April 1989) 82 Graphics demo
- (April 1909) 82 Graphics demo
  WILDBIN Estrado, Richard. "Selective directory
  listings using wildcards." (June 1989) 122
  WILFLOAT Abell, James. "Does Archimedes'
  discovery hold water?" (March 1989) 82
  WORDCNT Kastack, Rebecca. "Counting the
- words." (January 1989) 62 WORDMAKE Bleckley, Logan, III. "Wordmake."
- (June 1989)91 WORLD Bernico, Bill. "Buy a CoCo and see the
- world." (September 1988) 70 Map of the
- WORMDRVR; WORMSMPL Barden, William, Jr. "Barden's Buffer: Food for worms." (February
- WRITE36 Bates, Larry E. "Write III plus." (July 1988) 96 - Add embedded printer commands to Write III (April 87, p.156).
- XMRECV.ASM; XMSEND.ASM; XMRECV.SYS; XMRECPK.BAS, etc. Grubb, Robert John.
  "CoBBS Xmodem routines." (November 1988) 88
- Xcodes.CC3 Puckett, Dale L. "KISSable OS-9: Better tools are here!" (December 1988) 178 YULELOG Davies, Peter E. "Holidays at the
  - hearth." (December 1988) 89 ZHAGWHAR Schuler, Keith. "Castle Zhagwhar." (June 1989) 41 /R\

# The Ninth Year of Rainbow

An index to the articles. programs, reviews and authors appearing in THE **RAINBOW from July 1989** through June 1990.

# Compiled by Kelly Goff

This is the seventh index to THE RAINBOW. Previous indices appear each July starting with the July 1984 issue. The breakdown of articles appearing over the past year is shown below:

Topic	No.	of Article
Business		6
Commun	ications	12
Editorial	Comment	18
Education	ı	24
Games		18
General		10
Graphics		17
Hardware	2	22
Home Ap	plications	12
Music	•	3
Novices 1	Niche	59
OS-9		32
Programm	ning	13
Question	& Answer	17
Reviews		110
Tutorial		8
Utility		10

Complete your library! For more information on how to get back issues with your favorite programs and articles, refer to Page 42 of this issue Of THE RAINBOW.

#### **BUSINESS**

Brunotte, Benjamin. "Another Form"; CoCo3; April 1990, p.64. Create custom forms. FORMAKER.

Fouts, Gordon E. "The Price is Right"; CoCo3; April 1990, p.116.

An aid for finding mark-up/down percentages. MARKUP. Macias, David. "Predicting Profits"; CoCo3; April 1990, p.44. Perform break-even analysis. COST.PAS.

Messer, Shane. "The Golden Retriever"; CoCo3; April 1990, p.24. Roll your own database program. COLRBASE. Stephens, Bryan. "Show the Facts"; CoCo3; April 1990, p.67. 3-D bar-graph program. 3DGRAPH.

Stuart, John. "The Total Figure"; CoCo1/CoCo2/CoCo3; February 1990, p.26. A full-featured spreadsheet. COCOCALC

#### COMMUNICATIONS

Ford, Steven. "CoCo and Amateur Radio"; November 1989, p.44.

Discussion of ham radio as a hobby.
Ford, Steven. "Plug Into Packet"; February 1990, p.22. Explora-

tion of packet radio. Hutchison, Don. "Delphi Bureau"; July 1989, p.87. GameTerm

and other shareware terminal programs.

Hutchison, Don. "Delphi Bureau"; September 1989, p.42. "New Horizons'

Hutchison, Don. "Delphi Bureau"; October 1989, p.54. "Token-

ized BASIC".

Hutchison, Don. "Delphi Bureau"; November 1989, p.36. "KEY-SUB and WEFAX and Guide - Oh, My!".

Hutchison, Don. "Delphi Bureau"; December 1989, p.35. "The

World's First". Koonce, Tim. "Observing the Social Graces"; November 1989,

p.72. Introduction to file-transfer protocols. Kuns, Eddie. "Database Report"; April 1990, p.62. "Name That Tune With UltiMusE"

Kuns, Eddie. "Database Report"; June 1990, p.92. "OS-9 Uploads Growing"

Law, Greg. "Database Report"; March 1990, p.72. "New Uploads" Onley, Ray. "An Old Code in a New Mode"; CoCo1/CoCo2/ CoCo3; November 1989, p.12. Morse code training program for CoCo. CODEMSTR.

#### **EDITORIAL COMMENT**

Augsburg, Cray. "Wrapping The Rainbow"; October 1989, p.14.

Augsburg, Cray. "Wrapping The Rainbow"; October 1989, p.14.
"An Electronic Evolution".
Augsburg, Cray. "Wrapping The Rainbow"; November 1989, p.123. "Join the Chorus!".
Augsburg, Cray. "Wrapping The Rainbow"; December 1989, p. 124. "OS-9: Room for Growth".
Augsburg, Cray. "Wrapping The Rainbow"; January 1990, p.124.
"From Reader to Writer".
Augsburg, Cray. "Wrapping The Rainbow"; February 1990, p.10.
"The Show Must Go On".
Augsburg, Cray. "Wrapping The Rainbow"; March 1990, p.124.
"What's in Store?".

"What's in Store?".

Augsburg, Cray. "Wrapping The Rainbow"; April 1990, p.124. "How Many Colors in a Rainbow?".

Augsburg, Cray. "Wrapping The Rainbow"; May 1990, p. 124.

"Rainbow Illusions".
Falk, Lonnie. "Print#-2"; July 1989, p.12. "Fun at the 'Fest".
Falk, Lonnie. "Print#-2"; August 1989, p.10. "Eight Years Strong".
Falk, Lonnie. "Print#-2"; September 1989, p.10. "A New Site for RAINBOWfest".

Falk, Lonnie. "Print#-2"; October 1989, p.10. "A Transition at The

Falk, Lonnie. "Print#-2"; November 1989, p.10. "Spread the Falk, Lonnie. "Print#-2"; December 1989, p.10. "Canadian Future

Falk, Lonnie. "Print#-2"; January 1990, p.10. "History in the

Hak, Lonnie. "Print#-2"; March 1990, p.10. "New Life for CoCo". Falk, Lonnie. "Print#-2"; April 1990, p.10. "A Helping Hand". Falk, Lonnie. "Print#-2"; April 1990, p.10. "Spring Forward, Look

#### **EDUCATION**

Blvn. Steve. "Education Notes": CoCo1/CoCo2/CoCo3: August 1989, p.64. "Building Reading Skills". FOLLOW.
Blyn, Steve. "Education Notes"; CoCo1/CoCo2/CoCo3; Septem-

Blyn, Steve. "Education Notes"; CoCo1/CoCo2/CoCo3; September 1989, p.54. "Learning About Ratios". RATIOS.

Blyn, Steve. "Education Notes"; CoCo1/CoCo2/CoCo3; October 1989, p.52. "Cracking Codes". CODEWORD.

Blyn, Steve. "Education Notes"; CoCo1/CoCo2/CoCo3; November 1989, p.24. "Probability". PROBABLE.

Blyn, Steve. "Education Notes"; CoCo1/CoCo2/CoCo3; December 1989, p.24. "Probability". PROBABLE.

ber 1989, p.32. "To Rhyme or Not to Rhyme". POETRY.

Blyn, Steve. "Education Notes"; CoCo1/CoCo2/CoCo3; February 1990, p.94. "One-On-One Math Drills". BASKET.

Blyn, Steve. "Education Notes"; CoCo1/CoCo2/CoCo3; March

1990, p.112. "Toronto, Ontario for a Basket". BASKETBL. Blyn, Steve. "Education Notes"; CoCo1/CoCo2/CoCo3; April

yn, oteve. Ledward W. Wowells. 1990, p.85. "a.e.i,o,u". VOWELS. lyn, Steve. "Education Notes"; CoCo1/CoCo2/CoCo3; May 1990, p.88. "Cooking With Metric Measures". METRIC.

Blyn, Steve. "Education Notes"; CoCo1/CoCo2/CoCo3; June 1990, p.18. "Integers in Order". CONSEC.
Collicott, John. "Bookworm"; CoCo1/CoCo2/CoCo3; September 1989, p.32. Helps develop problem-solving skills in math. BOOKWORM.

Crooks, Mary, "Time Test": CoCo1/CoCo2/CoCo3; August 1989. p.56. Timed drills in multiplication and division. TIMETEST. Falge, Linda. "KinderFun"; CoCo1/CoCo2/CoCo3; September

1989, p.84. Children's program to learn colors, letters, numbers, music. KINDRFUN.

Giles, Douglas. "Super Quiz"; CoCo1/CoCo2/CoCo3; October 1989, p.40. Helps develop memorization skills. SUPRQUIZ. Johnson, Samuel. "EduSpell, Part II:The Dictionary"; CoCo1/ CoCo2/CoCo3; July 1989, p.50. Part II in the development of

a talking spelling tutor. MAINMENU.

Scerbo, Fred. "Wishing Well"; CoCo1/CoCo2/CoCo3; July 1989,

p.91. "Getting the Whole Picture on Fractions". FRACTION.
Scerbo, Fred. "Wishing Well"; CoCo1/CoCo2/CoCo3; September 1989, p.66. "CoCo Teaches Kids to Just Say No".
NODRUGS.

Scerbo, Fred. "Wishing Well"; CoCo1/CoCo2/CoCo3; December 1989, p.60. "Learning Letters". UPLOCASE.

Scerbo, Fred. "Wishing Well"; CoCo1/CoCo2/CoCo3; January 1990, p.42. "Learn to Give and Take". DRILLER3.

1990, p.42. "Learn to Give and Take". DRILLER3. Scerbo, Fred. "Wishing Well"; CoCo1/CoCo2/CoCo3; February 1990, p.62. "Music Class 101". MUSIC101. Scerbo, Fred. "Wishing Well"; CoCo1/CoCo2/CoCo3; March 1990, p.12. "Right on Time". WATCH. Scerbo, Fred. "Wishing Well"; CoCo1/CoCo2/CoCo3; April 1990, p.118. "It Strikes a Chord". MUSIC102. Scerbo, Fred. "Wishing Well"; CoCo1/CoCo2/CoCo3; May 1990, p.36. "A Real Clef Hanger". MUSIC103. Scerbo, Fred. "Wishing Well"; CoCo1/CoCo2/CoCo3; June 1990, p.22. "Learning Letter Sequence". BETWEEN.

#### **GAMES**

Bradbury, Nick. "Icarus in Search of Wings"; CoCo3; April 1990, p.12. Do an arcade penguin dance. PENGUIN. Bradbury, Nick. "One Tile at a Time"; CoCo3; January 1990, p.72.

Fast action tile game. FRUSTRAT.
Britton, Steve. "Samurai"; CoCo1/CoCo2/CoCo3; March 1990,

p.114. Oriental battle-type game. SAMURAI.
Campbell, Marc. "The Checkers Champ"; CoCo3; November 1989, p.82. Computerized checker game. CHECKERS.
Coty, Curt. "Shopping Spree"; CoCo3; July 1989, p.34. Action

game - player goes shopping in a department store. SPREE. Cuadra, Hector. "What Goes Up . . . ."; CoCo1/CoCo2/CoCo3; January 1990, p.112. Physics game. GRAVITY. George, Thomas. "The Tholean Web"; CoCo1/CoCo2/CoCo3; July 1989, p.42. Maze game where player must neutralize a

force field. WEBBAS.

Hegberg, Joel. "A Mazing Adventure"; CoCo1/CoCo2/CoCo3;
December 1989, p.46. Maze Adventure, quest for evil dragon. THEQUEST.

Messer, Shane. "CoCo Jumble"; CoCo1/CoCo2/CoCo3; June 1990, p.50. A scrambled-word game for two players. JUMBLE2. Mosley, John. "Vegas at Your Fingertips"; CoCo3; June 1990, p.12. A slot machine for the CoCo 3. SLOTS.

Ostrom, Steve. "A Newfangled Maze"; CoCo1/CoCo2/CoCo3; February 1990, p.50. A maze that uses numbers for directional

clues. MAZEWAY. Quellhorst, George. "Peg Mel"; CoCo3; December 1989, p.26.

CoCo version of Hi-Q. COCO-Q.
Scerbo, Fred. "Wishing Well"; CoCo1/CoCo2/CoCo3; October 1989, p.48. "Meteor Storm 3". METEOR3.
Scerbo, Fred. "Wishing Well"; CoCo1/CoCo2/CoCo3; November 1989, p.48. "Meteor Storm 3". METEOR3.

1989, p.54. Machine Language Tricks from a BASIC Game: Star Siege II. SIEGE2.

Veal, Evan. "The Black Box"; CoCo1/CoCo2/CoCo3; August

1989, p.26. Computer hides five balls in a box and you must find them. BLACKBOX. Webb, Mark. "The Guessing Game"; CoCo3; May 1990, p.50. A

one-player game of choosing colors. MINDSTIM.
Wolf, Eric. "Where's the Matching Box?"; CoCo3; February 1990,
p.88. A two-player game of concentration. CCTRATE.

Wolf, Eric. "Worm Invaders from Space"; CoCo3; March 1990, p.18. An arcade-action game. WORMINVD.

# **GENERAL**

Foster, Leslie. "The Eighth Year of Rainbow"; July 1989, p.147. Index - July 1988 to June1989. Goodell, Kirk. "Patchwork on the CoCo 3"; CoCo3; November

1989, p.26. Patch disk programs. BLASTER. Murphy, Stephen. "The Price of Wisdom"; February 1990, p.14.

A humorous admonishment to use your manual.

Parker, Jeffrey. "RAINBOWfest Reporter"; September 1989,

p.73. Chicago 1989 'fest report...

Parker, Jeffrey. "RAINBOWfest Reporter"; March 1990, p.34.

Somerset 1989 'fest report. Ries, Richard. "Printing the Unprintable"; CoCo1/CoCo2/CoCo3; December 1989, p.121. A filter program for odd characters.

Staff. "Anniversary Special: One-Liner Insert"; CoCo1/CoCo2/CoCo3; July 1989, p. 131. A collection of one-liners.

Staff. "Did You Hear the One About Hints & Tips?"; January 1990,

p.60. Hints, tips and one-liners. Staff. "Reader Survey"; November 1989, p.124. General survey of CoCo readers' use and opinions.. Staff. "The Heat is On!"; July 1989, p.26. A midyear buyers quide

to new games and game hardware

#### **GRAPHICS**

Barden, William, "Barden's Buffer": November 1989, p.64, "Put on Your 3-D Glasses"

Bennett, Jim. "Tricky Graphics"; CoCo3; October 1989, p.20. Neat trick for programming graphics on CoCo 3.. CARRIER. Bernico, Bill. "The CoCo Coloring Book"; CoCo3; September 1989, p.12. Coloring pictures with the computer. COLRBOOK.

Curtis, Allen. "High-Capacity Screen Dumps"; CoCo3; August 1989, p.38. High-density printer enhancements for desktop publisher, DRIVERHT.

Curtis, Allen. "High-Capacity Screen Dumps"; CoCo3; October 1989, p.63. How to save and load a half-screen. DHPATCH. Golias, Ruth. "He's Just a Snowman"; CoCo3; December 1989,

p.20. Sing along with Frosty. FROSTY. rant, Ron. "The Schematic Scoundrel, Revisited"; CoCo1/ Grant, Ron. "The Schematic Scoundrel, Revisited"; CoCo1/CoCo2/CoCo3; July 1989, p.101. Adding symbol rotation for more flexibility. COCOCAD.

Messer, Shane. "Improving the Scheme of Screens"; CoCo3; January 1990, p.82. Create icons for your programs. DE-SIGNER.

Mosely, John. "Winter Magic"; CoCo3; December 1989, p.12. A

program for producing snow onscreen. SNOW.
ee, William. "The Graphics Corner"; CoCo1/CoCo2/CoCo3;
August 1989, p.36. Three ways to create color graphics on the CoCo. CLRDEMO.

Nee, William. "The Graphics Corner, Part II"; CoCo1/CoCo2/

CoCo3; September 1989, p.48. PSETing numbers using coordinates. SCRLDEMO.

using coordinates. SCRLDEMO.

Nee, William. "The Graphics Corner, Part III"; CoCo1/CoCo2/
CoCo3; October 1989, p.78. A two-dimensional array that helps generate new values. NEIGHBR1.

Ostrom, Steve. "A Perfect Star"; CoCo1/CoCo2/CoCo3; March

1990, p.92. Lesson in trigonometry and CoCographics. TRIG1. Spiller, Jeremy & Spiller, Marty. "The Mandelbrot Bug and CoCo 3 Microscope"; CoCo3; January 1990, p.76. A geometric look at chaos. MANDEL

Stanwood, Ron. "Color Your CoCo World"; CoCo3; July 1989, p.66. Utility to transfer PMODE 3 & 4 screens to CoCo 3

HSCREEN'S. MULTIRES. Tinklepaugh, Dale. "Draw it Quickl"; CoCo1/CoCo2/CoCo3; August 1989, p.24. Draws in High-Res, creates file of BASIC Statements. QUIKDRAW.

Vandall, Michael. "Graphics in a Hurry"; CoCo3; October 1989, p.26. Converts artwork on graphics screen into BASIC code. GRAPHPRO

# **HARDWARE**

Barden, William. "Barden's Buffer"; September 1989, p.102. "Loose Ends and CoCo Outputs".

Barden, William. "Barden's Buffer"; CoCo3; February 1990, p.42.

Barden, William. Barden's Buffer'; CoCo3; February 1990, p.42. "High Hopes for the Hi-Res". READHI.

Barden, William. "Barden's Buffer"; CoCo3; March 1990, p.40. "A CoCo Dual-Trace Oscilloscope". SCOPE.

Bodnar, David. "Exposing the CoCo to Photography"; CoCo1/CoCo2/CoCo3; February 1990, p.96. Use the CoCo for timing applications in the darkroom. DARKROOM.

Brunotte, Benjamin. "Custom Built Desk for the CoCo"; December 1989, p.67. A real nail and hammer project.

Distefano, Tony. "Turn of the Screw"; July 1989, p.98. "Dynamic Random Access Memory Explained".

Distefano, Tony. "Turn of the Screw"; September 1989, p.56. "Building a RAM Disk".

Distefano, Tony. "Turn of the Screw"; October 1989, p.86. "Building a RAM Disk".

Distefano, Tony. "Turn of the Screw"; CoCo1/CoCo2/CoCo3; December 1989, p.64. "RAM Disk, Part III". GENTEST.

Distefano, Tony. "Turn of the Screw"; January 1990, p.40. "Disk Track Track"

Track Tracer Distefano. Tony. "Turn of the Screw": February 1990. p.18. "A

Digital Lesson" Distefano, Tony. "Turn of the Screw"; March 1990, p.56. "A Digital

Lesson, Part 2".

Distefano, Tony. "Turn of the Screw"; April 1990, p.110. "Digital

Lesson, Part 3". Distefano, Tony. "Turn of the Screw"; May 1990, p.54. "Tools of

Distefano, Tony. "Turn of the Screw"; June 1990, p.80. "Clearing

Francisco, Harleen, "The Economy Printer Buffer, Part II": July

1989, p.72. Build and troubleshootthe printer buffer. Goodman, Marty. "Adding a Disk Drive to Your CoCo Pt. 2"; April

1990, p.92. Adding disk drives to the CoCo.

Goodman, Marty. "Disk Drives and the Color Computer"; March

Goodman, Marty. Disk Drives and the Color Computer; March 1990, p.22. Adding a floppy disk to the CoCo.
Goodman, Marty. "The OS-9 "CART Interrupt Fix"; CoCo3; November 1989, p.50. Multi-Pak and CoCo 3 fixes. lacovou, Neophytos. "A Special Switch"; May 1990, p.43. Four

projects using the 4PDT switch.
Weide, Dennis. "A CoCo Digital Logic Analyzer, Part 1"; CoCo1 /

CoCo2/CoCo3; March 1990, p.26. Hardware project for circuit construction and debugging. TESTIF.

Weide, Dennis. "Completing the Analyzer Project"; CoCo1/CoCo2/CoCo3; April 1990, p.72. Tool for testing low-speed logic circuits. ANALYZER.

#### HOME APPLICATIONS

Francis, David, "Moon Mapper": CoCo3; March 1990, p.82, Helps you track the planet-size moons of Jupiter. GALISAT3.

Hinton, Ron. "Best Medicine for Disorderly Med. Bills"; CoCo3; February 1990, p.116. Keep the financial side of your medical history in order, MEDIC3.

Kenny, Keiran. "Booklet, Revisited"; CoCo1/CoCo2/CoCo3; May 1990, p.40. Mods to allow for bigger booklets. PATBOOK. LeBlanc, Dave. "Personal Secretary"; CoCo1/CoCo2/CoCo3;

December 1989, p.56. A personalized notepad for easy organization. COCOMEMO.

Macias, David. "Mapping Your Finances"; CoCo3; November 1989, p.20. Calculates annual interest rates in percentage form, etc. AMORTIZE.

Minze, Bill. "Reckoning With the CoCo"; CoCo1/CoCo2/CoCo3;

April 1990, p.20. Printing calculator program. CALCULAT. Reichert, Kevin. "Captivating Captions"; CoCo3; November 1989, p.58. Makes labels for photos. CAPTION.

p.58. Makes labels for photos. CAPTION.
Scerbo, Fred. "Wishing Well"; CoCCo1/CoCo2/CoCo3; August 1989, p.104. "More Time Applications". REALTIME.
Shaulis, Jerry. "Bank & Budget"; CoCo1/CoCo2/CoCo3; February 1990, p.74. Helps maintain your checkbook. CHECK1.

Thomas, Scott. "Innovation Along the Border"; CoCo1/CoCo2/CoCo3; January 1990, p.106. Creates border along stationery. STATION.

Turner, Robert Allen. "CoCoTyper"; CoCo1/CoCo2/CoCo3; May 1990, p.58. Turn CoCo into a typewriter for those short r COLRTYPE

Wulfsberg, Bruce. "From Fractures to Fractions"; CoCo1/CoCo2/ CoCo3; February 1990, p.12. Program that reduces fractions to their lowest form. FRACTION.

#### MUSIC

Bernico, Bill. "Guitar 3"; CoCo3; February 1990, p.112. Displays guitar chords on the CoCo 3 graphics screen. GUITARS. Budenholzer, William. "Nickelodeon"; CoCo1/CoCo2/CoCo3; August 1989, p.84. Song editor/player. NICKEL-D. Parker, Jeffrey. "Play It Again, CoCo"; December 1989, p.74. A close look at MIDI.

# **NOVICES NICHE**

Aftamonow, Ellen. "Tax and Tip"; CoCo1/CoCo2/CoCo3; July 1989, p.105. Helps you divvy up restaurant bills. TAXTIP. Arko, Lyn. "Doggone"; CoCo1/CoCo2/CoCo3; July 1989, p. 108.

Draws a graphics image of a dog. DOGGONE. abich, Tio. "Draw Figures Using Asterisks"; CoCo1/CoCo2/CoCo3; November 1989, p.39. Draw figures using asterisks. FIGDRW.

Babich, Tio. "Slope and Funnel"; CoCo3; July 1989, p.108. Draws a slope and funnel on the CoCo 3 640x192 screen. SLOPEFNL Benny, Patrick. "On The Run": CoCo1/CoCo2/CoCo3; July 1989. p. 106. Create smooth animation sequences. LION.

Bernico, Bill. "Box Menu": CoCo1/CoCo2/CoCo3: January 1990. p.32. Spices up menu screen and makes item selection inter estina. BOXMENU.

Bernico, Bill. "Songwriter's Helper"; CoCo3; September 1989, p.60. Plays various musical patterns. SONGRITR.

p.60. Plays various miscial patients. SONGRTM.
Bernico, Bill. "Sound-to-Play": CoCo1/CoCo2/CoCo3; August 1989, p.110. Matches up PLAY command note values for SOUND command. PLAYCONV.
Bernico, Bill. "This Is Your Big Debut"; CoCo3; February 1990, p.35. Title screen with moving lights. MARQUEE3.
Boughton, Ralph. "Star Defender"; CoCo3; September 1989, 241. Start Jeducapara, p. 188.

p.61. Shoot down enemy ships before your bases are hit. STARDEF.

Cheves, Warren. "Car Bingo Game"; CoCo1/CoCo2/CoCo3; November 1989, p.42. Prints index cards with two-character November 1989, p.42. Prints state abbreviations. BINGO.

Christensen, Glenn. "Attributes"; CoCo3; March 1990, p.60. Adds

color to your screen. ATTR. arren Day. "The Change Counter"; CoCo1/CoCo2/CoCo3; Darren Day. "The Change Counter"; CoCo1/CoCo2/CoCo3; September 1989, p.64. Counts change. Enter Q for quarter, D

for dime, etc. CHANGE.

Driessen, David. "Want a Personalized Phone Number?"; CoCo1 / CoCo2/CoCo3; August 1989, p.108. Takes phone number and spells out all letter combinations. FONEFIND

Driscoll, Chris. "Escape"; CoCo1/CoCo2/CoCo3; February 1990, p.37. Try to escape from this twenty-level castle. ESCAPE. Ehrenberg, R.M. "Categories"; CoCo1/CoCo2/CoCo3; March 1990, p.62. An alternative to Trivial Pursuit or Monopoly. CATS.

Flinn, William. "Solving Quadratic Equations"; CoCo1/CoCo2/ CoCo3; June 1990, p.49. Help in finding roots of quadratic equations. QUADRATC. Forster, Jim. "Moonscape"; CoCo3; January 1990, p.32. Forms

moon in sky. MOON.
Friedrich, John. "Story Writer"; CoCo1/CoCo2/CoCo3; July 1989, p. 104. A game that challenges writing creativity. STORYWRT. Friesen, Geoff. "Superpoke"; CoCo3; June 1990, p.48. Allows

multiple-byte pokes. SUPRPOKE. arcia, Carlos. "Searching for a Rainbow"; CoCo3; January Garcia, Carlos.

1990, p.36. Animates a rainbow and waterfall. RAINBOW. Hall, Greg. "Let CoCo Calculate HBUFF": CoCo3; February 1990,

p.36. A fast simple way to calculate HBUFF, HBUFF, Haveman, Evan. "Computer Aided Design"; CoCo3; October 1989, p.59. Demonstrates computer aided design at minimal level. MINICAD.

Hobson, Jon. "Marynote": CoCo1/CoCo2/CoCo3: October 1989. p.58. Plays songs and displays notes one at a time. MARYNOTE.

p.bb. Plays sorigs and displays holes one at a linie. MAKTNOTE. Jacob, David. "Let's Make a List"; CoCo3; February 1990, p.38. Create a database for your books. LISTER. Jones, Leroy. "Innkeeper"; CoCo1/CoCo2/CoCo3; March 1990, p.62. Catch falling drinks with trays. INNKEEP. Kastack, Rebecca. "What Day?"; CoCo1/CoCo2/CoCo3; January 1990, p.30. Calendar for finding day of week of birthdays. WHATDAY

Kenny, Keiran. "What Is on the Agenda for Today?"; CoCo1/ CoCo2/CoCo3; April 1990, p.49. Home help, scratchpad.

Ketchel Kyle "TheTime Sheet": CoCo1/CoCo2/CoCo3: October

1989, p.62. For employers. TIMESHT.
Kraft, Michael. "As the World Turns"; CoCo1/CoCo2/CoCo3; August 1989, p.106. Draws eight graphics screens and produces animation, WORLD1.

Kuntz, Steven. "The CoCo Signal"; CoCo3; March 1990, p.61. A signal for programming problems or hardware glitches. HCAT. Mabry, George. "Lowercase and Colors Too"; CoCo3; March 1990, p.60. Adjusts the colors and actuates a true lowercase text screen. LOCASE.

McNeill, James. "Shopper Ease"; CoCo1/CoCo2/CoCo3; Sep-

tember 1989, p.62. A form for shopping lists. GROLIST.

Medlock, William. "Disk Copy Utility"; CoCo1/CoCo2/CoCo3;
January 1990, p.31. Copies files from one disk to another. COPY

Mills, Robert, "Letters & Numbers"; CoCo3; June 1990, p.48. Helps voungsters learn to recognize letters and numbers. LETRSNUM

Mosley, John. "3-D Grapher"; CoCo3; August 1989, p.107. Graph-

ics using three-variable equations. GRAPH.

Mosley, John. "Kaleidoscope"; CoCo3; September 1989, p.63.

Computer display of multicolor symmetric patterns. SCOPE.

Needham, Andre. "But it's Not Winter Yet"; CoCo1/CoCo2/
CoCo3; August 1989, p. 107. Creates a snowflake. SNOFLAKE.

Needham, Andre. "Fun With Fractals"; CoCo3; October 1989,

p.60. Mathematically generated images. FRACTMTN.

Olmstead, Paul L. "Title Screen Splashdown"; CoCo1/CoCo2/
CoCo3; April 1990, p.51. Animation utility. FALLING.

Pendall, Joseph. "And Along Came a Spider"; CoCo3; April 1990,

p.48. Graphics program. SPIDERS.
Pendall, Joseph. "Quickgrass"; CoCo1/CoCo2/CoCo3; January 1990, p.38. Game of cutting grass before it grows too long.

Pendall, Joseph. "Spray Can"; CoCo1/CoCo2/CoCo3; October 1989, p.60. Graphics program that draws a pattern using joystick button. SPRAYCAN.

Phansavath, Hinh. "Running BASIC Programs Can Be a Breeze"; CoCo1/CoCo2/CoCo3; February 1990, p.36. Run BASIC programs with one keystroke. MCP.

Pollock, Grahame. "Up-Down LIST"; CoCo1/CoCo2/CoCo3; July 1989, p.106. Utility to allow scrolling through LLISTings. UPDNLIST.

Porter, John. "Mortgage"; CoCo1/CoCo2/CoCo3; March 1990, p.63. Mortgage calculation program. MORTGAGE.
Pucella, Ric. "Hi-Res Graphics"; CoCo3; November 1989, p.41.
Utility to save HSCREENs. HRGCOM.

Rodriguez, Alejandro. "No Smoking!"; CoCo3; November 1989, p.40. Graphics animation of No Smoking sign. NOSMOKE.

Rumpel, Kathy. "Balancing the Budget"; CoCo1/CoCo2/CoCo3; February 1990, p.40. Print a journal for your accounting needs. JOURNAL

Rumpel, Kathy. "Steady Aim Fire"; CoCo3; April 1990, p.50. Shoot-em-up game. BIRD.
Seats, Darrin. "The Memo Maker"; CoCo1/CoCo2/CoCo3; Janu-

ary 1990, p.37. Put notes on disk. MEMOMAKE.
Severs, Roger. "Keeping a Tab on Your Tap"; CoCo1/CoCo2/
CoCo3; April 1990, p.48. Figuring water bills. WATER.
Speight, Kevin. "Mind Master"; CoCo3; September 1989, p.62.

Selects a four-digit code for you to break, MINDMSTR

Stakelin, James. "The Base Converter"; CoCo1/CoCo2/CoCo3; January 1990, p.34. Converts number bases quickly and easily. CONVERT.

Thompson, Ernie, "Now, Where Was I?": CoCo1/CoCo2/CoCo3: August 1989, p.108. Prints format to keep track of programs, articles, comments. RBOWLIST.

Weaver, Dan. "Automile"; CoCo1/CoCo2/CoCo3; November 1989, p.40. Figures miles per gallon. AUTOMILE.
Wells, John T. "Cutting Corners"; CoCo3; April 1990, p.50. A familiar game. CHASE.

ranimat garne. CHASE.
Wong, Thomas. "Bowling"; CoCo3; July 1989, p.103. A CoCo 3 bowling game.. BOWLING.
Wong, Thomas. "Gopher Smash"; CoCo3; January 1990, p.37.
Kill gophers as they pop out of boxes. SMASH.

# OS-9

Behrmann, Darrel. "Syscall Sounds"; CoCo3; July 1989, p.126.

Calling OS-9's SS.Tone system call from BASIC09. SOUND. Calling OS-9's SS. Ione system call from BASIC09. SOUND. Brumley, Troy. "Text File Compression"; CoCo1/CoCo2/CoCo3; September 1989, p.112. Programs to compress text files for more storage space. COMPRESS. Cheek, Joseph. "Reach Out and Touch OS-9"; CoCo3; October 1989, p.72. A utility for updating files. TOUCH.

Deneen, Kevin. "One Label or Two?"; CoCo1/CoCo2/CoCo3; January 1990, p.110. Makes labels in groups of one or more.

Coldberg, Stephen. "Do the Split"; CoCo1/CoCo2/CoCo3; March 1990, p.86. Making large files easier to handle. SPLIT. Goldberg, Stephen. "Drive With Speed"; CoCo1/CoCo2/CoCo3;

February 1990, p.56. Double the speed of your OS-9 floppy drives. VFY.C

Law, Greg. "Breakpoint"; CoCo1/CoCo2/CoCo3; December 1989,

p.86. "Open Sesame!". SU. Law, Greg. "Breakpoint"; CoCo1/CoCo2/CoCo3; January 1990, p.56. "Lost and Found". VOL.

p.56. "Lost and Found". VOL.

Law, Greg. "Breakpoint"; CoCo1/CoCo2/CoCo3; February 1990, p.122. "Dissecting the Command Line". UDIR.C

Law, Greg. "Breakpoint"; CoCo1/CoCo2/CoCo3; March 1990, p.96. "Give It Top Priority". NIGE.ASM.

Law, Greg. "Breakpoint"; CoCo1/CoCo2/CoCo3; April 1990, p.113. "Conversions and Diversions". NICE.A.

Law, Greg. "Breakpoint"; CoCo1/CoCo2/CoCo3; May 1990, p.30. "The OS-9 File Structure". FILES.B09.

Law, Greg. "Breakpoint"; CoCo1/CoCo2/CoCo3; June 1990, p.44. "Scaling the Directory Tree". PWDIR.C

Numa, David. "What You Should Know About C Compiler"; CoCo3; October 1989, p.82. Utility thats gets you started with cgfx functions.

cgfx functions.
Page, Stephen. "Flipper09"; CoCo1/CoCo2/CoCo3; December 1989, p.106. Game, try to have more colored pieces on board than opponent. FLIPER09.

than opponent. FLIPER09.

Parker, Jeffrey. "OS-9 Survival Training"; August 1989, p.66.

Overview of OS-9 and available hardware and software.

Pittman, Larry. "Larry's Labeler"; CoCo1/CoCo2/CoCo3; May
1990, p.46. Organizing your collection of floppy disks. DIABEL.

Puckett, Dale. "KISSable OS-9"; CoCo3; July 1989, p.138. "Adding
Fireworks to Find". LOCATE.

Puckett, Dale. "KISSable OS-9"; August 1989, p.122. "OS-9
Makes Big Showing at Chicago".

Puckett, Dale. "KISSable OS-9"; CoCo3; September 1989, p.114.

"Maxlc in Multi-Vue". MAXIC

Puckett, Dale. "KISSable OS-9"; CoCo3; October 1989, p.110.
"More on Maxlc and OS-9 Hits the Mac". TANDY.

Puckett, Dale. "KISSable OS-9"; CoCo3; November 1989, p.112.

Puckett, Dale. "KISSable OS-9"; CoCo3; November 1989, p.112. "Clearing the Board". GETICON.
Puckett, Dale. "KISSable OS-9"; December 1989, p.110. "OS-9 Takes Bean Town".

Puckett, Dale. "KISSable OS-9"; January 1990, p.117. "Are Your Programs Headed for a Breakdown?".

Puckett, Dale. "KISSable OS-9"; March 1990, p.65. "Rumors from

Rainbowfest".
Puckett, Dale. "KISSable OS-9"; CoCo3; April 1990, p.52. "A New

Puckett, Dale. "KISSable OS-9"; CoCo3; April 1990, p.52. "A New Look for OS-9". MVFINANCE.
Ries, Richard. "Carte Blanche"; CoCo3; March 1990, p.118.
Menu-building program for BASICO9. CARTE\_BLANCH.
Saksa, Jonathan. "Do You Have The Time?"; CoCo3; January

1990, p.46. A calendar program to help you organize your time. CALENDAR.

Sunderlin, Mark. "A CLS Command for OS-9"; CoCo1/CoCo2/ CoCo3; July 1989, p.128. Adding a speedy assembly language CLS to the system. CLS. Swinefurth, Chris. "Type Does Windows"; CoCo3; June 1990, p.36. A utility to switch window types in a hurry. TYPE.C Tandy Home Computer. "Multi-Vue and Pre-Existing Applications"; CoCo3; December 1989, p.38. Aid for getting more out of Multi-Vue EDIC

of Multi-Vue. EDIC

Yates, Jerry. "USTime & StripBin"; CoCo1/CoCo2/CoCo3; August 1989, p.22. Utility, sets up time as "January 3, 1989 9:23:45 am/pm". USTIME.

#### **PROGRAMMING**

Barden, William. "Barden's Buffer"; CoCo1/CoCo2/CoCo3; July 1989, p.130. "That's the Way the Ball Bounces". BALL1.
Barden, William. "Barden's Buffer"; August 1989, p.112. "Computer Knowledge in Any Language". ECB INTEREST.
Barden, William. "Barden's Buffer"; October 1989, p.122. "Your First BASIC Program".
Barden, William. "Barden's Buffer"; CoCo1/CoCo2/CoCo3; December 1989, p.116. "Take a Gamble". RANDOM.
Barden, William. "Barden's Buffer"; CoCo1/CoCo2/CoCo3; April 1990, p.35. "Take Your Files for a Spin". R\*L"D\*X.
Barden, William. "Barden's Buffer"; CoCo3; May 1990, p.78.

1990, p.35. Take Your Files for a Spin. K-L'D'A.
Barden, William. "Barden's Buffer"; CoCo3; May 1990, p.78.
"Thanks for the Memory". MANAGER.
Friesen, Geoff. "Introducing BASIC+"; CoCo3; September 1989, p.38. An enhancement to BASIC. BASIC+.
Nee, William. "Assembly Line, Part 1"; CoCo1/CoCo2/CoCo3; May 1990, p.22. A way to speed up routines in ROM using

may 1990, p.22. A way to speed up foutilies in ROW using complex math. SCALE1.

Nee, William. "The Assembly Line, Part 2"; CoCo1/CoCo2/CoCo3; June 1990, p.84. Rotating, mirroring and more with PMODE4. MODIFY.

Nee, William. "Machine Language Made BASIC, Part XIII"; CoCo1/CoCo2/CoCo3; July 1989, p.80. Drawing graphics lines using machine Language BINI INE

machine language. BINLINE.
Perlman, Richard. "Do-It Yourself Database, Part 4"; CoCo3;
April 1990, p.12. How to use the database. DATAB.
Perlman, Richard. "Do-It-Yourself Disk Database, Part 3"; CoCo1/

CoCo2/CoCo3; September 1989, p.20. How to create a full-

featured disk database system. CREATE. Zumwalt, Greg. "Breaking the 32K Barrier"; June 1990, p.58. A

look at the 64K plus ROM Paks.

# **QUESTION AND ANSWER**

Boeldt, Larry. "BASICally Speaking"; July 1989, p.96.
Boeldt, Larry. "BASICally Speaking"; August 1989, p.60.
Boeldt, Larry. "BASICally Speaking"; September 1989, p.72.
Boeldt, Larry. "BASICally Speaking"; December 1989, p.24.
Esposito, Richard. "Doctor ASCII"; November 1989, p.34.
Esposito, Richard & Libra, Richard. "Doctor ASCII"; July 1989,

p. 124. Technical potpourri. p. 124. Technical polybodin.

Goodman, Marty. "CoCo Consultations"; July 1989, p.78.

Goodman, Marty. "CoCo Consultations"; August 1989, p.62.

Goodman, Marty. "CoCo Consultations"; October 1989, p.16.

Goodman, Marty. "CoCo Consultations"; November 1989, p.30.

Goodman, Marty. "CoCo Consultations"; December 1989, p.42.

"Need a Little Support?".

Goodman, Marty. "CoCo Consultations"; January 1990, p.20.

"The Disk System that Lied".

Goodman, Marty. "CoCo Consultations"; February 1990, p.59.

Goodman, Marty. "CoCo Consultations"; February 1990, p.59. "Disconnecting Call Waiting".

Goodman, Marty. "CoCo Consultations"; March 1990, p.74. "Converting to the CoCo".

Goodman, Marty. "CoCo Consultations"; April 1990, p.59. "Look-

ing for Connectors".

Goodman, Marty. "CoCo Consultations"; May 1990, p.62. "OS-9

vs. BASIC".

Goodman, Marty. "CoCo Consultations"; CoCo1/CoCo2/CoCo3; June 1990, p.39. "CoCos Not up to Par".

#### **REVIEWS**

"Arcade Collection"; March 1990, p.110 "Art-Deli"; November 1989, p.98.
"BASIC Windows"; November 1989, p.99.
"Big BASIC"; October 1989, p.100. "Big RAM Disk"; April 1990, p.101.
"C.A.R."; October 1989, p.104.

"CC3 Flags"; August 1989, p.97.
"CEBBS - A BBS You Can Live With"; November 1989, p.94.

"ClII Pages"; February 1990, p.100.
"CRT Collection"; March 1990, p.102.
"Calendar and Convert"; September 1989, p.100.
"Chess Made Easy"; August 1989, p.93.
"CoCo 3 Games Disk"; September 1989, p.101.
"CoCo MIDI 3"; October 1989, p.105.
"COCo Stern Headphose"; August 1989, p.93.

"CoCo Stero Headphone"; August 1989, p.92. "CoCoRun-12"; February 1990, p.107.

"Color Schematic Creator 1.2"; September 1989, p.92. "Comics+"; February 1990, p.106.

"Comics+"; February 1990, p.106.
"CycleJump"; January 1990, p.104.
"Diamond in the Rough, A"; December 1989, p.96.
"DIR-MGR"; July 1989, p.121.
"DSKLBL"; March 1990, p.105.
"Danosoft's Disk Utilities"; November 1989, p.100.
"Data Form III"; January 1990, p.93.
"Disassembler"; December 1989, p.99.

"Disk Doctor"; August 1989, p.94.

"Disk Doctor"; August 1989, p.94.
"Disk Handyman"; November 1989, p.104.
"Div and Condiv"; June 1990, p.68.
"Donut Dilemma"; November 1989, p.102.
"Dual Hi-Res Joystick Adapter"; March 1990, p.106.
"Eagle Keyboard and Interface"; January 1990, p.92.
"Eldus"; March 1990, p.108.
"Extended ADOS-3"; October 1989, p.92.

"Extended ADOS-3"; October 1989, p.92.
"FORTH09"; March 1990, p.100.
"Fast Formatter"; July 1989, p.118.
"File System Repack"; January 1990, p.95.
"Foods II"; September 1989, p.98.

"Foods II": September 1989, p.98.
"HD-1"; August 1989, p.94.
"Hard Drive Zap"; July 1989, p. 115.
"Jack Rabbit"; December 1989, p.94.
"King's Quest III"; August 1989, p.90.
"Kyum-Gai:To Be Ninja"; December 1989, p.92.
"Label Designer"; May 1990, p.66.
"Leisure Suit Larry"; October 1989, p.98.
"Lesson Planner"; September 1989, p.95.
"Lock Master", August 1989, p.93

"Lock Master"; August 1989, p.93.
"Lyra 2.62"; November 1989, p.105.

Lyra Z.02 , November 1989, p. 105.

"Lyra Companion, The"; November 1989, p. 107.

"Lyra » TRAX «"; May 1990, p.68.

"M-Menu System"; April 1990, p.99.

"MC-1"; October 1989, p.97.

"MasterDIR"; October 1989, p.106.
"Memory Master"; September 1989, p.96.

"Menu Maker"; September 1989, p.100. "Milestones"; November 1989, p.104.

"Mutant Miners"; July 1989, p.115.
"Newspaper Plus"; July 1989, p.115.
"Nine-Digit Calculator"; July 1989, p.119.
"Nine-Times"; August 1989, p.98.
"Notes"; July 1989, p.120.
"O.S.I.T.E. File, The"; November 1989, p.102.

"OS-9 Pascal 2.0"; December 1989, p.100.
"Omni Utility"; July 1989, p.116.
"Omni Utility 2.0"; June 1990, p.68.
"Owl-Ware's Hard Drive"; April 1990, p.98.
"Paladin's Legacy"; June 1990, p.74.
"Peninsular War"; September 1989, p.97.

"PertASCII"; August 1989, p.96.

"Phonics Fun"; January 1990, p.99.

"Phonics Fun"; January 1990, p.99.
"Predator"; June 1990, p.76.
"Pt. File Manager"; May 1990, p.73.
"Revenge of the Mutant Miners"; September 1989, p.94.
"Riddle of the Ring"; May 1990, p.67.
"RoboCop"; May 1990, p.72.
"Roots"; August 1989, p.98.
"Rorke's Drift"; February 1990, p. 106.
"S - Screen Control"; June 1990, p.72.
"Simply Better 2.0"; February 1990, p.102.
"Sinistaer"; May 1990, p.74.

"Sinistaar"; May 1990, p.74.
"Slam Bam"; April 1990, p.101.
"Slots & Cards"; October 1989, p.100.

"Slots & Cards"; October 1989, p.100.
"Space Pac"; January 1990, p.102.
"Studio Works"; January 1990, p.94.
"Super Backup Utilities"; April 1990, p.102.
"SuperDisk"; March 1990, p.105.
"Supersound"; January 1990, p.100.
"T&D Subscription Software"; May 1990, p.76.

"Tazman"; March 1990, p. 108.
"TelePak II"; November 1989, p.109.
"TeleWriter Keyboard Templates"; December 1989, p.95.
"TetVro IV"; October 1989, p.102.
"TostPorn Marbles"; June 1990, p.66.
"Treasury Packs #1 and #2"; January 1990, p.96.
"Trythis"; December 1989, p.101.
"IlliMuse III"; Echrego 1999, p.101.

"Ultra-Cat"; October 1989, p.101.
"Ultra-Cat"; October 1989, p.103.
"Ultra-Merge"; July 1989, p.121.
"Ultra-Merge"; July 1989, p.121.
"Ultra-G+"; April 1990, p.104.
"UpDOS"; June 1990, p.72.
"Utilities & Subroutines in BASIC"; March 1990, p.103.

"VIP Calc III"; July 1989, p.116.
"Vocab"; March 1990, p.104.

"Vocab"; March 1990, p.104.
"Wargame Designer II"; September 1989, p.99.
"Wheel of Fate"; December 1989, p.96.
"Wheeler, The"; July 1989, p.117.
"Window Writer"; December 1989, p.102.
"Wizard's Castle"; February 1990, p.104.
"World at War"; November 1989, p.110.
"World at War, A"; June 1990, p.75.
"Z'89"; December 1989, p.98.

#### **TUTORIAL**

Kolar, Joseph. "BASICTraining"; CoCo1/CoCo2/CoCo3; August 1989, p. 100. "The Art of Graphics Characters". DIAMOND1. Kolar, Joseph. "BASIC Training"; CoCo1/CoCo2/CoCo3; October 1989, p.66. "More Graphics". NEWCOMER. Kolar, Joseph. "BASIC Training"; CoCo1/CoCo2/CoCo3; December 1989, p.50. "Program Shape-Up". FLASHES. Kolar, Joseph. "BASIC Training"; CoCo1/CoCo2/CoCo3; January 1990, p.87. "The Unfolding Block". LISTING1. Kolar, Joseph. "BASIC Training"; CoCo1/CoCo2/CoCo3; February 1990, p.52. "Working in Quadrants". AOPTION. Kolar, Joseph. "BASIC Training"; CoCo1/CoCo2/CoCo3; March 1990, p.78. "Graphics Fairyland". DIAMONDS. Kolar, Joseph. "BASIC Training"; CoCo1/CoCo2/CoCo3; April 1990, p.86. "Go Forth and Create!". WINDMILL. Kolar, Joseph. "BASIC Training"; CoCo1/CoCo2/CoCo3; June 1990, p.54. "The A-Option Wrap-Up". AOPTION1.

Campbell, Marc. "The Invincible Duplicator"; CoCo1/CoCo2/CoCo3; September 1989, p.44. Makes BASIC programs virtually crashproof. DUPLICAT.

Dalene, Mike. "Harness Those Keys"; CoCo1/CoCo2/CoCo3; January 1990, p.26. Redefine the "control" keys for your own specific needs. KEYEDIT.

Daniels, Bill. "Back From the Dead"; CoCo1/CoCo2/CoCo3; June

Daniels, Bill. "Back From the Dead"; CoCo1/CoCo3; June 1990, p.26. Resurrecting killed disk files. DISKEDT. Estrado, Richard. "The File Handler"; CoCo1/CoCo2/CoCo3; April 1990, p. 106. Copy routine that uses wildcards. COPYASM. Mediock, William. "Auto Repeat, Part 1"; CoCo1/CoCo2/CoCo3; July 1989, p.16. Add software key repeat to the CoCo 1,2 or 3. REPEAT

Mediock, William. "Key Ahead"; CoCo1/CoCo2/CoCo3; August 1989, p. 14. Create type-ahead buffer for any CoCo. KEYSBIN. Moore, Mike. "Save the Variables!"; CoCo1/CoCo2/CoCo3; January 1990, p.12. Chain BASIC programs and keep variables!"

ables while editing. VARKEEP.
Ottum, J.A. "From Screen to Printed Page"; CoCo1/CoCo2/ CoCo3; February 1990, p.83. A utility that lets you print straight from the screen. PRT.

from the screen. PR1.

Ottum, J.A. "Habla Espanol?"; CoCo1/CoCo2/CoCo3; July 1989, p.29. CoCo accepts commands in Spanish. ESPANOL.

Ricketts, Steve. "To the Rescue"; CoCo1/CoCo2/CoCo3; March 1990, p.54. Aid for lost files on crashed disks. COCOCLN.

# **AUTHORS**

Aftamonow, Ellen. "Tax and Tip"; CoCo1/CoCo2/CoCo3; July 1989, p. 105. Helps you divvy up restaurant bills. TAXTIP. Arko, Lyn. "Doggone"; CoCo1/CoCo2/CoCo3; July 1989, p.108. Draws a graphics image of a dog. DOGGONE.

Augsburg, Cray. "Wrapping The Rainbow"; October 1989, p.14. 
"An Electronic Evolution".

Augsburg, Cray. "Wrapping The Rainbow"; November 1989, p. 123. "Join the Chorus!".

Augsburg, Cray. "Wrapping The Rainbow"; December 1989,

- n 124 "OS-9: Room for Growth"
- Augsburg, Cray. "Wrapping The Rainbow"; January 1990, p. 124. From Reader to Writer
- Augsburg, Cray. "Wrapping The Rainbow"; February 1990, p.10. The Show Must Go On"
- Augsburg, Cray. "Wrapping The Rainbow"; March 1990, p.124. 'What's in Store?"
- Augsburg, Cray. "Wrapping The Rainbow"; April 1990, p.124. How Many Colors in a Rainbow?'
- Augsburg, Cray. "Wrapping The Rainbow"; May 1990, p. 124. 'Rainbow Illusions".
- Babich, Tio. "Draw Figures Using Asterisks"; CoCo1/CoCo2/CoCo3; November 1989, p.39. Draw figures using asterisks.
- Babich, Tio. "Slope and Funnel"; CoCo3; July 1989, p.108. Draws aslope and funnel on the CoCo 3 640x192 screen. SLOPEFNL
- astope anto unier of the coco 3 of 40x192 screen; SCPFETN Barden, William. "Barden's Buffer"; CoCo1/CoCo2/CoCo3; July 1989, p.130. "That's the Way the Ball Bounces". BALL1.

  Barden, William. "Barden's Buffer"; August 1989, p.112. "Computer Knowledge in Any Language". ECB INTEREST.

  Barden, William. "Barden's Buffer"; September 1989, p.102.
- "Loose Ends and CoCo Outputs".
- Barden, William, "Barden's Buffer": October 1989, p. 122, "Your
- First BASIC Program".

  Barden, William. "Barden's Buffer"; November 1989, p.64. "Put
- on Your 3-D Glasses". Barden, William, "Barden's Buffer": CoCo1/CoCo2/CoCo3:
- December 1989, p.116. "Take a Gamble". RANDOM. Barden, William. "Barden's Buffer"; CoCo3; February 1990, p.42.
- "High Hopes for the Hi-Res". READHI.

  Barden, William. "Barden's Buffer"; CoCo3; March 1990, p.40. "A

  CoCo Dual-Trace Oscilloscope". SCOPE.

  Barden, William. "Barden's Buffer"; CoCo1/CoCo2/CoCo3; April
- 1990, p.35. "Take Your Files for a Spin". R\*L\*D\*X.
  Barden, William. "Barden's Buffer"; CoCo3; May 1990, p.78.
- "Thanks for the Memory". MANAGER. Behrmann, Darrel. "Syscall Sounds"; CoCo3; July 1989, p. 126.
- Calling OS-9's SS.Tone system call from BASIC09. SOUND. Bennett, Jim. "Tricky Graphics"; CoCo3; October 1989, p.20. Neat trick for programming graphics on CoCo 3.. CARRIER. Benny, Patrick. "On The Run"; CoCo1/CoCo2/CoCo3; July 1989,
- p.106. Create smooth animation sequences. LION.
  Bernico, Bill. "Box Menu"; CoCo1/CoCo2/CoCo3; January 1990, p.32. Spices up menu screen and makes item selection interesting. BOXMENU.
- Bernico, Bill. "Guitar 3"; CoCo3; February 1990, p.112. Displays quitar chords on the CoCo 3 graphics screen, GUITAR3
- guitar chords on the CoCo 3 graphics screen. GUTTAR3.

  Bernico, Bill. "Songwriter's Helper"; CoCo3; September 1989, p.60. Plays various musical patterns. SONGRITR.

  Bernico, Bill. "Sound-to-Play"; CoCo1/CoCo2/CoCo3; August 1989, p.110. Matches up PLAY command note values for SOUND command. PLAYCONV.
  Bernico, Bill. "The CoCo Coloring Book"; CoCo3; September
- 1989, p.12. Coloring pictures with the computer. COLRBOOK.
  Bernico, Bill. "This Is Your Big Debut"; CoCo3; February 1990,
  p.35. Title screen with moving lights. MARQUEE3.
  Blyn, Steve. "Education Notes"; CoCo1/CoCo2/CoCo3; August
- 1989, p.64. "Building Reading Skills". FOLLOW. Blyn, Steve. "Education Notes"; CoCo1/CoCo2/CoCo3; September 1989, p.54. "Learning About Ratios". RATIOS.
  Blyn, Steve. "Education Notes"; CoCo1/CoCo2/CoCo3; October
- Blyh, Steve. "Education Notes"; CoCo1/CoCo2/CoCo3; October 1989, p.52. "Cracking Codes". CODEWORD.

  Blyn, Steve. "Education Notes"; CoCo1/CoCo2/CoCo3; November 1989, p.24. "Probability". PROBABLE.

  Blyn, Steve. "Education Notes"; CoCo1/CoCo2/CoCo3; December 1989, p.24. "Probability". PROBABLE.
- ber 1989, p.32. "To Rhyme or Not to Rhyme". POETRY
- Blyn, Steve. "Education Notes"; CoCCo1/CoCo2/CoCo3; February 1990, p.94. "One-On-One Math Drills". BASKET.
  Blyn, Steve. "Education Notes"; CoCo1/CoCo2/CoCo3; March
- Blyn, Steve. "Education Notes"; CoCo1/CoCo2/CoCo3; March 1990, p.112. "Toronto, Ontario for a Basket". BASKETBL. Blyn, Steve. "Education Notes"; CoCo1/CoCo2/CoCo3; April 1990, p.85. "a,e,i,o,u". VOWELS. Blyn, Steve. "Education Notes"; CoCo1/CoCo2/CoCo3; May
- 1990, p.88. "Cooking With Metric Measures". METRIC.
  Blyn, Steve. "Education Notes"; CoCo1/CoCo2/CoCo3; June
  1990, p.18. "Integers in Order". CONSEC.
  Bodnar, David. "Exposing the CoCo to Photography"; CoCo1/
- CoCo2/CoCo3; February 1990, p.96. Use the CoCo for timing applications in the darkroom. DARKROOM.
- applications in the darknoon. DARNOOM.
  Boeldt, Larry. "BASICally Speaking"; July 1989, p.96.
  Boeldt, Larry. "BASICally Speaking"; August 1989, p.60.
  Boeldt, Larry. "BASICally Speaking"; Eptember 1989, p.72.
  Boeldt, Larry. "BASICally Speaking"; December 1989, p.24.
  Boughton, Ralph. "Star Defender"; CoCo3; September 1989,
- p.61. Shoot down enemy ships before your bases are hit. STARDER
- Bradbury, Nick. "Icarus in Search of Wings"; CoCo3; April 1990, p.12. Do an arcade penguin dance. PENGUIN.
  Bradbury, Nick. "One Tile at a Time"; CoCo3; January 1990, p.72.
- Fast action tile game. FRUSTRAT. Britton, Steve. "Samurai"; CoCo1/CoCo2/CoCo3; March 1990,
- p. 114. Oriental battle-type game. SAMURAI.
  Brumley, Troy. "Text File Compression"; CoCo1/CoCo2/CoCo3;
- September 1989, p.112. Programs to compress text files for more storage space. COMPRESS.

  Brunotte, Benjamin. "Another Form"; CoCo3; April 1990, p.64.
- Create custom forms. FORMAKER.
- Brunotte, Benjamin. "Custom Built Desk for the CoCo"; December 1989, p.67. A real nail and hammer project. Budenholzer, William, "Nickelodeon": CoCo1/CoCo2/CoCo3:
- August 1989, p.84. Song editor/player. NICKEL-D
- Campbell, Marc. "The Checkers Champ"; CoCo3; November

- 1989, p.82. Computerized checker game.. CHECKERS. Campbell, Marc. "The Invincible Duplicator"; CoCo1/CoCo2/CoCo3; September 1989, p.44. Makes BASIC programs virtually crashproof. DUPLICAT
- Cheek, Joseph. "Reach Out and Touch OS-9"; CoCo3; October
- 1989, p.72. A utility for updating files. TOUCH. Cheves, Warren. "Car Bingo Game"; CoCo1/CoCo2/CoCo3; November 1989, p.42. Prints index cards with two-character state abbreviations, BINGO,
- Christensen, Glenn. "Attributes"; CoCo3; March 1990, p.60. Adds color to your screen. ATTR.
- Collicott, John. "Bookworm"; CoCo1/CoCo2/CoCo3; September 1989, p.32. Helps develop problem-solving skills in math. BOOKWORM
- Coty, Curt. "Shopping Spree"; CoCo3; July 1989, p.34. Action game - player goes shopping in a department store. SPREE. Crooks, Mary. "Time Test"; CoCo1/CoCo2/CoCo3; August 1989,
- p.56. Timed drills in multiplication and division. TIMETEST.
  Cuadra, Hector. "What Goes Up . . ."; CoCo1/CoCo2/CoCo3;
  January 1990, p.112. Physics game. GRAVITY.
  Curtis, Allen. "High-Capacity Screen Dumps"; CoCo3; August
- 1989, p.38. High-density printer enhancements for desktop publisher. DRIVERHT.
- Curtis, Allen. "High-Capacity Screen Dumps"; CoCo3; October 1989, p.63. How to save and load a half-screen. DHPATCH. Dalene, Mike. "Harness Those Keys"; CoCo1/CoCo2/CoCo3; January 1990, p.26. Redefine the "control" keys for your own specific needs KEYEDIT
- Daniels, Bill. "Back From the Dead"; CoCo1/CoCo2/CoCo3; June 1990, p.26. Resurrecting killed disk files. DISKEDT. arren Day. "The Change Counter"; CoCo1/CoCo2/CoCo3;
- arren Day. "The Change Counter"; CoCo1/CoCo2/CoCo3; September 1989, p.64. Counts change. Enter Q for quarter, D for dime, etc. CHANGE.
- Deneen, Kevin, "One Label or Two?": CoCo1/CoCo2/CoCo3: January 1990, p.110. Makes labels in groups of one or more. LABEL.C
- Distefano, Tony. "Turn of the Screw"; July 1989, p.98. "Dynamic Random Access Memory Explained". istefano, Tony. "Turn of the Screw"; September 1989, p.56.
- Distefano, Tony. "Turn of the Screw"; September 1989, p.56. "Building a RAM Disk". Distefano, Tony. "Turn of the Screw"; October 1989, p.86. "Building a RAM Disk".
- וואַ מ האמיז ווא .
  Distefano, Tony. "Turn of the Screw"; CoCo1/CoCo2/CoCo3; December 1989, p.64. "RAM Disk, Part III". GENTEST.
  Distefano, Tony. "Turn of the Screw"; January 1990, p.40. "Disk
- Track Tracer".
- Distefano, Tony. "Turn of the Screw"; February 1990, p.18. "A Digital Lesson"
- Distefano, Tony. "Turn of the Screw"; March 1990, p.56. "A Digital Lesson. Part 2".
- Distefano, Tony. "Turn of the Screw"; April 1990, p.110. "Digital Lesson, Part 3".
- Distefano, Tony. "Turn of the Screw"; May 1990, p.54. "Tools of the Trade"
- Distefano, Tony. "Turn of the Screw"; June 1990, p.80. "Clearing the Paths". Driessen, David. "Want a Personalized Phone Number?"; CoCo1/
- CoCo2/CoCo3; August 1989, p.108. Takes phone number and spells out all letter combinations. FONEFIND. Driscoll, Chris, "Escape": CoCo1/CoCo2/CoCo3; February 1990.
- p.37. Try to escape from this twenty-level castle. ESCAPE. Ehrenberg, R.M. "Categories"; CoCo1/CoCo2/CoCo3; March 1990, p.62. An alternative to Trivial Pursuit or Monopoly. CATS. Esposito, Richard. "Doctor ASCII"; November 1989, p.34.
- Esposito, Richard & Libra, Richard. "Doctor ASCII"; July 1989,
- p.124. Technical potpourri. Estrado, Richard. "The File Handler"; CoCo1/CoCo2/CoCo3; April 1990, p.106. Copy routine that uses wildcards. COPYASM. Falge, Linda. "KinderFun"; CoCo1/CoCo2/CoCo3; September
- 1989, p.84. Children's program to learn colors, letters, num-
- bers, music. KINDRFUN.
  Falk, Lonnie. "Print#-2"; July 1989, p.12. "Fun at the 'Fest".
  Falk, Lonnie. "Print#-2"; August 1989, p.10. "Eight Years Strong".
  Falk, Lonnie. "Print#-2"; September 1989, p.10. "A New Site for
- RAINBOWfest"
- Falk, Lonnie. "Print#-2"; October 1989, p.10. "A Transition at The Rainhow"
- Falk, Lonnie. "Print#-2"; November 1989, p.10. "Spread the
- Falk, Lonnie. "Print#-2"; December 1989, p.10. "Canadian Future Falk, Lonnie. "Print#-2"; January 1990, p. 10. "History in the
- Making".
- Falk, Lonnie. "Print#-2"; March 1990, p.10. "New Life for CoCo". Falk, Lonnie. "Print#-2"; April 1990, p.10. "A Helping Hand". Falk, Lonnie. "Print#-2"; May 1990, p.10. "Spring Forward, Look
- Flinn, William. "Solving Quadratic Equations"; CoCo1/CoCo2/ CoCo3; June 1990, p.49. Help in finding roots of quadratic equations. QUADRATC.
- Ford, Steven. "CoCo and Amateur Radio"; November 1989, p.44. Discussion of ham radio as a hobby.
- Ford, Steven. "Plug Into Packet"; February 1990, p.22. Exploration of packet radio.
- Forster, Jim. "Moonscape"; CoCo3; January 1990, p.32. Forms
- Forster, Jim. "Moonscape; Cocoo, varioury 1999, p.147. moon in sky. MOON.
  Foster, Leslie. "The Eighth Year of Rainbow"; July 1989, p.147. Index July 1988 to June 1989.
  Fouts, Gordon E. "The Price is Right"; CoCoo; April 1990, p.116.
- An aid for finding mark-up/down percentages. MARKUP.
  Francis, David. "Moon Mapper"; CoCo3; March 1990, p.82. Helps
  you track the planet-size moons of Jupiter. GALISAT3.

- Francisco, Harleen. "The Economy Printer Buffer, Part II"; July
- 1989, p.72. Build and troubleshoot the printer buffer. Friedrich, John. "Story Writer"; CoCo1/CoCo2/CoCo3; July 1989, p. 104. A game that challenges writing creativity. STORYWRT. Friesen, Geoff. "Introducing BASIC+"; CoCo3; September 1989,
- p.38. An enhancement to BASIC. BASIC+.
  Friesen, Geoff. "Superpoke"; CoCo3; June 1990, p.48. Allows
- multiple-byte pokes. SUPRPOKE. arcia, Carlos. "Searching for a Rainbow"; CoCo3; January Garcia, Carlos.
- 1990, p.36. Animates a rainbow and waterfall. RAINBOW. George, Thomas. "The Tholean Web"; CoCo1/CoCo2/CoCo3; July 1989, p.42. Maze game where player must neutralize a force field. WEBBAS.
- Giles, Douglas. "Super Quiz"; CoCo1/CoCo2/CoCo3; October 1989, p.40. Helps develop memorization skills. SUPRQUIZ.
- Goldberg, Stephen. "Do the Split"; CoCo1/CoCo2/CoCo3; March 1990, p.86. Making large files easier to handle. SPLIT.
- Goldberg, Stephen. "Drive With Speed"; CoCo1/CoCo2/CoCo3; February 1990, p.56. Double the speed of your OS-9 floppy drives VFY C
- Golias, Ruth. "He's Just a Snowman"; CoCo3; December 1989,
- p.20. Sing along with Frosty. FROSTY.

  Goodell, Kirk. "Patchwork on the CoCo 3"; CoCo3; November 1989, p.26C. Lets you patch disks. BLASTER.

  Goodman, Marty. "Adding a Disk Drive to Your CoCo Pt. 2"; April

- 1990, p.92. Adding disk drives to the CoCo.
  Goodman, Marty. "CoCo Consultations"; July 1989, p.78.
  Goodman, Marty. "CoCo Consultations"; August 1989, p.62.
  Goodman, Marty. "CoCo Consultations"; Cotober 1989, p.16.
  Goodman, Marty. "CoCo Consultations"; November 1989, p.30. Goodman, Marty. "CoCo Consultations"; December 1989, p.42.
- "Need a Little Support?". Goodman, Marty. "CoCo Consultations"; January 1990, p.20. "The Disk System that Lied".
- Goodman, Marty. "CoCo Consultations"; February 1990, p.59. "Disconnecting Call Waiting".
- Goodman, Marty. "CoCo Consultations"; March 1990, p.74.
- "Converting to the CoCo' Goodman, Marty. "CoCo Consultations"; April 1990, p.59. "Look-
- ing for Connectors" Goodman, Marty. "CoCo Consultations"; May 1990, p.62. "OS-9
- vs. BASIC" Goodman, Marty. "CoCo Consultations"; CoCo1/CoCo2/CoCo3;
- June 1990, p.39. "CoCos Not up to Par". Goodman, Marty. "Disk Drives and the Color Computer"; March
- 1990, p.22. Adding a floppy disk to the CoCo.
  Goodman, Marty. "The OS-9 \*CART Interrupt Fix"; CoCo3;
  November 1989, p.50. Multi-Pak and CoCo 3 fixes.
- Grant, Ron. "The Schematic Scoundrel, Revisited"; CoCo1/ CoCo2/CoCo3; July 1989, p.101. Adding symbol rotation for
- more flexibility. COCOCAD. Hall, Greg. "Let CoCo Calculate HBUFF"; CoCo3; February 1990, p.36. A fast simple way to calculate HBUFF. HBUFF. Haveman, Evan. "Computer Aided Design"; CoCo3; October
- 1989, p.59. Demonstrates computer aided design at minimal level, MINICAD.
- Hegberg, Joel. "A Mazing Adventure"; CoCo1/CoCo2/CoCo3; December 1989, p.46. Maze Adventure, quest for evil dragon.
- THEQUEST.
  Hinton, Ron. "Best Medicine for Disorderly Med. Bills"; CoCo3; February 1990, p.116. Keep the financial side of your medical history in order. MEDIC3.
- obson, Jon. "Marynote"; CoCo1/CoCo2/CoCo3; October 1989, p.58. Plays songs and displays notes one at a time. MARYNOTE. Hutchison, Don. "Delphi Bureau"; July 1989, p.87. GameTerm and other shareware terminal programs.
- Hutchison, Don. "Delphi Bureau"; September 1989, p.42. "New Horizons'
- Hutchison, Don. "Delphi Bureau"; October 1989, p.54. "Tokenized BASIC".
- Hutchison, Don. "Delphi Bureau"; November 1989, p.36. "KEY-SUB and WEFAX and Guide Oh, My!". Hutchison, Don. "Delphi Bureau"; December 1989, p.35. "The
- World's First". lacovou, Neophytos. "A Special Switch"; May 1990, p.43. Four projects using the 4PDT switch.
- Jacob, David. "Let's Make a List"; CoCo3; February 1990, p.38.
- Create a database for your books. LISTER. Johnson, Samuel. "EduSpell, Part II:The Dictionary"; CoCo1/ CoCo2/CoCo3; July 1989, p.50. Part II in the development of
- a talking spelling tutor. MAINMENU.

  Jones, Leroy. "Innkeeper"; CoCo1/CoCo2/CoCo3; March 1990,
- p.62. Catch falling drinks with trays. INNKEEP.
  Kastack, Rebecca. "What Day?"; CoCo1/CoCo2/CoCo3; January 1990, p.30. Calendar for finding day of week of birthdays. WHATDAY.
- Kenny, Keiran. "Booklet, Revisited"; CoCo1/CoCo2/CoCo3; May 1990, p.40. Mods to allow for bigger booklets. PATBOOK
- Kenny, Keiran. "What Is on the Agenda for Today?"; CoCo1/ CoCo2/CoCo3; April 1990, p.49. Home help, scratchpad. AGENDA
- Ketchel, Kyle. "The Time Sheet"; CoCo1/CoCo2/CoCo3; October 1989, p.62. For employers. TIMESHT.
  Kolar, Joseph. "BASIC Training"; CoCo1/CoCo2/CoCo3; August
- 1989, p.100. "The Art of Graphics Characters". DIAMOND1.
- 1989, p.100. "The Art of Graphics Characters". DIAMOND1.
  Kolar, Joseph. "BASIC Training"; CoCo1/CoCo2/CoCo3; October 1989, p.66. "More Graphics". NEWCOMER.
  Kolar, Joseph. "BASIC Training"; CoCo1/CoCo2/CoCo3; December 1989, p.50. "Program Shape-Up". FLASHES.
  Kolar, Joseph. "BASIC Training"; CoCo1/CoCo2/CoCo3; January 1990, p.87. "The Unfolding Block". LISTING1.
  Kolar, Joseph. "BASIC Training"; CoCo1/CoCo2/CoCo3; Febru-

- ary 1990, p.52. "Working in Quadrants". AOPTION.
  Kolar, Joseph. "BASIC Training"; CoCo1/CoCo2/CoCo3; March
  1990, p.78. "Graphics Fairyland". DIAMONDS.
  Kolar, Joseph. "BASIC Training"; CoCo1/CoCo2/CoCo3; April
  1990, p.86. "Go Forth and Create!". WINDMILL.
  Kolar, Joseph. "BASIC Training"; CoCo1/CoCo2/CoCo3; June
  1990, p.54. "The A-Option Wrap-Up". AOPTION1.
  Koonce, Tim. "Observing the Social Graces"; November 1989,
- p.72. Introduction to file-transfer protocols.

  Kraft, Michael. "As the World Turns"; CoCo1/CoCo2/CoCo3;
- August 1989, p.106. Draws eight graphics screens and produces animation. WORLD1.
- Kuns, Eddie. "Database Report"; April 1990, p.62. "Name That Tune With UltiMusE"
- Kuns, Eddie. "Database Report"; June 1990, p.92. "OS-9 Uploads Growina".
- Kuntz, Steven. "The CoCo Signal"; CoCo3; March 1990, p.61. A signal for programming problems or hardware glitches. HCAT. Law, Greg, "Breakpoint"; CoCo1/CoCo2/CoCo3; December 1989, p.86. "Open Sesame!". SU. Law, Greg, "Breakpoint"; CoCo1/CoCo2/CoCo3; January 1990, p.56. "Lost and Found". VOL.
- Law, Greg. "Breakpoint"; CoCo1/CoCo2/CoCo3; February 1990, p.122. "Dissecting the Command Line". UDIR.C.
- p.122. 'Dissecting the Command Line'. UDIR.C.
  Law, Greg. "Breakpoint"; CoCo1/CoCo2/CoCo3; March 1990,
  p.96. "Give It Top Priority". NICE.ASM.
  Law, Greg. "Breakpoint"; CoCo1/CoCo2/CoCo3; April 1990,
  p.113. "Conversions and Diversions". NICE.A.

- p.113. "Conversions and Diversions". NICE.A.
  Law, Greg. "Breakpoint"; CoCo1/CoCo2/CoCo3; May 1990, p.30.
  "The OS-9 File Structure". FILES.B09.
  Law, Greg. "Breakpoint"; CoCo1/CoCo2/CoCo3; June 1990, p.44. "Scaling the Directory Tree". PWDIR.C.
  Law, Greg. "Database Report"; March 1990, p.72. "New Uploads".
  LeBlanc, Dave. "Personal Secretary"; CoCo1/CoCo2/CoCo3; December 1989, p.56. A personalized notepad for easy organization. COCOMEMO.
- Mabry, George. "Lowercase and Colors Too"; CoCo3; March 1990, p.60. Adjusts the colors and actuates a true lowercase text screen, LOCASE.
- Macias, David. "Mapping Your Finances"; CoCo3; November 1989, p.20. Calculates annual interest rates in percentage form, etc. AMORTIZE.
- Macias, David. "Predicting Profits"; CoCo3; April 1990, p.44. Perform break-even analysis. COST. PAS.
- McNeill, James. "Shopper Ease"; CoCo1/CoCo2/CoCo3; September 1989, p.62. A form for shopping lists. GROLIST.
- Medlock, William. "Auto Repeat, Part 1"; CoCo1/CoCo2/CoCo3; July 1989, p. 16. Add software key repeat to the CoCo 1, 2 or 3. REPEAT
- Medlock, William. "Disk Copy Utility"; CoCo1/CoCo2/CoCo3; January 1990, p.31. Copies files from one disk to another. COPY
- Medlock, William. "Key Ahead"; CoCo1/CoCo2/CoCo3; August 1989, p. 14. Create type-ahead buffer for any CoCo. KEYSBIN.
- Messer, Shane. "CoCo Jumble"; CoCo1/CoCo2/CoCo3; June 1990, p.50. A scrambled-word game for two players. JUMBLE2. Messer, Shane. "Improving the Scheme of Screens"; CoCo3; January 1990, p.82. Create icons for your programs. DE-SIGNER.
- Messer, Shane. "The Golden Retriever"; CoCo3; April 1990, p.24. Roll your own database program. COLRBASE.
  Mills, Robert. "Letters & Numbers"; CoCo3; June 1990, p.48.
- Helps youngsters learn to recognize letters and numbers.
- Minze, Bill. "Reckoning With the CoCo"; CoCo1/CoCo2/CoCo3;
- Minze, Bill. "Reckoning With the CoCo"; CoCo1/CoCo2/CoCo3; April 1990, p.20. Printing calculator program. CALCULAT. Moore, Mike. "Save the Variables!"; CoCo1/CoCo2/CoCo3; January 1990, p.12. Chain BASIC programs and keep variables while editing. VARKEEP. Mosely, John. "Winter Magic"; CoCo3; December 1989, p. 12. A program for producing snow onscreen. SNOW.
- Mosley, John. "3-D Grapher"; CoCo3; August 1989, p.107. Graphics using three-variable equations. GRAPH.
- Mosley, John. "Kaleidoscope"; CoCo3; September 1989, p.63. Computer display of multicolor symmetric patterns, SCOPE, Mosley, John. "Vegas at Your Fingertips"; CoCo3; June 1990, p. 12. A slot machine for the CoCo 3. SLOTS.
- Murphy, Stephen. "The Price of Wisdom"; February 1990, p. 14.
- A humorous admonishment to use your manual.

  Nee, William. "Assembly Line, Part 1"; CoCo1/CoCo2/CoCo3;

  May 1990, p.22. A way to speed up routines in ROM using
- complex math. SCALE1.

  Nee, William. "The Assembly Line, Part 2"; CoCo1/CoCo2/CoCo3; June 1990, p.84. Rotating, mirroring and more with PMODE4. MODIFY.
- Nee, William. "Machine Language Made BASIC, Part XIII"; CoCo1/ CoCo2/CoCo3: July 1989, p.80. Drawing graphics lines using
- machine language. BINLINE.

  Nee, William. "The Graphics Corner"; CoCo1/CoCo2/CoCo3; August 1989, p.36. Three ways to create color graphics on the CoCo. CLRDEMO
- Nee, William. "The Graphics Corner, Part II"; CoCo1/CoCo2/ CoCo3; September 1989, p.48. PSETing numbers without using coordinates. SCRLDEMO. ee, William. "The Graphics Corner, Part IN"; CoCo1/CoCo2/
- CoCo3; October 1989, p.78. A two-dimensional array that helps generate new values. NEIGHBR1.

  Needham, Andre. "But it's Not Winter Yet"; CoCo1/CoCo2/CoCo3; August 1989, p.107. Creates a snowflake. SNOFLAKE. Needham, Andre. "Fun With Fractals"; CoCo3; October 1989, p.60. Mathematically generated images. FRACTMTN.

- Numa, David. "What You Should Know About C Compiler"; CoCo3; October 1989, p.82. Utility thats gets you started with cgfx functions.
- Olmstead, Paul L. "Title Screen Splashdown"; CoCo1/CoCo2/ CoCo3; April 1990, p.51. Animation utility. FALLING.
- Onley, Ray. "An Old Code in a New Mode"; CoCo1/CoCo2/ CoCo3; November 1989, p.12. Morse code training program for CoCo. CODEMSTR.
- Ostrom, Steve. "A Newfangled Maze"; CoCo1/CoCo2/CoCo3; February 1990, p.50. A maze that uses numbers for directional clues. MAZEWAY.
- Ostrom, Steve, "A Perfect Star": CoCo1/CoCo2/CoCo3: March 1990, p.92. Lesson in trigonometry and CoCo graphics. TRIG1. Ottum, J.A. "From Screen to Printed Page": CoCo1/CoCo2/ CoCo3; February 1990, p.83. A utility that lets you print straight from the screen. PRT.
- Ottum, J.A. "Habla Espanol?"; CoCo1/CoCo2/CoCo3; July 1989, p.29. CoCo accepts commands in Spanish, ESPANOL.
- Page, Stephen. "Flipper09"; CoCo1/CoCo2/CoCo3; December 1989, p.106. Game, try to have more colored pieces on board than opponent. FLIPER09.
- Parker, Jeffrey, "OS-9 Survival Training": August 1989, p.66. Overview of OS-9 and available hardware and software
- Parker, Jeffrey. "Play It Again, CoCo"; December 1989, p.74. A close look at MIDI.
- Parker, Jeffrey. "RAINBOWfest Reporter"; September 1989, p.73. Chicago 1989 'test report-Parker, Jeffrey. "RAINBOWfest Reporter"; March 1990, p.34.
- Somerset 1989 'fest report.
  Pendall, Joseph. "And Along Came a Spider"; CoCo3; April 1990,
- p.48. Graphics program. SPIDERS.
  Pendall, Joseph. "Quickgrass"; CoCo1/CoCo2/CoCo3; January
- 1990, p.38. Game of cutting grass before it grows too long. QGRASS.
- Pendall, Joseph. "Spray Can"; CoCo1/CoCo2/CoCo3; October 1989, p.60. Graphics program that draws a pattern using
- joystick button. SPRAYCAN. Perlman, Richard. "Do-It Yourself Database, Part 4"; CoCo3; April 1990, p.12. How to use the database, Part 4, CCCOs, April 1990, p.12. How to use the database. DATAB. Perlman, Richard. "Do-lt-Yourself Disk Database, Part 3"; CoCo1/
- CoCo2/CoCo3; September 1989, p.20. How to create a full-featured disk database system. CREATE.
- Phansavath, Hinh. "Running BASIC Programs Can Be a Breeze"; CoCo1/CoCo2/CoCo3; February 1990, p.36. Run BASIC pro-
- grams with one keystroke. MCP.

  Pittman, Larry. "Larry's' Labeler"; CoCo1/CoCo2/CoCo3; May 1990, p.46. Organizing your collection of floppy disks. DIABEL.

  Pollock, Grahame. "Up-Down LIST"; CoCo1/CoCo2/CoCo3; July
- 1989, p.106. Utility to allow scrolling through LLISTings
- 1989, p.10c. Uunity to anow soroning analysis UPDNLIST.

  Porter, John. "Mortgage"; CoCo1/CoCo2/CoCo3; March 1990, p.63. Mortgage calculation program. MORTGAGE.

  Pucella, Ric. "Hi-Res Graphics"; CoCo3; November 1989, p.41.

  Utility to save HSCREENs. HRGCOM.

  Utility to Save HSCREENs. HRGCOM.
- Puckett, Dale. "KISSable OS-9"; CoCo3; July 1989, p.138. "Adding Fireworks to Find". LOCATE.
- Puckett, Dale. "KISSable OS-9"; August 1989, p.122. "OS-9 Makes Big Showing at Chicago"
- Puckett, Dale. "KISSable OS-9"; CoCo3; September 1989, p.114. "MaxIc in Multi-Vue". MAXIC. Puckett, Dale. "KISSable OS-9"; CoCo3; October 1989, p. 110.
- "More on Maxic and OS-9 Hits the Mac". TANDY.
  Puckett, Dale. "KISSable OS-9"; CoCo3; November 1989, p.112.
- "Clearing the Board". GETICON. Puckett, Dale. "KISSable OS-9"; December 1989, p.110. "OS-9
- Takes Bean Town". Puckett, Dale. "KISSable OS-9"; January 1990, p.117. "Are Your
- Programs Headed for a Breakdown? Puckett, Dale, "KISSable OS-9": March 1990, p.65, "Rumors from
- Rainbowfest".
  Puckett, Dale. "KISSable OS-9"; CoCo3; April 1990, p.52. "A New
- Look for OS-9". MVFINANCE.

  Quellhorst, George. "Peg Mel"; CoCo3; December 1989, p.26.

  CoCo version of Hi-Q. COCO-Q.
- Reichert, Kevin. "Captivating Captions"; CoCo3; November 1989, p.58. Makes labels for photos. CAPTION.
  Ricketts, Steve. "To the Rescue"; CoCo1/CoCo2/CoCo3; March
- 1990, p.54. Aid for lost files on crashed disks. COCOCLN. Ries, Richard. "Carte Blanche"; CoCo3; March 1990, p.118.
- Menu-building program for BASIC09. CARTE\_BLANCH.
  Ries, Richard. "Printing the Unprintable"; CoCo1/CoCo2/CoCo3; December 1989, p.121. A filter program for odd characters. READ.B.
- Rodriguez, Alejandro. "No Smoking!"; CoCo3; November 1989, p.40. Graphics animation of No Smoking sign. NOSMOKE.
- Rumpel, Kathy. "Balancing the Budget"; CoCo1/CoCo2/CoCo3; February 1990, p.40. Print a journal for your accounting needs. JOURNAL
- Rumpel, Kathy. "Steady Aim Fire"; CoCo3; April 1990, p.50. Shoot-em-up game. BIRD.
  Saksa, Jonathan. "Do You Have The Time?"; CoCo3; January
- 1990, p.46. A calendar program to help you organize your time. CALENDAR.
- Scerbo, Fred. "Wishing Well"; CoCo1/CoCo2/CoCo3; July 1989, p.91. "Getting the Whole Picture on Fractions". FRACTION.
  Scerbo, Fred. "Wishing Well"; CoCo1/CoCo2/CoCo3; August 1989, p.104. "More Time Applications". REALTIME.
- Scerbo, Fred. "Wishing Well"; CoCo1/CoCo2/CoCo3; September 1989, p.66. "CoCo Teaches Kids to Just Say No". NODRUGS
- Scerbo, Fred. "Wishing Well"; CoCo1/CoCo2/CoCo3; October

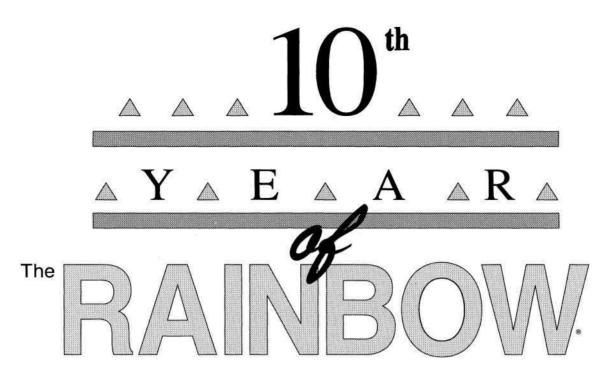
- 1989, p.48. "Meteor Storm 3". METEOR3.
- Scerbo, Fred. "Wishing Well"; CoCo1/CoCo2/CoCo3; November 1989, p.54. Machine Language Tricks from a BASIC Game: Star Siege II. SIEGE2.
- Scerbo, Fred. "Wishing Well"; CoCo1/CoCo2/CoCo3; December 1989, p.60. "Learning Letters". UPLOCASE.
  Scerbo, Fred. "Wishing Well"; CoCo1/CoCo2/CoCo3; January 1990, p.42. "Learn to Give and Take". DRILLER3.
- 1990, p.42. "Learn to Give and Take". DRILLER3. Scerbo, Fred. "Wishing Well"; CoCo1/CoCo2/CoCo3; February 1990, p.62. "Music Class 101". MUSIC101. Scerbo, Fred. "Wishing Well"; CoCo1/CoCo2/CoCo3; March 1990, p.12. "Right on Time". WATCH.
- 1990, p.12. "Right on Time". WATCH.
  Scerbo, Fred. "Wishing Well"; CoCo1/CoCo2/CoCo3; April 1990,
  p.118. "It Strikes a Chord". MUSIC102.
  Scerbo, Fred. "Wishing Well"; CoCo1/CoCo2/CoCo3; May 1990,
  p.36. "A Real Clef Hanger". MUSIC103. Scerbo, Fred. "Wishing Well"; CoCo1/CoCo2/CoCo3; June 1990,
- Scerbo, Fred. "Wishing Well"; CoCo1/CoCo2/CoCo3; June 1990, p.22. "Learning Letter Sequence". BETWEEN.
  Seats, Darrin. "The Memo Maker"; CoCo1/CoCo2/CoCo3; January 1990, p.37. Put notes on disk. MEMOMAKE.
  Severs, Roger. "Keeping a Tab on Your Tap"; CoCo1/CoCo2/CoCo3; April 1990, p.48. Figuring water bills. WATER.
  Shaulis, Jerry. "Bank & Budget"; CoCo1/CoCo2/CoCo3; February 1990, p.74. Helps maintain your checkbook. CHECK1.
- Speight, Kevin. "Mind Master"; CoCo3; September 1989, p.62.
- Selects a four-digit code for you to break. MINDMSTR.
  Spiller, Jeremy & Spiller, Marty. "The Mandelbrot Bug and CoCo
  3 Microscope"; CoCo3; January 1990, p.76. A geometric look at chaos. MANDEL.
  Staff. "Anniversary Special: One-Liner Insert"; CoCo1/CoCo2/
- CoCo3; July 1989, p. 131. A collection of one-liners. Staff. "Did You Hear the One About Hints & Tips?"; January 1990,
- p.60. Hints, tips and one-liners.
  Staff. "Reader Survey"; November 1989, p.124. General survey of CoCo readers' use and opinions..
  Staff. "The Heat is On!"; July 1989, p.26. A midyear buyers guide
- to new games and game hardware.

  Stakelin, James. "The Base Converter"; CoCo1/CoCo2/CoCo3;
- January 1990, p.34. Converts number bases quickly and easily. CONVERT.
- Stanwood, Ron. "Color Your CoCo World"; CoCo3; July 1989, p.66. Utility to transfer PMODE 3 & 4 screens to CoCo 3 HSCREENS. MULTIRES. Stephens, Bryan. "Show the Facts"; CoCo3; April 1990, p.67. 3-
- D bar-graph program. 3DGRAPH.
  Stuart, John. "The Total Figure"; CoCo1/CoCo2/CoCo3; February 1990, p.26. A full-featured spreadsheet. COCOCALC.
  Sunderlin, Mark. "A CLS Command for OS-9"; CoCo1/CoCo2/
- CoCo3; July 1989, p.128. Adding a speedy assembly language CLS to the system. CLS.
- Swinefurth, Chris. "Type Does Windows"; CoCo3; June 1990, p.36. A utility to switch window types in a hurry. TYPE.C. Tandy Home Computer. "Multi-Vue and Pre-Existing Applica-
- tions"; CoCo3; December 1989, p.38. Aid for getting more out of Multi-Vue. EDIC.
  Thomas, Scott. "Innovation Along the Border"; CoCo1/CoCo2/
- CoCo3; January 1990, p.106. Creates border along stationery.
- Thompson, Ernie, "Now, Where Was I?": CoCo1/CoCo2/CoCo3: August 1989, p. 108. Prints format to keep track of programs,
- articles, comments. RBOWLIST.

  Tinklepaugh, Dale. "Draw it Quickl"; CoCo1/CoCo2/CoCo3;

  August 1989, p.24. Draws in High-Res, creates file of BASIC Statements. QUIKDRAW. Turner, Robert Allen. "CoCoTyper"; CoCo1/CoCo2/CoCo3; May
- 1990, p.58. Turn CoCo into a typewriter for those short notes. COLRTYPE. Vandall, Michael. "Graphics in a Hurry"; CoCo3; October 1989,
- p.26. Converts artwork on graphics screen into BASIC code. GRAPHPRO. Veal, Evan. "The Black Box"; CoCo1/CoCo2/CoCo3; August
- 1989, p.26. Computer hides five balls in a box and you must find them. BLACKBOX. Weaver, Dan. "Automile"; CoCo1/CoCo2/CoCo3; November 1989,
- p.40. Figures miles per gallon. AUTOMILE. Webb, Mark. "The Guessing Game"; CoCo3; May 1990, p.50. A
- one-player game of choosing colors. MINDSTIM. leide, Dennis. "A CoCo Digital Logic Analyzer, Part 1"; CoCo1/
- CoCo2/CoCo3; March 1990, p.26. Hardware project for circuit construction and debugging. TESTIF.
  Weide, Dennis. "Completing the Analyzer Project"; CoCo1/CoCo2/
- CoCo3; April 1990, p.72. Tool for testing low-speed logic circuits. ANALYZER. Wells, John T. "Cutting Corners"; CoCo3; April 1990, p.50. A
- familiar game. CHASE. Wolf, Eric. "Where's the Matching Box?"; CoCo3; Februar p.88. A two-player game of concentration. CCTRATE. "Where's the Matching Box?"; CoCo3; February 1990,
- Wolf, Eric. "Worm Invaders from Space"; CoCo3; March 1990, p.18. An arcade-action game. WORMINVD.
- Wong, Thomas. "Bowling"; CoCo3; July 1989, p. 103. A CoCo 3 bowling game. BOWLING.
  Wong, Thomas. "Gopher Smash"; CoCo3; January 1990, p.37.
  Kill gophers as they pop out of boxes. SMASH.
- Wulfsberg, Bruce. "From Fractures to Fractions"; CoCo1/CoCo2/CoCo3; February 1990, p.12. Program that reduces fractions
- to their lowest form. FRACTION.
  Yates, Jerry. "USTime & StripBin"; CoCo1/CoCo2/CoCo3; August 1989, p.22. Utility, sets up time as "January 3, 1989 9:23:45 am/pm". USTIME.

  Zumwalt, Greg. "Breaking the 32K Barrier"; June 1990, p.58. A look at the 64K plus ROM Paks.



# An index to the articles, reviews and authors appearing in issues of THE RAINBOW from July 1990 to June 1991.

This is the eighth index to THE RAINBOW. Previous indices appear each July, starting with the July 1984 issue. To complete your RAINBOW library, you'll find more information on how to get back issues with your favorite programs and articles on Page 63 of this issue.

#### **BUSINESS**

Tinklepaugh, Dale. "Bond Calculator"; CoCo1/CoCo2/CoCo3; 1991, p.56. Computerized guidance for calculated risks, BONDCALC

# COMMUNICATIONS

Boudreaux, Andrew T. "CoCo TV"; CoCo1/CoCo2/CoCo3; December 1990, p.62. Start your own cable-TV series with help from a friend. HEADER.

Issel, Jim K. "Terminal Entries"; November 1990, p.62. Get a handle on some current communications programs.

Kessler, Gary C "Brief Introduction to Modems, A"; November 1990, p.12. Introduction to data communications using modern

Kuns, Eddie. "Database Report"; July 1990, p.62. "Binary Pot-

Kuns, Eddie. "Database Report"; August 1990, p.14. "Uploads Galorel"

Kuns, Eddie. "Delphi Bureau"; September 1990, p.70. "Online Interactions'

Kuns, Eddie. "Delphi Bureau"; October 1990, p.68. "New Machines Coming

Kuns, Eddie. "Delphi Bureau"; November 1990, p.58. "New Del-phi Rates". Kuns, Eddie. "Delphi Bureau"; December 1990, p.58. "The Delphi

Kuns, Eddie. "Delphi Bureau"; March 1991, p.61. "The Mad

Kuns, Eddie, "Delphi Bureau": April 1991, p.54, "Conference". Eddie. "Delphi Bureau"; May 1991, p.22. "Conference

Control" Kuns, Eddie. "Delphi Bureau"; June 1991, p.22. "Online Effi-

ciency". Olive, Tony. "Going Online: Primed and Ready"; November 1990,

p.46. A quick look at a first-timer's online discoveries.

Smith, Jay. "Cracking the Nautical Code"; CoCo3; August 1990, p.10. A BASIC program that teaches you international code flags. CODEFLAG.

#### **EDITORIAL COMMENT**

Augsburg, Cray. "Wrapping the Rainbow"; July 1990, p.92. "Debugging THE RAINBOW". Augsburg, Cray. "Wrapping the Rainbow"; August 1990, p.95. "The Tenth Round".

Augsburg, Cray. "Wrapping the Rainbow"; October 1990, p.95 "The Year Ahead".

Augsburg, Cray. "Wrapping the Rainbow"; April 1991, p.75. "Unwrapping the RAINBOW".
Falk, Lonnie. "Print#-2"; July 1990, p.8. "Happy Anniversary".
Falk, Lonnie. "Print#-2"; August 1990, p.8. "A Bright Horizon".

Falk, Lonnie. "Print#-2"; September 1990, p.8. "It All Started With Education

Falk, Lonnie. "Print#-2"; October 1990, p.8. "Graphically Speakina"

ralk, Lonnie. "Print#-2"; November 1990, p.8. "World Net". Falk, Lonnie. "Print#-2"; December 1990, p.8. "Unto What Far Harbor?"

Falk, Lonnie. "Print#-2"; January 1991, p.8. "Keeping the Spirit". Falk, Lonnie. "Print#-2"; February 1991, p.8. "Documented Evidence"

Falk, Lonnie. "Print#-2"; March 1991, p.8. "Come One, Come All". Falk, Lonnie. "Print#-2"; April 1991, p.8. "CoCo Hits a High Note". Falk, Lonnie. "Print#-2"; May 1991, p.8. "My First Printer". Falk, Lonnie. "Print#-2"; June 1991, p.8. "Binary Blueprints".

# **EDUCATION**

Blyn, Steve. "Education Notes"; CoCo1/CoCo2/CoCo3; July 1990, p.86. "Search the World Over". MAP.
Blyn, Steve. "Education Notes"; CoCo1/CoCo2/CoCo3; September 1990, p.46. "The Melting Pot". AMERICAN.
Blyn, Steve. "Education Notes"; CoCo1/CoCo2/CoCo3; November 1990, p.54. "Check Your Calendar". CALENDAR.
Blyn, Steve. "Education Notes"; CoCo1/CoCo2/CoCo3; January 1991, p.34. "A Trip to the Post Office". MAIL.
Carrock, Solla. "Fishing for the Right Words"; CoCo1/CoCo2/CoCo3; January 1991, p.64. Try your creative hand at writing poetry. FISHBOWL.
Meijering, Rudy. "Solid Foundation in Chemistry"; CoCo3; February 1991, p.66. CoCo becomes a chemistry tutor. CHETU-

ary 1991, p.66. CoCo becomes a chemistry tutor. CHETU-

TOR.
Scerbo, Fred B. "Wishing Well"; CoCo1/CoCo2/CoCo3; August 1990, p.30. "EZ-Thello Plays Back". EZTHEL02.
Scerbo, Fred B. "Wishing Well"; CoCo1/CoCo2/CoCo3; September 1990, p.36. "Money in Math". MATHGEN3.
Scerbo, Fred B. "Wishing Well"; CoCo1/CoCo2/CoCo3; October 1990, p.34. "Between Numbers". BETWEEN2.
Scerbo, Fred B. "Wishing Well"; CoCo1/CoCo2/CoCo3; November 1900, p.66. "CoCo Tours to States". STATES.

Scerbo, Fred B. "Wishing Well"; CoCo1/CoCo2/CoCo3; November 1990, p.66. "CoCo Tours the States". STATES.
Scerbo, Fred B. "Wishing Well"; CoCo1/CoCo2/CoCo3; December 1990, p.28. "The Tour Continues". MATCH50.
Scerbo, Fred B. "Wishing Well"; CoCo1/CoCo2/CoCo3; January 1991, p.40. "Visualizing Fractions 2". VISFRAC2.
Scerbo, Fred B. "Wishing Well"; CoCo1/CoCo2/CoCo3; February 1991, p.40. "Visualizing Fractions 3". VISFRAC3.
Scerbo, Fred B. "Wishing Well"; CoCo1/CoCo2/CoCo3; March 1991, p.20. "Visualizing Fractions 4". VISFRAC4.
Scerbo, Fred B. "Wishing Well"; CoCo1/CoCo2/CoCo3; April 1991, p.58. "Lifeskills 7". LIFESKL7.

#### **GAMES**

Becker, Rob. "Who Dunnit?"; CoCo1/CoCo2/CoCo3; August 1990, p.67. Find the clues with this detective game. TECTO.

Bloedow, Grant. "Stevedores"; CoCo3; November 1990, p.10. A ship-shape version of a popular Russian game. STEVEDOR. Bush, James. "Easy Come, Easy Go;" CoCo1/CoCo2/CoCo3; April 1991, p.20. Betting with a Solitaire card game. EASYGO. Carroll, James R. "Blackjack"; CoCo1/CoCo2/CoCo3; March 1991, p.10. Play a winning round. BLAKJACK.

Cooper, Rick. "All the Knight Moves"; CoCo3; October 1990, p.92. An original idea for chess players. CHESSIQ.

An original loca for crises players. CPESSIQ.

Delbourgo, Bob. "In the Name of Equality"; CoCo1/CoCo2/CoCo3;

January 1991, p.61. A number-scramble game. EQUALITY.

Harris, Dale. "Banzail"; CoCo3; September 1990, p.18. Earn a black belt in joystick karate. KARATE.

Harris, Warren & Harris, Neil. "KnightShift"; CoCo1/CoCo2/CoCo3; May 1991, p.16. A game of medieval conquest.

KNIGHT.

KNIGHT.

Hegberg, Joel Mathew. "Better Letters"; CoCo3; December 1990, p.46. Build more interconnected words to win. ADD-ON.

Hoin, Dennis. "Make or Break"; CoCo1/CoCo2/CoCo3; June 1991, p.65. Get ahead in this real-life game. SCREEN51. Quellhorst, George. "Pyramid"; CoCo3; May 1991, p.78. An addictive, easy-to-play solitaire game. PYRAMID.

Ridings, David. "Tic-Tac"; CoCo3; April 1991, p.50. A game classic TIC-TAC.

addictive, easy-tu-pray sometic grants. Ridings, David. "Tic-Tac"; CoCo3; April 1991, p.50. A game classic TIC-TAC

Scerbo, Fred B. "Wishing Well"; CoCo1/CoCo2/CoCo3; July 1990, p.54. "Old Game, New Twist". EZTHELLO.

Stakelin, Il Carl J. "Knight's Errant"; CoCo3; July 1990, p.90. Doin'

the white/black shuffle. KNIGHT.
Steidl, Jeff. "Just Between Terminals"; CoCo1/CoCo2/CoCo3;

July 1990, p.28. Play the role of a data communications chip DATATRAN.

Webb, Mark. "Darts"; CoCo3; February 1991, p.83. Throw darts on (not at) your CoCo's screen. DARTS.

#### **GENERAL**

Augsburg, Cray. "Printer Primer, The"; May 1991, p.28. A guide to printer terms and features. Goff, Kelly. "Ninth Year of Rainbow, The"; July 1990, p.64. An

index of articles, programs, reviews, and authors. ers, Nancy. "Stuff"; August 1990, p.92. A computer widow's Myers, Nancy.

Rainbow Staff. "RAINBOWfest 1990"; March 1991, p.48. Photos from the Chicago 1990 show

#### **GRAPHICS**

Curtis, H. Allen, "Ultralace, the First Loop": CoCo3: May 1991. p.10. The ultimate shoestring desktop publisher. GENFMENU.
Curtis, H. Allen. "Ultralace: the Second Loop"; CoCo3; June 1991,

p.51. Programs that create the Design menu and screen dumps. GENDMENU.

George, Tom. "Picture This!"; CoCo3; October 1990, p.10. Spectra 3: full-featured graphics editor. MAKESPEC. Hunt, Matthew. "Plota Lot"; CoCo3; September 1990, p.10. Make abstract math formulas concrete. GRAPH.

Ludwig, John. "Doublewide"; CoCo1/CoCo2/CoCo3; August

- 1990, p.44. Print double graphics screens side-by-side. DBLWIDE.
- Stroffolino, Phil. "Jumpman"; CoCo1/CoCo2/CoCo3; February 1991, p.28. A quick look at the basics of graphics animation. JUMPMAN
- Wolf, Eric A. "Pie Plotter"; CoCo3; January 1991, p.83. Create your own pie charts. PIECHART.

#### **HARDWARE**

- Boone, Ken. "CoCo Data Logger"; CoCo3; March 1991, p.16. Monitor real-world events. COCODL. Distefano, Tony. "Turn of the Screw"; August 1990, p.48. "Build Your Own EPROM Programmer".
- Distefano, Tony. "Turn of the Screw"; September 1990, p.66. "EPROM Programmer, Part II". Distefano, Tony. "Turn of the Screw"; CoCo1/CoCo2/CoCo3;
- Distefano, Tony. "Turn of the Screw"; CoCo1/CoCo2/CoCo3; October 1990, p.64. "EPROM Programmer, Part III". MA-KEPROM.
- Tony. "Turn of the Screw"; December 1990, p.52.
- "EPROM Programmer Handbook".
  Distefano, Tony. "Turn of the Screw"; January 1991, p.36. "How Cold Is It?"
- Distefano, Tony. "Turn of the Screw"; March 1991, p.31. "How Cold Is It?: Part II".
- Distefano, Tony. "Turn of the Screw"; May 1991, p.46. "Multiple Ato-D Input".
- Distefano, Tony. "Turn of the Screw"; June 1991, p.58. "On CoCo Time"
- Goodman, Marty. "A Monitor for the CoCo 3"; March 1991, p.14. Goodman, Marty. A Monitor for the CoCo 3; March 1991, p.14. An update on monitors for the CoCo 3. Houk, Cecil C. "MIDI Mods"; April 1991, p.62. Fighting back against barely sufficient synthesizer designs. Lorbieski, Richard. "Turbo Light"; May 1991, p.53. A bright idea for monitoring clock speed on the CoCo 3. Merryman, Robert C. "Disk Controller ROM Selector"; March

- 1991, p.34. Switch between two disk ROMs
- Phillips, Charles F. "Soldering Fundamentals": March 1991, p.44. Soldering tips for the hardware tinkerer.

#### **HOME APPLICATION**

Wyss-Gallifent, S. "Doc Reader"; CoCo3; May 1991, p.49. View and print text files quickly and easily. READDOC.

#### HOME APPLICATIONS

- Dufur, Glen. "Home Budget Analyst 4.0"; CoCol /CoCo2/CoCo3; February 1991, p.10. Record and maintain your personal budget. BUDGET.
- Hart, Timothy W. "Handy Labeler"; CoCo3; July 1990. p.10. LABEL
- Haverstock, Mark & Wills, Bill. "CoCo Home Video Companion"; December 1990, p.10. Let the CoCo 3 create titles, credits, graphics for videos.
- Perlman, Richard. "Do-lt-Yourself Database, Part V"; CoCo1/ CoCo2/CoCo3; July 1990, p.36. A database to track house-hold financial information. RETRV.
- Walters, Francis M. "Spread a Sheet for Heat Loss"; CoCo1/ CoCo2/CoCo3; September 1990, p.60. Using spreadsheets for heat-loss calculations

#### **MUSIC**

- Pillot, Giancarlo. "Music Catalog"; CoCo1/CoCo2/CoCo3; November 1990, p.56. An instrumental program for tracking your
- Quellhorst, George. "Resounding CoCo"; CoCo3; April 1991, p.10. A graphical rewite of Music+. MUSIC3+.

#### **NOVICES NICHE**

- Barberian, Richard. "Weights on Other Planets"; CoCo1/CoCo2/ CoCo3; February 1991, p.91. Weight computation for all heavenly bodies. WEIGHTS.

  Barberian, Richard. "Your Age in Days"; CoCo1/CoCo2/CoCo3;
- November 1990, p.26. Calculate your current day age.
- Bartels, Andrew. "Border Color Change"; CoCo3; January 1991, p.24. A utility to enhance CoCo 3 screen displays. BORDER.
- Bernico, Bill. "Hi-Res Input Editor"; CoCo3; October 1990, p.37.
  Allow user input on the Hi-Res screen. INPUT3.
  Bernico, Bill. "Winning Combo, A"; CoCo3; October 1990, p.37.
  Create your own dice. DICE.
  Braxmaier, Jay. "Color Ball"; CoCo1/CoCo2/CoCo3; September 1990, p.59. Play pinball with a paddle instead of a flipper. COLRBALL.
- COLRAGL:
  Cho, Jamie L. "Module Buster"; CoCo1/CoCo2/CoCo3; January
  1991, p.94. An OS-9 utility that breaks down files of merged
  modules. BUST.B09.
  Coolman, William W. "Bank Account"; CoCo1/CoCo2/CoCo3;
- February 1991, p.38. A simple program to help balance your checkbook. BANK.

  Davis, Shawn M. "Directory Alphabetizer"; CoCo1/CoCo2/CoCo3;
- January 1991, p.55. Arrange disk filenames in alphabetical order, DIRALPHA.
- Ebacher, Jerome. "Addition"; CoCo1/CoCo2/CoCo3; September 1990, p.93. Timing drills to improve math skills. ADDITION.
  Elliott, Phil. "Coloring"; CoCo3; January 1991, p.44. Use your own colors to fill designs on the graphics screen. ING.

- Enger, David C. "Quick Directory Sorter"; CoCo1/CoCo2/CoCo3; February 1991, p.54. A machine-language, directory-sorting
- utility. DIRSORT.
  Estrado, Richard. "Freedom"; CoCo1/CoCo2/CoCo3; April 1991, p.53. A graphics program of randomly-moving snake lines FREEDOM.
- Fingliss, Douglas. "Craps"; CoCo1/CoCo2/CoCo3; March 1991, p.57. A game of rolling the dice. CRAPS.
- Friesen, Geoff. "Automatic Error Entry"; CoCo3; February 1991, p.92. Enter the EDIT mode automatically on error
- 1991, p.92. Enter the EDIT mode automatically on error detection. AUTOERR.
  Friesen, Geoff. "Descriptive Error Messages"; CoCo3; October 1990, p.51. User-friendly error messages. ERRMSG.
  Friesen, Geoff. "Last Line Recall"; CoCo3; October 1990, p.87.
  Redisplay the last command line you entered under BASIC. LASTINE
- Friesen, Geoff. "Line Copy"; CoCo1/CoCo2/CoCo3; August 1990, p.70. Copy single BASIC program lines from place to place. LCOPY
- Friesen, Perry, "Music Test": CoCo3: April 1991, p.31, Learn the
- Friesen, Peny. Music Test, Cocos, April 1991, p.1. Learn the lines and spaces on the bass and treble clefs. MUSICTST. Hennon, Tim. "Music Grid"; CoCo3; April 1991, p.60. Create random musical tones and flashing lights. MUSCGRID. Hooper, Marvin. "Compound Interest"; CoCo1/CoCo2/CoCo3;
- May 1991, p.55. A simple program to compound interest for specific periods. COMP INT.

  Johnson, Neil. "Slot Machine"; CoCo1/CoCo2/CoCo3; June 1991,
- p.20. A CoCo game that brings Las Vegas to you. SLOT. Kenny, Keiran. "Angles on the CoCo"; CoCo3; December 1990, p.73. An educational introduction to trigonometry. COCOT-RIG.
- Kenny, Keiran. "CoCo 3 Joystick"; CoCo3; August 1990, p.59. A
- simple joystick doodling program. JOYSTK3.

  Kenny, Keiran. "Graphics Experiments"; CoCo3; March 1991, p.78. Some hints on graphics programming. HSCR4EXP.

  Kenny, Keiran. "Hi-Res Art Pie"; CoCo3; June 1991, p.18. Learn how to determine and set screen coordinates. HIRESPIE.
- Kenny, Keiran. "Hot Gold"; CoCo1/CoCo2/CoCo3; December 1990, p.57. Find the hidden treasure. HOTGOLD. Kenny, Keiran. "Neat Labels"; CoCo1/CoCo2/CoCo3; February 1991, p.24. Print address labels from data statements. LA-
- **BFLS** Kenny, Keiran. "Peeking at 135"; CoCo1/CoCo2/CoCo3; Novem-
- ber 1990, p.75. Use Address 135 for monitoring user input.
- Knapik, Steve. "Loans": CoCo1/CoCo2/CoCo3: February 1991. p.29. Quickly find monthly payments and interest on loans. LOANS.
- Larson, Richard. "Timer"; CoCo1/CoCo2/CoCo3; February 1991,
- p.60. CoCo makes a countdown timer. TIMER. Liming, Douglas. "Pop-up Menus"; CoCo1/CoCo2/CoCo3; November 1990, p.52. Expedite the menu-creating process. POPUP
- Ling, Sharon. "Huck Bucks"; CoCo1/CoCu2/CoCu3, Bessell 1990, p.50. Make play money with the CoCo and a printer. Sharon. "Huck Bucks"; CoCo1/CoCo2/CoCo3; December нисквиск.
- HUCKBUCK.

  McCarthy, James. "Credits"; CoCo1/CoCo2/CoCo3; March 1991,
  p.9. Let CoCo roll the credits for your production. CREDITS.

  Milam, Loy. "Ohm's Law"; CoCo1/CoCo2/CoCo3; March 1991,
  p.42. Ohm's-law calculator. OHMS-LAW.

  Moore, Mike. "Directory Lister"; CoCo1/CoCo2/CoCo3; January
  1991, p.86. Send the directory listing to the printer. DIRLIST.

  Mosley, John. "Spiral"; CoCo3; August 1990, p.42. A look at
  spiralized triangles. SPIRAL.

  Musumeci, John. "Note Writer"; CoCo3; February 1991, p.92. A
  quick note and memo editor. NOTERITE.
- quick note and memo editor. NOTERITE.

  Musumeci, John. "Note Writer 2 x 40"; CoCo3; June 1991, p.16.
- Print 80-column notes and letters without the hassle. NOTE2X40.
- Reighard, Kenneth. "Air Raid"; CoCo1/CoCo2/CoCo3; Septem-
- ber 1990, p.31. A high-flying action game. RAID.
  Rogers, Robert. "Laser Cycles"; CoCo1/CoCo2/CoCo3; November 1990, p.60. An action-video game with color graphics and sound, LASER.
- Ross, James. "OS-9 File Viewer"; CoCo3; May 1991, p.9. Use keys to scroll forward and backward through ASCII files.
- Tandberg, Dan.
- Taulli, T.C. "Space Kamikaze"; CoCo1/CoCo2/CoCo3; May 1991, p.80. A shoot-'em-up arcade game of kamikaze destruction. SPACE.
- Teague, Bob. "Body Mass"; CoCo1/CoCo2/CoCo3; February 1991, p.90. Determine your optimum weight. BODYMASS. Thompson, Ernie. "Adding Machine"; CoCo1/CoCo2/CoCo3; November 1990, p.36. A printing, adding-machine program.
- Turowski, Donald. "Car Quest"; CoCo1/CoCo2/CoCo3; June 1991, p.18. The license-plate game for those trips in the car. CARQUEST.

#### **OS-9**

- Boynton, David P. "Ring the Alarm"; CoCo3; December 1990, p.41. A look at sounding the alarm under OS-9. ALARM.B09. Cheek, Joseph. "Menu System"; CoCo3; April 1991, p.38. Build your own menu system. MS.B09. Goldberg, Stephen B. "Append"; CoCo1/CoCo2/CoCo3; January
- 1991, p.68. A multi-purpose text-file utility. APPEND ASM.
  Goldberg, Stephen B. "For Your Eyes Only"; CoCo1/CoCo2/CoCo3; July 1990, p.32. Logon protection for the single-user

OS-9 system. LOG.ASM.

Goldberg, Stephen B. "Sort"; CoCo1/CoCo2/CoCo3; March 1991, p.28. A utility to sort lines in text files. SORT.ASM. Goldberg, Stephen B. "Tree Grows in OS-9, A"; CoCo1/CoCo2/

- CoCo3; February 1991, p.62. Print a directory tree for your disks. TREE.ASM.
- Jackson, Christopher. "If Wife = Sue, Bring Your Potato Salad";
- Jackson, Christopher. "If Wife = Sue, Bring Your Potato Salad";
   CoCo1/CoCo2/CoCo3; September 1990, p.83. An interpretive mail-merge utility. TSMAIL.
   Kientzle, Tim. "Displaying Picture Files OS-9, Part III"; CoCo3;
   December 1990, p.34. Another look at data-compression techniques. SETBUFFER.B0.
   Kientzle, Tim. "Displaying Picture Files Using OS-9"; CoCo3;
   November 1990, p.48. Run-length decoding techniques and displaying impages. GETLINE.
- displaying images. GETLINE.
  Kientzle, Tim. "Getting the Picture With OS-9"; CoCo3; October 1990, p.44. Picture-storage formats and displaying images

- 1990, p.44. Picture-storage formats and displaying images with OS-9. VEF.

  Law, Greg. "Breakpoint"; CoCo1/CoCo2/CoCo3; July1990, p.72. "The Missing Link".

  Law, Greg. "Breakpoint"; CoCo1/CoCo2/CoCo3; August 1990, p.72. "BASICO9 Interfacing". GETID.

  Law, Greg. "Breakpoint"; CoCo1/CoCo2/CoCo3; September 1990, p.28. "Reading and Writing". PRINTJTEST.

  Law, Greg. "Breakpoint"; CoCo1/CoCo2/CoCo3; October 1990, p.30. "Easy Access". OPEN\_TEST.

  Law, Greg. "Breakpoint"; CoCo1/CoCo2/CoCo3; December 1990, p.87. "tis the C Zen".

- Law, Greg. "Breakpoint"; CoCo1/CoCo2/CoCo3; January 1991, p.52. "The C Zen Continues". TEST\_1.C. Law, Greg. "Breakpoint"; CoCo1/CoCo2/CoCo3; February 1991, p.22. "tis Still the C Zen". READ\_TEST.C.
- Law, Greg. "Breakpoint"; CoCo1/CoCo2/CoCo3; March 1991, p.72. "The Auto Formatter". AUTO.B09.
- Law, Greg. "Breakpoint"; CoCo1/CoCo2/CoCo3; April 1991, p.28.
  "Making Directories". MAKEDIR.C.
- Law, Greg. "E Functions". Greg. "Breakpoint"; CoCo3; May 1991, p.20. "Graphics Law, Greg. "Breakpoint"; CoCo3; June 1991, p.28. "Cause for
- Law, Greg. "Breakpoint"; CoCo3; June 1991, p.28. "Cause for Arguments".
   Macias, David. "Appreciatin' Depreciation"; CoCo1/CoCo2/CoCo3; February 1991, p.46. Learn to get along with depreciation calculations. DEPRECIATE.B.
   Mikel, Jeff. "OS-9 Assembly Language"; CoCo3; June 1991, p.40. A guide for assembly-language programmer moving to OS-9. FIRST.A.
   Pittman, Larry. "Weights and Measures"; CoCo3; January 1991, p.28. Quickly convert from one type of measurement to another. MEASURE.B09.
   Puckett Dale. "KISSABLO QS-6": CoCo3; July 1990, p.48." I pan

- anorner. MIEASUKE.BU9.
  Puckett, Dale. "KISSable OS-9"; CoCo3; July 1990, p.48. "Loan Procedures for MVFinance". UPDATE1.
  Puckett, Dale. "KISSable OS-9"; CoCo3; August 1990, p.38. "CoCo 3 Does Windows".
- "CoCo 3 Does Windows".

  Puckett, Dale. "KISSable OS-9"; CoCo3; September 1990, p.39.
  "OS-9 Gets the Grades", GRADEBOOK.

  Puckett, Dale. "KISSable OS-9"; CoCo3; October 1990, p.58.
  "OS-9 Graphics Primitives". OBJECTS.SCR.
  Puckett, Dale. "KISSable OS-9"; CoCo3; November 1990, p.27.
  "Automating the Online Experience". MENUSETUP.

  Puckett, Dale. "KISSable OS-9"; December 1990, p.21. "Legends of the C."

- of the C".

  Puckett, Dale. "KISSable OS-9"; CoCo3; January 1991, p.46. "Basic Instructions"

#### **PROGRAMMING**

- Barden, William. "Barden's Buffer"; CoCo1/CoCo2/CoCo3; July 1990, p.20. "Son of Perplexing Puzzles". COINTOSS.
  Barden, William. "Barden's Buffer"; August 1990, p.60. "The
- Future of the CoCo".
- Barden, William. "Barden's Buffer"; CoCo1/CoCo2/CoCo3; September 1990, p.32. "The Sound of the Touch". KEYPAD.

  Barden, William. "Barden's Buffer"; October 1990, p.38. "Pro-
- Barden, William. "Barden's Buffer"; October 1990, p.38. "Programming Structure".

  Barden, William. "Barden's Buffer"; CoCo1/CoCo2/CoCo3; November 1990, p.40. "CoCos and LaserJets". CCGRAPH.

  Barden, William. "Barden's Buffer"; CoCo1/CoCo2/CoCo3; December 1990, p.54. "Contest Results". CARDPUZL.

  Barden, William. "Barden's Buffer"; CoCo3; April 1991, p.32. "EZ Assembler". EZASM.

  Barden, William. "Barden's Buffer"; CoCo3; May 1991, p.38. "Ilsing FZASM". CIRSCN.
- "Using EZASM". CLRSCN.
- Barden, William. "Barden's Buffer"; CoCo3; June 1991, p.60. "EZ Assembler Guidebook". SORTDRV. Barnes, James. "Frustration Extinguisher"; CoCo1/CoCo2/ CCO3; August 1990, p.36. A quickie listing formatter. LIS-
- TFR Bergmann, Dean. "Life Without Line Numbers"; CoCo1/CoCo2/ CoCo3; August 1990, p.64. Will the virtues of BASIC09 never
- coase, PRINTNAME.

  Isted, Bruce. "CoCo 3 GIME CART\* IRQs Explained"; CoCo3; August 1990, p.20. A software technique that ends cartridge-interrupt problems. IRQPOLLASM.

  Law, Greg. "Organized Chaos"; June 1991, p.10. Programming techniques

- Law, Greg. "Organized Chaos"; June 1991, p.10. Programming techniques.

  Nee, William P. "Assembly Line, The"; CoCo1/CoCo2/CoCo3; September 1990, p.48. Simulating movement and change in the game of life. EATING1.

  Nee, William P. "Assembly Line, The"; CoCo1/CoCo2/CoCo3; October 1990, p.54. Teaching your computer to read and modify BASIC. INPUT.

  Nee, William P. "Assembly Line, The"; CoCo1/CoCo2/CoCo3; October 1990, p.54. Teaching your computer to read and modify BASIC. INPUT.
- November 1990, p.32. An imaginary machine (Turing) comes to life. TURING1.
- Nee, William P. "Assembly Line, The"; CoCo1/CoCo2/CoCo3; February 1991, p.30. Graphing with a permutation of Mandelbrot. MANDEL1. Nee, William P. "Assembly Line, The"; CoCo1/CoCo2/CoCo3; March 1991, p.51. Moving and twisting pictures on the graphics screens. WARP1.
- Nee, William P. "Assembly Line, The"; CoCo1/CoCo2/CoCo3;

May 1991, p.56. Food for thought in the game of life. PREDATOR.

Nee, William P. "Assembly Line, The"; CoCo1/CoCo2/CoCo3; June 1991, p.76. Searching word puzzles. WORDPUZL Nee, William P. "Assembly Line, The,"; CoCo1/CoCo2/CoCo3; August 1990, p.52. A machine-language, spiral-graph pro-

gram, SPIR01

Zore, Ernest F. "Programming Quick Tips"; July 1990, p.61.

#### QUESTION & ANSWER

Boeldt, Larry. "BASICally Speaking"; July 1990, p.26. Error-Trapping Troubles. Goodman, Marty. "CoCo Consultations"; July 1990, p.58. "Bridge

the 68000 Gap. Goodman, Marty. "CoCo Consultations"; August 1990, p.62. "Hard Drives for 68K".

Goodman, Marty. "CoCo Consultations"; September 1990, p.52.

"Programming the PIAs".

Goodman, Marty. "CoCo Consultations"; October 1990, p.52.
"Disk-Drive Blues".

Goodman, Marty. "CoCo Consultations"; November 1990, p.24. "Shifting Gears".
Goodman, Marty. "CoCo Consultations"; December 1990, p.68. "GIME Ghostbusters".

Goodman, Marty. "CoCo Consultations"; January 1991, p.56. "Best Timing for 512K". Goodman, Marty. "CoCo Consultations"; February 1991, p.94. "Disk Drive Power".

Goodman, Marty. "CoCo Consultations"; March 1991, p.38. "Sound Advice".

Goodman, Marty. "CoCo Consultations"; April 1991, p.46. "Modem Upgrades"

Goodman, Marty. "CoCo Consultations"; May 1991, p.42. "Memory

Goodman, Marty. "CoCo Consultations"; June 1991, p.63. "Terminal Programs".
Rainbow Staff, The. "OS-9 Hotline"; May 1991, p.34. "OS-9

#### UTILITY

Friesen, Geoff. "BASIC+"; CoCo3; June 1991, p.32. Several new commands for BASIC. MKDAT.
Jorgenson, Mike. "Disk Master 3"; CoCo3; January 1991, p.10.

Seven menu-driven utilities to take control of your system.

# REVIEWS

"1-Meg Upgrade"; August 1990, p.83.
"1990 CoCo Tax Estimator"; October 1990, p.75.
"512K Copy Utility"; January 1991, p.77.
"Arcade Factory, The"; September 1990, p.76.
"Arkanoid"; August 1990, p.76.
"Baby BASIC"; November 1990, p.71.
"Bankman"; May 1991, p.67.
"Pachacire Outer"; huly 1900, p.82. "Barbarian Quest"; July 1990, p.83.
"Bed"; April 1991, p.66.
"Brainbuster Examiner"; March 1991, p.64.
"BrainbusterTestwriter"; March 1991, p.68. "BrainbusterTestwriter"; March 1991, p.68.
"C3 Fonts"; July 1990, p.78.
"CC3FAX"; April 1991, p.68.
"CEBBS 2.1"; November 1990, p.72.
"CIII D-Link"; September 1990, p.74.
"CIII D-Link"; September 1990, p.77.
"CIII Pages Enhanced"; December 1990, p.78.
"COMERR"; February 1991, p.78.
"Caveman"; April 1991, p.70.
"Classic Solitaire"; October 1990, p.80.
"CoCo Archiver"; March 1991, p.66.
"CoCo MiDI Pro"; February 1991, p.74.
"CoCo Yahtzee"; June 1991, p.71.
"CoCothello"; June 1991, p.72.
"Connecting the CoCo to the Real World"; Decei "CoCothello"; June 1991, p.72.
"Connecting the CoCo to the Real World"; December 1990, p.80.
"DMP-PIC Utility"; July 1990, p.80.
"DS69View"; February 1991, p.72.
"DSDisk#1"; May 1991, p.70.
"Delta Pro"; May 1991, p.64.
"Directory Library"; February 1991, p.74.
"Diskette File Protector"; June 1991, p.71.
"Education Galore"; October 1990, p.78.
"EliteXfer"; October 1990, p.76.
"EliteXfer"; October 1990, p.76. "Entity, The"; December 1990, p.74.
"File Recovery System"; March 1991, p.68.
"Firespire"; November 1990, p.78.
"First Prize"; April 1991, p.64.
"Gallery Maker"; June 1991, p.73.
"Games Pack I"; November 1990, p.81. "Goldberg Utilities, The"; December 1990, p.74.
"Goodies Disk One"; February 1991, p.79.
"Grafix Disk Package"; November 1990, p.76.
"Graphics Utility"; March 1991, p.69.
"Honor Quest"; May 1991, p.69. "Hot CoCo!"; October 1990, p.72. "Inside OS-9 Level II"; August 1990, p.80.

"Keyboard Template"; September 1990, p.79.
"Killer Hawk"; July 1990, p.80.
"Kyum Gai: to be Ninja (OS-9 version)"; April 1991, p.72.
"La Belle Lucie"; February 1991, p.76.

"Labelbase"; November 1990, p.80. "Level II Tools"; April 1991, p.68.

"MVCanvas"; October 1990, p.83.
"Mailman"; January 1991, p.75.
"Master Catalog"; September 1990, p.76.
"Math.l Library"; April 1991, p.66.

"Mind-Roll"; November 1990, p.72. "Minigolf"; March 1991, p.64.

"Mixed Blessings"; February 1991, p.80. "Morse CW"; July 1990, p.74. "NFL Helmets Scrapbook"; January 1991, p.78.

"Nib Processor"; June 1991, p.73. "Notes II"; August 1990, p.81.

Nio Fricessor, Julie 1991, p.13.

Notes II"; August 1990, p.81.

OS-9 Level II BBS"; September 1990, p.74.

Overlord"; August 1990, p.78.

Picture Bingo"; May 1991, p.67.

Picture Disk 1"; February 1991, p.68.

Planet Engine Version 1.1"; December 1990, p.79.

Power Stones of Ard II"; August 1990, p.78.

Print5"; October 1990, p.78.

Print5"; October 1990, p.78.

Pyramid Solitaire"; October 1990, p.74.

"Quest for Thelda, The"; November 1990, p.83.

"Rainbow Indexes"; February 1991, p.78.

"Rampage"; November 1990, p.73.

"Rascan 2.4"; December 1990, p.73.

"Ravenlation"; October 1990, p.77.

"Scripteller"; January 1991, p.72.

"Seventh Link"; July 1990, p.74.

"Sewenth Link"; July 1990, p.74.

"SmartWatch Drivers"; June 1991, p.74.

"SmartWatch Drivers"; June 1991, p.74. "SoundTrax"; January 1991, p.76.

"SoundTrax Instrument Disks": April 1991, p.70.

"Sound Irax", January 1991, p.76.
"Sound Irax", January 1991, p.72.
"Space Ace"; January 1991, p.72.
"Space Raiders"; July 1990, p.79.
"Spectral Forces", October 1990, p.79.
"Spell Master", January 1991, p.78.
"Sprite-BASIC"; November 1990, p.78.
"Star Micronics Printer"; September 1990, p.79.
"StarPic"; January 1991, p.80.
"Super Comics+"; June 1991, p.70.
"Super Folics+", June 1991, p.70.
"Super File III"; August 1990, p.76.
"Superbook"; March 1991, p.70.
"T&D Cassette #93"; December 1990, p.74.
"T&D Issues #91 & #92"; January 1991, p.74.
"Tuty"; October 1990, p.78.
"VED/VPRINT"; February 1991, p.72.
"Wild & MV Version 2.1"; July 1990, p.77.
"Wiz, The"; November 1990, p.75.
"Word Power 3.3"; September 1990, p.72.
"Word Search"; August 1990, p.80.
"Zenix"; November 1990, p.71

# **AUTHORS**

Augsburg, Cray. "Printer Primer, The"; May 1991, p.28. A guide to

Augsburg, Cray. "Wrapping the Rainbow"; July 1990, p.92. "Debugging THE RAINBOW".
Augsburg, Cray. "Wrapping the Rainbow"; August 1990, p.95. "The Tenth Round".

Augsburg, Cray. "Wrapping the Rainbow"; October 1990, p.95.
"The Year Ahead".

Augsburg, Cray. "Wrapping the Rainbow"; April 1991, p.75. "Unwrapping the RAINBOW".

Barberian, Richard. "Weights on Other Planets"; CoCo1/CoCo2/

CoCo3; February 1991, p.91. Weight computation for all heavenly bodies. WEIGHTS.

Barberian, Richard. "Your Age in Days"; CoCo1/CoCo2/CoCo3; November 1990, p.26. Calculate your current day age. AGEDAYS.

AGEDAYS.

Barden, William. "Barden's Buffer"; CoCo1/CoCo2/CoCo3; July 1990, p.20. "Son of Perplexing Puzzles". COINTOSS.

Barden, William. "Barden's Buffer"; August 1990, p.60. "The Future of the CoCo".

Barden, William. "Barden's Buffer"; CoCo1/CoCo2/CoCo3; September 1990, p.32. "The Sound of the Touch". KEYPAD.

Barden, William. "Barden's Buffer"; October 1990, p.38. "Programming Structure".

gramming Structure".
Barden, William. "Barden's Buffer"; CoCo1/CoCo2/CoCo3; No-

Bardent, William: Barden's Buffer; CoC01/CoC02/CoC03; November 1990, p.40. "CoCos and Laser Jets". CCGRAPH.
Barden, William. "Barden's Buffer"; CoC01/CoC02/CoC03; December 1990, p.54. "Contest Results". CARDPUZL.
Barden, William. "Barden's Buffer"; CoC03; April 1991, p.32. "EZ

Assembler". EZASM.

Barden, William. "Barden's Buffer"; CoCo3; May 1991, p.38.

"Using EZASM". CLRSCN.

Barden, William. "Barden's Buffer"; CoCo3; June 1991, p.60. "EZ Assembler Guidebook". SORTDRV. Barnes, James. "Frustration Extinguisher"; CoCo1/CoCo2/ CoCo3; August 1990, p.36. A quickie listing formatter. LIS-

Bartels, Andrew. "Border Color Change"; CoCo3; January 1991, p.24. A utility to enhance CoCo 3 screen displays. BORDER. Becker, Rob. "Who Dunnit?"; CoCo1/CoCo2/CoCo3; August

1990, p.67. Find the clues with this detective game. DE-TECTO.

Bergmann, Dean. "Life Without Line Numbers"; CoCo1/CoCo2/ CoCo3; August 1990, p.64. Will the virtues of BASIC09 never

cease. PRINTNAME.
Bernico, Bill. "Hi-Res Input Editor"; CoCo3; October 1990, p.37.

Allow user input on the Hi-Res screen. INPUT3.

Bernico, Bill. "Winning Combo, A"; CoCo3; October 1990, p.37.

Create your own dice. DICE.

Bloedow, Grant. "Stevedores"; CoCo3; November 1990, p.10. A.

Bloedow, Grant. "Stevedores"; CoCo3; November 1990, p.10. A ship-shape version of a popular Russian game. STEVEDOR. Blyn, Steve. "Education Notes"; CoCo1/CoCo2/CoCo3; July 1990, p.86. "Search the World Over". MAP. Blyn, Steve. "Education Notes"; CoCo1/CoCo2/CoCo3; September 1990, p.46. "The Melting Pot". AMERICAN. Blyn, Steve. "Education Notes"; CoCo1/CoCo2/CoCo3; November 1990, p.54. "Check Your Calendar". CALENDAR.

ber 1990, p.54. "Check Your Calendar". CALENDAR.
Blyn, Steve. "Education Notes"; CoCo1/CoCo2/CoCo3; January
1991, p.34. "A Trip to the Post Office". MAIL.
Boeldt, Larry. "BASICally Speaking"; July 1990, p.26. ErrorTrapping Troubles.
Boone, Ken. "CoCo Data Logger"; CoCo3; March 1991, p.16.
Monitor real-world events. COCODL.
Boudreaux, Andrew T. "CoCo TV"; CoCo1/CoCo2/CoCo3; December 1990, p.62. Start your own cable-TV series with help
from a friend. HEADER.
Boynton, David P. "Ring the Alarm"; CoCo3; December 1990,
p.41. A look at sounding the alarm under OS-9. ALARM.B09.
Braxmaier, Jay. "Color Ball"; CoCo1/CoCo2/CoCo3; September
1990, p.59. Play pinball with a paddle instead of a flipper.
COLRBALL.

Supplying the probability of the Right Words, Play pindail with a padole linstead of a hipper. COLRBALL.

Bush, James. "Easy Come, Easy Go"; CoCo1/CoCo2/CoCo3; April 1991, p.20. Betting with a Solitaire card game. EASYGO. Carrock, Solla. "Fishing for the Right Words"; CoCo1/CoCo2/CoCo3; January 1991, p.64. Try your creative hand at writing poetry. FISHBOWL.

poetry. FISHBUVIL.
Carroll, James R. "Blackjack"; CoCo1/CoCo2/CoCo3; March
1991, p.10. Play a winning round. BLAKJACK.
Cheek, Joseph. "Menu System"; CoCo3; April 1991, p.38. Build
your own menu system. MS. B09.
Cho, Jamie L. "Module Buster"; CoCo1/CoCo2/CoCo3; January

Cho, Jamie L. "Module Buster"; Coco i/Coco2/Cocos, January 1991, p.94. An OS-9 utility that breaks down files of merged modules. BUST.B09.

Coolman, William W. "Bank Account"; CoCo1/CoCo2/CoCo3; February 1991, p.38. A simple program to help balance your

February 1991, p.38. A simple program to help balance your checkbook. BANK.

Cooper, Rick. "All the Knight Moves"; CoCo3; October 1990, p.92. An original idea for chess players. CHESSIQ.

Curtis, H. Allen. "Ultralace, the First Loop"; CoCo3; May 1991, p.10. The ultimate shoestring desktop publisher. GENFMENU.

Curtis, H. Allen. "Ultralace: the Second Loop"; CoCo3; June 1991, p.10. 51. Pearsone that contact has possible to the Cocine of the Cocine p.51. Programs that create the Design menu and screen

dumps. GENDMENU.

Davis, Shawn M. "Directory Alphabetizer"; CoCo1/CoCo2/CoCo3;
January 1991, p.55. Arrange disk filenames in alphabetical order. DIRALPHA.

order. DIRALPHA.

Delbourgo, Bob. "In the Name of Equality"; CoCo1/CoCo2/CoCo3;

January 1991, p.61. A number-scramble game. EQUALITY.

Distefano, Tony. "Turn of the Screw"; August 1990, p.48. "Build Your Own EPROM Programmer".

Distefano, Tony. "Turn of the Screw"; September 1990, p.66.

"EPROM Programmer, Part II".

Distefano, Tony. "Turn of the Screw"; CoCo1/CoCo2/CoCo3;

October 1990, p.64. "EPROM Programmer, Part III". MA-

KEPROM.

Distefano, Tony. "Turn of the Screw"; December 1990, p.52. "EPROM Programmer Handbook". Distefano, Tony. "Turn of the Screw"; January 1991, p.36. "How Cold Is It?".

Distefano, Tony. "Turn of the Screw"; March 1991, p.31. "How Cold Is It?: Part II". Distefano, Tony. "Turn of the Screw"; May 1991, p.46. "Multiple A-

to-D Input". Distefano, Tony. "Turn of the Screw"; June 1991, p.58. "On CoCo

Dufur, Glen. "Home Budget Analyst 4.0"; CoCo1/CoCo2/CoCo3; February 1991, p.10. Record and maintain your personal budget. BUDGET.

Budget: BUDGE1.

Ebacher, Jerome. "Addition"; CoCo1/CoCo2/CoCo3; September 1990, p.93. Timing drills to improve math skills. ADDITION.

Elliott, Phil. "Coloring"; CoCo3; January 1991, p.44. Use your own colors to fill designs on the graphics screen. ING.

Enger, David C. "Quick Directory Sorter"; CoCo1/CoCo2/CoCo3; February 1991, p.54. A machine-language, directory-sorting utility. DIRSOPT

utility. DIRSORT.
Estrado, Richard. "Freedom"; CoCo1/CoCo2/CoCo3; April 1991,

p.53. A graphics program of randomly-moving snake lines. FREEDOM. Falk, Lonnie. "Print#-2"; July 1990, p.8. "Happy Anniversary". Falk, Lonnie. "Print#-2"; August 1990, p.8. "It All Started With Lonnie. "Print#-2"; September 1990, p.8. "It All Started With

Education'

Falk, Lonnie. "Print#-2"; October 1990, p.8. "Graphically Speaking".

Falk, Lonnie. "Print#-2"; November 1990, p.8. "World Net". Falk, Lonnie. "Print#-2"; December 1990, p.8. "Unto What Far Harbor?".

Falk, Lonnie. "Print#-2"; January 1991, p.8. "Keeping the Spirit". Falk, Lonnie. "Print#-2"; February 1991, p.8. "Documented Evi-

dence".

Falk, Lonnie. "Print#-2"; March 1991, p.8. "Come One, Come All". Falk, Lonnie. "Print#-2"; April 1991, p.8. "CoCo Hits a High Note". Falk, Lonnie. "Print#-2"; May 1991, p.8. "My First Printer". Falk, Lonnie. "Print#-2"; June 1991, p.8. "Binary Blueprints".

Fingliss, Douglas. "Craps"; CoCo1/CoCo2/CoCo3; March 1991, p.57. A game of rolling the dice. CRAPS.
Friesen, Geoff. "Automatic Error Entry"; CoCo3; February 1991, p.92. Enter the EDIT mode automatically on error detection. AUTOERR.

"Joy"; July 1990, p.76.

- Friesen, Geoff. "BASIC+"; CoCo3; June 1991, p.32. Several new commands for BASIC. MKDAT.
  Friesen, Geoff. "Descriptive Error Messages"; CoCo3; October
- 1990, p.51. User-friendly error messages. ERRMSG. Friesen, Geoff. "Last Line Recall"; CoCo3; October 1990, Redisplay the last command line you entered under BASIC.
- LASTLINE.

  Friesen, Geoff. "Line Copy"; CoCo1/CoCo2/CoCo3; August 1990, p.70. Copy single BASIC program lines from place to place. LCOPY.
- Friesen, Perry. "Music Test"; CoCo3; April 1991, p.31. Learn the
- lines and spaces on the bass and treble clefs. MUSICTST.

  George, Tom. "Picture This!"; CoCo3; October 1990, p.10. Spectra 3: full-featured graphics editor. MAKESPEC.

- tra 3: full-featured graphics editor. MAKESPEC.
  Goff, Kelly. "Ninth Year of Rainbow, The"; July 1990, p.64. An index of articles, programs, reviews, and authors.
  Goldberg, Stephen B. "Append"; CoCo1/CoCo2/CoCo3; January 1991, p.68. A multi-purpose text-file utility. APPEND.ASM.
  Goldberg, Stephen B. "For Your Eyes Only"; CoCo1/CoCo2/CoCo3; July 1990, p.32. Logon protection for the single-user OS-9 system. LOG.ASM.
- Goldberg, Stephen B. "Sort"; CoCo1/CoCo2/CoCo3; March 1991, p.28. A utility to sort lines in text files. SORT.ASM.
- Goldberg, Stephen B. "Tree Grows in OS-9, A"; CoCo1/CoCo2/ CoCo3; February 1991, p.62. Print a directory tree for your disks. TREE.ASM.
- Goodman, Marty. "A Monitor for the CoCo 3"; March 1991, p.14. An update on monitors for the CoCo 3. Goodman, Marty. "CoCo Consultations"; July 1990, p.58. "Bridge
- the 68000 Gap".

  Ondman, Marty. "CoCo Consultations"; August 1990, p.62. Goodman, Marty. "CoCo" "Hard Drives for 68K".
- Goodman, Marty. "CoCo Consultations"; September 1990, p.52. "Programming the PIAs" "CoCo Consultations"; October 1990, p.52.
- "Disk-Drive Blues".
- Goodman, Marty. "CoCo Consultations"; November 1990, p.24. "Shifting Gears". Goodman, Marty. "CoCo Consultations"; December 1990, p.68. "GIME Ghostbusters".
- Goodman, Marty. "CoCo Consultations"; January 1991, p.56. "Best Timing for 512K".
- Goodman, Marty. "CoCo Consultations"; February 1991, p.94. "Disk Drive Power".
- Goodman, Marty. "CoCo Consultations"; March 1991, p.38. "Sound Advice".

  Goodman, Marty. "CoCo Consultations"; April 1991, p.46. "Mo-
- Goodman, Marty. "CoCo Consultations"; May 1991, p.42. "Memory Goodman, Marty, "CoCo Consultations": June 1991, p.63, "Ter-
- minal Programs". rris, Dale. "Banzai!"; CoCo3; September 1990, p.18. Earn a
- Harris, Dale. black belt in joystick karate. KARATE. Harris, Warren & Harris, Neil. "KnightShift"; CoCo1/CoCo2/
- CoCo3; May 1991, p.16. A game of medieval conquest.
- Timothy W. "Handy Labeler"; CoCo3; July 1990, p.10. Hart
- Haverstock, Mark & Wills, Bill, "CoCo Home Video Companion": December 1990, p.10. Let the CoCo 3 create titles, credits, graphics for videos.
- Hegberg, Joel Mathew. "Better Letters"; CoCo3; December 1990. p.46. Build more interconnected words to win. ADD-ON.
- Hennon, Tim. "Music Grid"; CoCo3; April 1991, p.60. Co. random musical tones and flashing lights. MUSCGRID.
- Hain, Dennis. "Make or Break"; CoCo1/CoCo2/CoCo3; June 1991, p.65. Get ahead in this real-life game. SCREEN51. Hooper, Marvin. "Compound Interest"; CoCo1/CoCo2/CoCo3; May 1991, p.55. A simple program to compound interest for specific periods. COMP INT.
  Houk, Cecil C. "MIDI Mods"; April 1991, p.62. Fighting back
- against barely sufficient synthesizer designs. Hunt, Matthew. "Plot a Lot"; CoCo3; September 1990, p.10. Make abstract math formulas concrete. GRAPH.
- Issel, Jim K. "Terminal Entries"; November 1990, p.62. Get a handle on some current communications programs.

  Isted, Bruce. "CoCo 3 GIME CART\* IRQs Explained"; CoCo3;
- August 1990, p.20. A software technique that ends cartridge-
- interrupt problems. IRQPOLL.ASM.

  Jackson, Christopher. "If Wife = Sue, Bring Your Potato Salad"; CoCo1/CoCo2/CoCo3; September 1990, p.83. An interpre-
- tive mail-merge utility. TSMAIL.

  Johnson, Neil. "Slot Machine"; CoCo1/CoCo2/CoCo3; June 1991, p.20. A CoCo game that brings Las Vegas to you. SLOT.

  Jorgenson, Mike. "Disk Master 3": CoCo3; January 1991, p.10.
- Seven menu-driven utilities to take control of your system. CONFIG.
- Kenny, Keiran. "Angles on the CoCo"; CoCo3; December 1990, p.73. An educational introduction to trigonometry. COCOT-RIG.
- Kenny, Keiran. "CoCo 3 Joystick"; CoCo3; August 1990, p.59. A simple joystick doodling program. JOYSTK3. Kenny, Keiran. "Graphics Experiments"; CoCo3; March 1991,
- p.78. Some hints on graphics programming. HSCR4EXP. Kenny, Keiran. "Hi-Res Art Pie"; CoCo3; June 1991, p.18. Lea how to determine and set screen coordinates. HIRESPIE.
- Kenny, Keiran. "Hot Gold"; CoCo1/CoCo2/CoCo3; December 1990, p.57. Find the hidden treasure. HOTGOLD.
- Kenny, Keiran. "Neat Labels"; CoCo1/CoCo2/CoCo3; February 1991, p.24. Print address labels from data statements. LA-BFI S
- Kenny, Keiran. "Peeking at 135"; CoCo1/CoCo2/CoCo3; November 1990, p.75. Use Address 135 for monitoring user input. PEEK135.
- Kessler, Gary C. "Brief Introduction to Modems, A"; November 1990, p.12. Introduction to data communications using modems
- Kientzle, Tim. "Displaying Picture Files OS-9, Part III"; CoCo3;

- December 1990, p.34. Another look at data-compression
- techniques. SETBUFFER.B0.
  Kientzle, Tim. "Displaying Picture Files Using OS-9"; CoCo3;
  November 1990, p.48. Run-length decoding techniques and displaying images. GETLINE.
- Kientzle, Tim. "Getting the Picture With OS-9"; CoCo3; October p.44. Picture-storage formats and displaying images with OS-9 VFF
- "Loans"; CoCo1/CoCo2/CoCo3; February 1991, p.29. Quickly find monthly payments and interest on loans. LOANS
- Kuns, Eddie. "Database Report"; July 1990, p.62. "Binary Pot-
- Kuns, Eddie, "Database Report": August 1990, p.14, "Uploads Galorel"
- Kuns, Eddie. "Delphi Bureau"; September 1990, p.70. "Online Interactions'
- Kuns, Eddie. "Delphi Bureau"; October 1990, p.68. "New Machines Coming". Kuns, Eddie. "Delphi Bureau"; November 1990, p.58. "New Del-
- phi Rates" Kuns, Eddie. "Delphi Bureau"; December 1990, p.58. "The Delphi
- Mailman". Kuns, Eddie. "Delphi Bureau"; March 1991, p.61. "The Mad
- Slasher"
- Kuns, Eddie. "Delphi Bureau"; April 1991, p.54. "Conference". Kuns, Eddie. "Delphi Bureau"; May 1991, p.22. "Conference
- Kuns, Eddie. "Delphi Bureau"; June 1991, p.22. "Online Efficiency'
- Larson, Richard. "Timer"; CoCo1/CoCo2/CoCo3; February 1991, n 60. CoCo makes a countdown timer TIMER Law, Greg. "Breakpoint"; CoCo1/CoCo2/CoCo3; July 1990, p.72.
  "The Missing Link".
- reakpoint"; CoCo1/CoCo2/CoCo3; August 1990, Law, Greg.
- Law, Greg. "Breakpoint"; CoCo1/CoCo2/CoCo3; August 1990, p.72. "BASIC09 Interfacing". GETID.

  Law, Greg. "Breakpoint"; CoCo1/CoCo2/CoCo3; September 1990, p.28. "Reading and Writing". PRINT\_TEST.

  Law, Greg. "Breakpoint"; CoCo1/CoCo2/CoCo3; October 1990, p.30. "Easy Access". OPEN\_TEST.

  Law, Greg. "Breakpoint"; CoCo1/CoCo2/CoCo3; December 1990, p.87. ""tis the C Zen".

- Law, Greg. "Breakpoint"; CoCo1/CoCo2/CoCo3; January 1991, p.52. "The C Zen Continues". TEST\_1.C. Law, Greg. "Breakpoint"; CoCo1/CoCo2/CoCo3; February 1991, p.22. "tis Still the C Zen". READ\_TEST.C.
- Law, Greg. "Breakpoint"; CoCo1/CoCo2/CoCo3; March 1991, p.72. "The Auto Formatter". AUTO.809.

  Law, Greg. "Breakpoint"; CoCo1/CoCo2/CoCo3; April 1991, p.28. "Making Directories". MAKEDIR.C.

  Law, Greg. "Breakpoint"; CoCo3; May 1991, p.20. "Graphics Exercises".
- Functions' Law, Greg. "Breakpoint"; CoCo3; June 1991, p.28. "Cause for
- Arguments" Law, Greg. "Organized Chaos"; June 1991, p.10. Programming techniques
- Liming, Douglas. "Pop-up Menus"; CoCo1/CoCo2/CoCo3; November 1990, p.52. Expedite the menu-creating process.
- Ling, Sharon. "Huck Bucks"; CoCo1/CoCo2/CoCo3; December 1990, p.50. Make play money with the CoCo and a printer.
- HUCKBUCK.
- HUCKBUCK.
  Lorbieski, Richard. "Turbo Light"; May 1991, p.53. A bright idea for monitoring clock speed on the CoCo 3.
  Ludwig, John. "Doublewide"; CoCo1/CoCo2/CoCo3; August 1990, p.44. Print double graphics screens side-by-side. DBLWIDE.
- cias, David. "Appreciatin' Depreciation"; CoCo1/CoCo2/ CoCo3; February 1991, p.46. Learn to get along with depreciation calculations. DEPRECIATE.B.
- McCarthy, James. "Credits"; CoCo1/CoCo2/CoCo3; March 1991, p.9. Let CoCo roll the credits for your production. CREDITS. Meijering, Rudy. "Solid Foundation in Chemistry"; CoCo3; February 1 TOR. 1991, p.66. CoCo becomes a chemistry tutor. CHETU-
- Merryman, Robert C. "Disk Controller ROM Selector"; March 1991, p.34. Switch between two disk ROMs.
- Mikel, Jeff. "OS-9 Assembly Language"; CoCo3; June 1991, p.40. A guide for assembly-language programmer moving to OS-9. FIRST.A.
- Milam, Loy. "Ohm's Law"; CoCo1/CoCo2/CoCo3; March 1991, p.42. Óhm's-law calculator. OHMS-LAW. Moore, Mike. "Directory Lister"; CoCo1/CoCo2/CoCo3; January
- 1991, p.86. Send the directory listing to the printer. DIRLIST. Mosley, John. "Spiral"; CoCo3; August 1990, p.42. A look at spiralized triangles. SPIRAL.

  Musumeci, John. "Note Writer"; CoCo3; February 1991, p.92. A
- quick note and memo editor. NOTERITE.
- Musumeci, John. "Note Writer 2 x 40"; CoCo3; June 1991, p.16.
  Print 80-column notes and letters without the hassle. NOTE2X40.
- Myers, Nancy. "Stuff"; August 1990, p.92. A computer widow's tale
- tate.
  Nee, William P. "Assembly Line, The"; CoCo1/CoCo2/CoCo3;
  September 1990, p.48. Simulating movement and change in
  the game of life. EATING1.
  Nee, William P. "Assembly Line, The"; CoCo1/CoCo2/CoCo3;
- October 1990, p.54. Teaching your computer to read and modify BASIC. INPUT.

  Nee, William P. "Assembly Line, The"; CoCo1/CoCo2/CoCo3;
- November 1990, p.32. An imaginary machine (Turing) comes tolife.TURING1
  Nee, William P. "Assembly Line, The"; CoCo1/CoCo2/CoCo3;
- February 1991, p.30. Graphing with a permutation of Mandel-brot. MANDEL1 Nee, William P. "Assembly Line, The"; CoCo1/CoCo2/CoCo3;
- March 1991, p.51. Moving and twisting pictures on the graphics screens. WARP1. Nee, William P. "Assembly Line, The"; CoCo1/CoCo2/CoCo3;

- May 1991, p.56. Food for thought in the game of life. PREDA-
- Nee, William P. "Assembly Line, The"; CoCo1/CoCo2/CoCo3;
- June 1991, p.76. Searching word puzzles. WORDPUZL. Nee, William P. "Assembly Line, The,"; CoCo1/CoCo2/CoCo3; August 1990, p:52. A machine-language, spiral-graph program. SPIRO1.
- Olive, Tony. "Going Online: Primed and Ready"; November 1990, p.46. A quick look at a first-timer's online discoveries.

  Perlman, Richard. "Do-It-Yourself Database, Part V"; CoCo1/CoCo2/CoCo3; July 1990, p.36. A database to track household financial information. RETRV.
- Phillips, Charles F. "Soldering Fundamentals"; March 1991, p.44. Soldering tips for the hardware tinkerer.
- Pillot, Giancarlo. "Music Catalog"; CoCo1/CoCo2/CoCo3; November 1990, p.56. An instrumental program fortracking your tunes, MUSIC
- Pittman, Larry. "Weights and Measures"; CoCo3; January 1991, p.28. Quickly convert from one type of measurement to another. MEASURE.B09.
- Puckett, Dale. "KISSable OS-9"; CoCo3; July 1990, p.48. "Loan
- Procedures for MVFinance". UPDATE1.
  Puckett, Dale. "KISSable OS-9"; CoCo3; August 1990, p.38. "CoCo 3 Does Windows".
  Puckett, Dale. "KISSable OS-9"; CoCo3; September 1990, p.39.
- "OS-9 Gets the Grades". GRADEBOOK.
  Puckett, Dale. "KISSable OS-9"; CoCo3; October 1990, p.58.
  "OS-9 Graphics Primitives". OBJECTS.SCR.
  Puckett, Dale. "KISSable OS-9"; CoCo3; November 1990, p.27.
- "Automating the Online Experience". MENUSETUP. Puckett, Dale. "KISSable OS-9"; December 1990, p.21. "Legends
- of the C". Puckett, Dale. "KISSable OS-9"; CoCo3; January 1991, p.46.
- "Basic Instructions". Quellhorst, George. "Pyramid"; CoCo3; May 1991, p.78. An
- addictive, easy-to-play solitaire game. PYRAMID.

  Quellhorst, George. "Resounding CoCo"; CoCo3; April 1991,
  p.10. A graphical rewite of Music+. MUSIC3+.
- Rainbow Staff. "RAINBOWfest 1990"; March 1991, p.48. Photos from the Chicago 1990 show.
- Rainbow Staff, The. "OS-9 Hotline"; May 1991, p.34. "OS-9 Guidance".
- Reighard, Kenneth. "Air Raid"; CoCo1/CoCo2/CoCo3; September 1990, p.31. A high-flying action game. RAID. Ridings, David. "Tic-Tac"; CoCo3; April 1991, p.50. A game classic. TIC-TAC.
- Rogers, Robert. "Laser Cycles"; CoCo1/CoCo2/CoCo3: November 1990, p.60. An action-video game with color graphics and sound, LASER.
- os, James. US-9 File Viewer"; CoCo3; May 1991, p.9. Use keys to scroll forward and backward through ASCII files. SCROLF.B09. Ross, James. "OS-9 File Viewer"; CoCo3; May 1991,
- SCROLF.B09.

  Scrbo, Fred B. "Wishing Well"; CoCo1/CoCo2/CoCo3; July 1990, p.54. "Old Game, New Twist". EZTHELLO.

  Scerbo, Fred B. "Wishing Well"; CoCo1/CoCo2/CoCo3; August 1990, p.30. "EZ-Thello Plays Back". EZTHEL02.

  Scerbo, Fred B. "Wishing Well"; CoCo1/CoCo2/CoCo3; September 1900, p.36 "Macou In Math" MATH/EFN3.
- ber 1990, p.36. "Money in Math". MATHGEN3.
  Scerbo, Fred B. "Wishing Well"; CoCo1/CoCo2/CoCo3; October 1990, p.34. "Between Numbers". BETWEEN2.
- Scerbo, Fred B. "Wishing Well"; CoCo1/CoCo2/CoCo3; Novem-
- ber 1990, p.66. "CoCo Tours the States". STATES.
  Scerbo, Fred B. "Wishing Well"; CoCo1/CoCo2/CoCo3; December 1990, p.28. "The Tour Continues". MATCH50.

- ber 1990, p.28. "The Tour Continues". MATCH50. Scerbo, Fred B. "Wishing Well"; CoCo1/CoCo2/CoCo3; January 1991, p.40. "Visualizing Fractions 2". VISFRAC2. Scerbo, Fred B. "Wishing Well"; CoCo1/CoCo2/CoCo3; February 1991, p.40. "Visualizing Fractions 3". VISFRAC3. Scerbo, Fred B. "Wishing Well"; CoCo1/CoCo2/CoCo3; March 1991, p.20. "Visualizing Fractions 4". VISFRAC4. Scerbo, Fred B. "Wishing Well"; CoCo1/CoCo2/CoCo3; April 1991, p.58. "Lifeskills 7". LIFESKL7.
  Smith, Jay. "Cracking the Nautical Code"; CoCo3; August 1990, p.10. A RASIC program that teaches you international code.
- p.10. A BASIC program that teaches you international code flags. CODEFLAG.
- Stakelin, II Carl J. "Knight's Errant"; CoCo3; July 1990, p.90. Doin' the white/black shuffle. KNIGHT.
- Steidl, Jeff. "Just Between Terminals"; CoCo1/CoCo2/CoCo3: July 1990, p.28. Play the role of a data communications chip. DATATRAN.
- Stroffolino, Phil. "Jumpman"; CoCo1/CoCo2/CoCo3; February 1991, p.28. A quick look at the basics of graphics animation. JUMPMAN.
- Tandberg, Dan. "Wormy"; CoCo1/CoCo2/CoCo3; December p.20. Steer the growing worm without hitting anything.
- Taulli, T.C. "Space Kamikaze"; CoCo1/CoCo2/CoCo3; May 1991, p.80. A shoot-'em-up arcade game of kamikaze destruction. SPACE. Teague, Bob. "Body Mass"; CoCo1/CoCo2/CoCo3; February
- 1991, p.90. Determine your optimum weight. BODYMASS.
  Thompson, Ernie. "Adding Machine"; CoCo1/CoCo2/CoCo3,
  November 1990, p.36. A printing, adding-machine. ADD.
  Tinklepaugh, Dale. "Bond Calculator"; CoCo1/CoCo2/CoCo3, CoCo1/CoCo2/CoCo3;
- February 1991, p.56. Computerized guidance for calculated
- risks. BONDCALC.
  Turowski, Donald. "Car Quest"; CoCo1/CoCo2/CoCo3; June 1991, p. 18. The license-plate game for those trips in the car. CARQUEST.
- Walters, Francis M. "Spread a Sheet for Heat Loss"; CoCo1 / CoCo2/CoCo3; September 1990, p.60. Using spreadsheets for heat-loss calculations.
- Tor neat-loss calculations. Webb, Mark. "Darts"; CoCo3; February 1991, p.83. Throw darts on (not at) your CoCo's screen. DARTS. Wolf, Eric A. "Pie Plotter"; CoCo3; January 1991, p.83. Create your own pie charts. PIECHART.
- Wyss-Gallifent, S. "Doc Reader"; CoCo3; May 1991, p.49. View and print text files quickly and easily. READDOC.
- Zore, Ernest F. "Programming Quick Tips"; July 1990, p.61.

# The 11th Year of THE RAINBOW

Compiled by Julie Hutchinson

Eleven years? That's right, and this is our ninth yearly index of articles and reviews. The items listed here appear in issues of THE RAINBOW from July 1991 to June 1992. (Previous indices appear in past July issues, starting with July 1984.) To complete your RAINBOW library, you'll find more information about how to get back issues with your favorite programs and articles on Page 18 of this issue.

# **BUSINESS**

Krueger, Roger F. "CoCo Writes Purchase Orders"; CoCo3; June 1992, p.1. Use the CoCo 3 tor mailorder and other needs. COCOPO.

# **COMMUNICATIONS**

Ford, Steven. "CoCo Conversation"; July 1991, p. 22. Getting your ham radio license

Hrach. Warren C. "RiBBS List": November 199',p 14 A stick-to-your-RiBBS idea (or CoCo communications.

Kessler, Gary. 'Serial Asynchronous Conmiunicalions"; June 1992, p.27. A look at the nitty gritty behind modems.

Kuns, Eddie. Delphi Bureau"; July 199', p.45. A mixed bag of tricks

Kuns. Eddie. "Delphi Bureau"; August 1991, p.4S. Literally speaking.

Kuns. Eddie. "Delphi Bureau"; September 1991, p 28l More dot commands.

Kuns, Eddie. "Delphi Bureau'; October 1991, p.14. Database reconstruction.

Kuns, Eddie. "Delphi Bureau"; November 1991. p.31. Group descriptions.

Kuns, Eddie. "Delphi Bureau"; December 1991, p.32. Submission ideas.

Kuns, Eddie. "Delphi Bureau"; January 1992, p.16. Editing submissions.

Kuns. Eddie. "Delphi Bureau'; February 1992. p.29. Editing submissions II.

Kuns, Eddie. "Delphi Bureau"; May 1992. p25.

Kuns. Eddie. "Delphi Bureau": June 1992. p.18. New Features. Rainbow Staff, The "Data Transmission Reaches New Speeds"; March 1992. p.1.

# **EDITORIAL COMMENT**

Falk. Lonnie. Print#-2"; July 1991. p.08.
Falk, Lonnie. "Print#-2"; August 1991, p. 10.
Falk. Lonnie. 'Print#-2"; September 1991. p.08.
Falk. Lonnie. -Print#-2"; October 1991. p.08.
Falk. Lonnie. "Print\*-?"; November 1991. p.08.
Falk. Lonnie. -Print#-2"; December 1991. p.08.
Falk. Lonnie. "PrinW-2"; January 1992. p.07.
Falk. Lonnie. \*Print#-2"; February 1992. p.07.
Falk. Lonnie. -Print#-2"; March 1992. p.02.
Falk. Lonnie. "Print#-2"; April 1992, p.02.
Falk. Lonnie. "Print#-2"; May 1992, p.02.
Falk, Lonnie. "Print#-2"; June 1992. p.2.

# **EDUCATION**

Cheves, Warren, "Let CoCo Do the Grading"; CoCo1/CoCo2/CoCo3; September 1991. p. 14. A multiple-choice test grader with strings attached. MCTEST.

Elliott. Jr. Phil. "Name That Country'; CoCo3; September 1991. p.058. A graphics-based quiz on nations. COUNTRY

# **GAMES**

Aftamonow. George & Aftamonow. Ellen. 'Swap Around tor Logic Buffs"; CoCo3; May 1992, p. 17. Test your logical thinking skills. SWAP.

- Dueck. Jon. "Pirate's Treasure"; CoCo1/CoCo2/CoCo3; December 1991. p.46. A text adventure for use with the CoCo 1,2 and 3. DEMON.
- Gattis, Kevin. "The Wizarc Puts a Hex on Checkers": CoCo1/CoCo2/CoCo3; March 1992, p.1. A twist on checkers as we know it. WIZARD.
- Golias, Ruth. "Activities for a Rainy Day"; CoCo3; April 1992, p.4. Bcnsey Weensey Spider in graphic and musical form. EW SPIDER
- Hegberg, Joel M. "Racing Season Opens!"; CoCo3; May 1992. p.28. Auto race through all four seasons. SRACER.
- Kimball, Bob. "Patriot Command"; CoCo1/CoCo2/CoCo3, April 1992, p.20. Desert warfare for the CoCo. PATRIOT.
- McDowell, Jim. 'Two Players for the Price of One"; CoCo1/CoCo2/CoCo3; June 1992. p.11. A two-player arcade game for all CoCos. STARGRAB.
- Quellhorst, George. "Pyramid 2": CoCo1/CoCo2'CoCo3; October 1991. p.25. An odds-on favorite with Solitaire. PYRA-MID2
- Renfro, Brad. "Word Search"; CoCo3; March 1992. p.6. A word finder for word-search players. WORDFIND.
- Saya. John A. "Quick Reflexes Are a Must"; CoCo3; April 1992. p.25. A game of luck (and skill). TESTLUCK.
- Saya, John A. "Get a Bang Out of Word Games"; CoCo3; June 1992. p.22. Beat the bomb by unscrambling the words. BEATBOMB.
- Schaller. David. "Superdice"; CoCo1/CoCo2/CoCo3; July 1991, p.41. A modern roll for a seasoned game. SUPRDICE.
- Speight, Kevin. "Logic Puzzler"; CoCo1/CoCo2/CoCo3; February 1992, p.024. An endless supply of logic puzzles. LOGIC. Weisenburger M. "Megatank": CoCo3; August 1991, p.34. A
- Weisenburger, M. "Megatank"; CoCo3; August 1991, p.34. A battle of wits against alien forces. MFGATANK.

# **GENERAL**

- Moore. ROB. Tenth Year of The RAINBOW. The": July 1991. p.60. Index to articles, programs, reviews and authors from 1991.
- Palmer. Bill. "HP DeskJet and the CoCo. The"; May 1992. p.1. Using the DeskJet with the CoCo for better results.
- Rainbow Staff, The. 'The Computer Will"; April 1992, p.1. A look at making a will for your computer system.

# **GRAPHICS**

- Bernico, Bill. Add Pizazz to title Screens; CoCo1,'CoCo2/CoCo3, May 1992, p.30. Use graphics tricks to create fancy title screens. TITLES.
- Curtis, H. Allen. "Ultralace: The Epson Version"; CoCo3; August 1991,p56 Part IV brings the Epson/IBM-compatible version. ULE.
- Curlis. H. Allen. "Ultralace: The Tandy Version': CoCo3; July 199\*. p.34. Part III brings the Tandy version of main Ultralace program. ULT.
- Curtis, H. Allen. Ultralace: Tying the Knot"; CoCo3; September 1991, p.32. Instructions lor using both versions of the CoCo 3 desktop.
- Curtis. H. Allen. "Ultralace: Update and Upgrade"; CoCo3; May 1992, p.20. ALTUL.
- Dahlke, Ron. "Expander Gives the Full CoCo 3 Picture"; CoCo3; June 1992, p.24. Using the full 225 lines on the Hi-Res screen. EXPANDER.
- Friesen. Geoff. "Font Magician"; CoCo3; August 1991. p.06. Add the IBM extended character set to the CoCo 3's graphics. MKFONT.
- Kenny, Keiran "CoCo 3 Sees Stars"; CoCo3; April 1992, p.8. CoCo 3 draws stars with various numbers of points VARISTAR.
- Mitchel. Barry. "Turn the World On End'; CoCo3; June 1992, p. 12.
  A graphics and sound demo for the CoCo 3. INORBIT.
  Severs. Roger. "Gone Fishin": CoCo3: April 1992, p. 27. A guickie.

Severs. Roger. "Gone Fishin"; CoCo3; April 1992. p.27. A quickie animation demo for the CoCo 3. FISHIN.

# **HARDWARE**

- Charrois, Dan. Interrupt-Driven Serial Communications'\*; CoCo3; February 1992, p.36. Reliable host operation through the CcCo 3 serial port DANTERM.
- Distefano, Tony. Turn of the Screw"; July 1991, p.48. A slice of time.
- Distefano, Tony. Turn of the Screw"; September 1991. p.42. It's about time. SETM.
- Distefano, Tony. "Turn of the Screw"; October 1991,p.18. EPROM programmer, too. EPROM.ASM.
- Distefano, Tony. "Turn of the Screw"; January 1992, p.36. Hard drives and SCSI,
- Goodman<sub>t</sub> Marty. "Modification Allows Y Cables"; March 1992. p.7. A fix for disk controllers for use on Y cables.
- Goodman, Marty. 'RS-232 Retrofit"; July 1991<sub>f</sub> p.10. Convert a DC Modem Pak into an RS-232 pack.
- Goodman, Marty. Upgrade Your Multi-Pak"; October 1991, p.052. Using the MPI with the CoCo 3.
- Steidl. Jeff. "Pause Switch Adds Freedom to CoCo Habits"; June 1992, p. 10. A pause switch that works with all programs and CoCos.

# **HOME APPLICATIONS**

- Duff, Stephen 'Badge Master"; CoCo1/CoCo2/CoCo3; November 1991, p.46. Track awards for members of your organization. BADGE.
- Griffard, Bob. 'House Inventory"; CoCo1/CoCo2/CoCo3; July 1991. p.14. Making a list and checking it twice. HOUSEINV.
- Kiedaisch, Charles. "Bar Graph Printer"; CoCo1/CoCo2/CoCo3; June 1992, p.24. A way to print quick and easy bar graphs. BARGRAPH.
- Masterson, Peter. "Master List"; CoCo1/CoCo2/CoCo3: March 1992. p.24. A feature-packed filer MLDATA.
- Polonsky, David. "Versabase"; CoCo3; February 1992, p. 10. A feature-packed flexible filing system. VCRDATA.
- Sabel. A.J. "Spreadsheet Gets Right on the Course"; CoCo1/CoCo2/CoCo3; April 1992. p.1. A spreadsheet template for golf handicapping.
- Speight, Kevin. "Matchmaker. Matchmaker"; CoCo1/CoCo2/CoCo3; June 1992, p.16. Pairing "couples" for most any purpose. MATCHMAK.
- Spencer, Brad. "CoCo 3 Stores Recipes. The'; CoCo3 March 1992, p.14. A repeat recipe filer for the CoCo 3. RECIPE2.

# **MUSIC**

- Miller. William K. "Music Tutor"; CoCo3: October 1991. p.59. Learn to read music with a quiz. NOTETUTR.
- Ncon, Walt. "CoCo Sound Generator. The"; CoCo1/CoCo2/CoCo3: December 1991. p.30. Add bells and whistles to your BASIC creations. SOUNDGEN.

# **NOVICES NICHE**

- Aftamonow, George. "Peggity"; CoCo3; December 1991, p.22. PEGGITY.
- Barberian Jr., Rich. "Echo"; CoCo1/CoCo2/CoCo3; November 1991, p.27 ECHO
- Bemico. Bill. "By the Numbers"; CoCo3; January 1992, p.42. NUMBERS.
- Bemico, Bill. "Pop-Up Menus"; CoCo3; February 1992, p.34. POPUPMEN.
- Bemico. Bill. "Press Continue"; CoCo1/CoCo2/CoCo3; December 1991. p.20 PRESCONT.
- Cemons. John D. "CoCo-Dot"; CoCo3; November 1991, p.28. COCODOT.
- Day, Darren Blaine. "File Size"; CoCo1/CoCo2'CoCo3; December 1991, p.20. FILESIZE.
- Eary, Danny & Eary, Peggy. "Christmas Home"; CoCo1/CoCo2/CoCo3; January 1992, p.39. XMASHOME.
- Friesen, Geoff. "Improved Directory"; CoCo3; December 1991,

p.21. IDIR.

Gibson, Charles. Tax Tables". CoCo1/CoCo2/CoCo3; August 1991, p.24. TAXTABLE.

Golias. Ruth, "Indians"; CoCo3; October 1991, p.39. INDIANS. Hegberg. Joel. "Text-Screen Dump"; CoCo1/CoCo2/CoCo3; August 1991, p.23. TEXTDUMP.

Katsekes, Chuck. "Palette Control"; CoCo3; August 1991, p.23. PAL40-80

Kenny, Keiran. "Color Dcoder, A"; CoCc3; October 1991, p.36. CLRDUDLR. Kenny, Keiran. "File Finder", CoCo1/CoCo2/CoCo3. November

1991, p.27. FILEFNDR. Kenny. Keiran. "PMODE 4 Snapshot"; CoCo1/CoCo2/CoCo3:

December 1991, p.21. PM4PTSCR. Kenny, Keiran. "Palette Tints"; CoCo3; December 1991. p.25. TINTPAL.

Kenny, Keiran. "Poke Text"; CoCo1/CoCo2/CoCo3; January 1992, p.39. POKETEXT.

Kenny. Keiran. 'Pre-fab Arkitekt"; CoCo1.'CoCo2/CoCo3; February 1992, p.33. ARKITEKT.

Kenny, Keiran. Tape-to-Tape ML"; CoCo1/CoCo2/CoCo3; November 1991, p.28, COPYML. Kenny, Keiran. "Text & Graphics"; CoCo1/CoCo2/CoCo3; Au-

gust 1991, p.22. PIXTEXT4. Kenny, Keiran. "Vocabulary Aid; CoCo1/CoCo2/CoCo3; Octo-

ber 1991, p.38. VOCABLRY. Knoppow, Jim. "Screen Selector"; CoCo3; January 1992. p.40.

SCREEN. Musumeci John. "DeSpace, DeSpace";CoCo1/CoCo2/CoCo3;

January 1992, p.40. DESPACE. Norris, John. "Cable TV"; CoCo1/CoCo2'CcCo3; October 1991,

p.36. CABLETV. Nugent. Robert C. "Egg Timer"; CoCo3; November 1991, p.29.

EGGTIMER. Page, Mark. 'Check Disk"; CoCo3; January 1992, p.41. CHKDSK. Polonsky. David. "Photo Database"; CoCo1/CoCo2/CoCo3;

January 1992, p.42. CAMERA. Ricketts, Steve. "Disk Table"; CoCo1/CoCo2/CoCo3; January 1992, p.40. DISKTABL.

Saya, John A. "CoCo Hangman"; CoCo3; February 1992, p.32. COCOHANG.

Voss. Mikel. "Sine Lines 3"; CoCo3; February 1992, p.32. SIN-LINES.

# **OS-9**

Besherse, Berrie E. "Addressed to You":CoCo1/CoCo2/CoCo3: September 1991, p.46. An easy-to-use address label maker for BASIC09. ADRLABEL.B09.

Dubuc, Francois. "Spicy Dice"; CoCo3; December 1991, p.14. A BASIC09 dice game. DICE\_GAME.

Gault, Robert. "Interrupted Again"; CcCo3; August 1991. p.28. A software technique to eliminate interrupt problems IRQPOLL.ASM.

Goldberg, Stephen B. "Easy Display"; CoCo1/CoCo2/CoCo3; October 1991, p.048. A display command that accepts decimal numbers. DISPLAY ASM.

Goldberg, Stephen B. "Lost and Found: An OS-9 File Finder'; CoCo1/CoCo2'CoCo3; March 1992, p.27. File find for the OS-9 operating system. FIND.ASM.

Goldberg, Stephen B. "Pretty-print OS-9 Source Code"; CoCo1/ CoCo2/CoCo3; June 1992, p.8. Columnarize OS-9 assembly listings the easy way. PRETTY.ASM

Goldberg. Stephen B. "Vname Lets You Make the Call"; CoCo1/ CoCc2/CoCo3; May 1992, p.6. Change disk volume names on the fly. VNAME.ASM.

Kientzle, Tim. "Communicating With OS-9"; CoCo1/CoCo2/ CoCc3; November 1991. p.22. Getting the word out about going online.

Kientzle, Tim. "Making the Move": CoCo1/CoCo2vCoCo3; October 1991. p.010. Transferring fliles between Disk BASIC and OS-9.

Law. Greg. "Breakpoint"; CoCo3; August 1991. p.16. Using system calls. GET ID.C. Law, Grog. "Breakpoint"; October 1991, p.41. Creating a C

library. Law. Greg. 'Breakpoint"; CoCo1/CoCo2/CoCo3; December 1991, p.44. The procedure generator. PROCGEN.B09.

Law, Greg. "Breakpoint", CoCo3, February 1992. p.18. Uppercase directories. MAKEDIR.C.

Law. Greg. "Breakpoint"; CcCo3; April 1992, p. 18. Salvage Files. SALVAGE.ASM.

Law, Greg. 'Breakpoint"; CoCo3; May 1992, p.22. TRS.C.

# **PROGRAMMING**

Dessel. Jason. "New CLS Routines: ML and the CoCo 3"; CoCo3; June 1992. p.1. Altering CLS to dear the CoCo 3 screens in new ways. SNAKE.

Mabry, George M. "Card-Player's Sort, The"; CoCo1,CoCo2/ CoCo3; June 1992, p.5. Sort data the card-players way. CARDSORT.

Nee. William P "Assembly Line. The"; CoCo1/CoCo2/CoCo3; July 1991. p.28. The machine-language mailbag. PUCHINK1. Nee, William P. "Assembly Line, The"; CoCo1/CoCo2/CoCo3; August 1991. p.41. Using assembly-language macros. EN-

Nee. William P. "Assembly Line. The"; CoCo1/CoCo2/CoCo3;

September 1991, p.18. A fine ern. AFFCOMP. Nee. William P. "Assembly Line, The"; CoCo1/CoCo2/CoCo3; October 1991, p.43. CoCo makes waves. WAVES 1.

Nee. William P. "Assembly Line. The"; CoCo1/CoCo2/CoCo3: November 1991. p.18. The Game of Life. LIFEDRVR.

Nee, William P. "Assembly Line, The": CoCo1/CoCo2/CoCo3; January 1992. p.20. The game of Mill. MILLDRV. Nee. William P. "Assembly Line, The": CoCo1/CoCo2/CoCo3;

February 1992. p.20, Zig Zag 7IG7AGDR

# **QUESTION & ANSWER** Goodman, Marty. "CoCc Consultations"; July 1991. p.18,

Goodman, Marty, "CoCc Consultaions"; August 1991. p.30. Goodman, Marty. "CoCoConsultations"; September 1991, p.36. Goodman, Marty. "CoCc Consultations"; October 1991, p.32. Goodman, Marty. "CoCc Consultations"; November 1991, p.31. Goodman, Marty. "CoCo Consultations"; December 1991. p.26. Goodman, Marty. "CoCc Consultations"; January 1992, p.30. Goodman, Marty. "CoCc Consultations"; February 1992, p.26. Goodman, Marty. "CoCc Consultations"; March 1992, p.20, Goodman, Marty. "CoCc Consultations"; April 1992. p.12. Goodman, Marty. "CoCc Consultations"; May 1992, p. 10. Goodman, Marty. "CoCc Consultations"; June 1992, p.4.

Rainbow Staff. The. "OS-9 Hotline", July 1991, p.56. Passing parameters.

Rainbow Staff, The. "OS-9 Hotline"; August 1991, p.38. Down to

Rainbow Staff, The. "OS-9 Hotline"; September 1991, p.48. Rainbow Staff, The. "OS-9 Hotline"; October 1991, p.30.

# **TUTORIAL**

Coldwell, John A. 'Multi-Column Directories Get Easier"; CoCo3; April 1992. p.10. Using pokes to achieve multi-column directory listings. SHORTCUT.

# UTILITY

Augsburg, Cray. "Speedy PMODE Screen Dump"; CoCo1/CoCo2/ CoCo3; May 1992, p.1. Machine-language PMODE dumps for most printers. TANDUMP.

Collyer. John "EZDASM: Tear Into Memory'; CoCo1/CoCo2/ CoCo3; April 1992, p.8. An easy-to-use disassembler EZDASM.

Friesen, Geoff. "Program Launcher Helps Users Get Started"; CoCo3; April 1992, p.16. A BASIC-program launcher for the CoCo 3. LAUNCHER. Hameluck. Jeff. "Printing Sideways"; CoCo3; April 1992, p.23. A

Hegberg, Joel "DOS Root for BASIC Programs"; CoCo1/CoCo2/

way to make wide printouts look more professional. SIDE-

CoCo3; March 1992, p.10. Tell BASIC to boot your programs with DOS. AUTOBOOT.

Johnson, Nick. "ID: Get File Information Quickly"; CoCo3; May 1992, p.28. Get all the info on your disks' contents. ID. Kientzle. Tim. "Archiving Files"; CoCo1/CoCo2/CoCo3; January 1992, p.10. A look at what archiving tools are available.

An icon-driven disk-file manager'. DIRECT. Woolridge. Mike. "Move PRINT@ to a New Location': CoCo3: June 1992. p.14. A converter for relocating PRINT@ statements. CONVERT.

Rumpel, Kathy. 'Directory Helper"; CoCo3; January 1992, p.26.

Wyss-Gallifent, S.T. "Gray-Level Printing for HSCREEN2"; CoCo3: May 1992, p.4. Achieve 11 gray levels for HSCREEN2 printouts. AUTOGRAY.

# **REVIEWS**

"All Rick's Software"; January 1992. p.44.

"CIII PagesE2.5"; December 1991, p.39.

"CF83 Forth"; February 1992, p.42.

"Calendar 1"; September 1991, p.54. 'CoCo Calculator: January 1992, p.46. "CoCo Family Recorder, The"; June 1992. p.15. 'CoCo Labels"; July 1991, p.51. "CoCo Tools"; November 1991, p.40. 'Crystal City"; July 1991, p.53. Cybervoice"; December 1991, p.36. 'DIR";May 1992, p.30. 'DMA: The Disk Manager's Apprentice"; November 1991, p.37. •DPMax";May 1992, p.21. "Data Windows"; November 1991, p.39. 'Desk Accessory Pak"; June 1992, p.13. • Digitizer 3+. The"; July 1991, p.51. "Duo Deck Solitaire"; March 1992, p.30. 'Gems"; February 1992. p.47. <sup>,</sup>'Goodies Disk Two"; April 1992, p.04. 'HideScreen\*; January 1992. p.44. "High Finance"; September 1991. p.52. -KBCom"; March 1992. p.12. "MM/1"; December 1991, p.10. "MV Banner": April 1992. p.07. "Match'em"; July 1991. p.55. "Microware Basic"; September 1991, p.54. "NIB Kelly & Company"; November 1991. p.41. "NIB Swimsuits & Lingerie, Vol. I"; July 1991, p.54. "OS-9 Calendar Utilities"; December 1991, p.38. "OS-9 Level 2 Game Pack"; March 1992, p.22. 'OS-9 Variations of Solitaire"; April 1992, p.22. °POW/MIA Database"; November \*991, p.37. "Photon"; May 1992, p.04. 'Printer Bible, The"; April 1992, p.19. 'Sidney, the Super Space Snake": November 1991 p.37.</tems>"Sound Source Library, The"; March 1992, p.12. 'Soviet Bloc"; September 1991, p.52. 'Super Boot": February 1992, p.42. 'System IV"; September 1991. p. 10. "T&D Issue #105"; September 1991. p.56 •TV"; March 1992, p. 15. •Tomcat TC-9"; November 1991. p 010. 'Tools II"; February 1992, p.44. •Unbelievable Offer #3"; June 1992, p 26. 'Util Disk"; July 1991, p.52. "WPShel"; January 1992. p.46. 'Window Master 3.0": May 1992. p 18. 'World Class Chess"; January 1992, p.47. 'ZClock"; December 1991, p 38.

# **AUTHORS**

Aftamonow, George. "Pegqity"; CoCo3; December 1991, p.22. PEGGITY.

Aftamonow, George & Aftamonow, Ellen. "Swap Around for Logic Buffs"; CoCo3; May 1992. p.17. Test your logical thinkino skills. SWAP.

Augsburg, Cray. "Speedy PMODE Screen Dump"; CoCo1/CoCo2." CoCo3; May 1992. p.1. Machine-language PMODE dumps for most printers. TANDUMP.

Barberian Jr., Rich. 'Echo"; CoCo1/CoCo2/CoCo3; November 1991. p.27. ECHO.

Bernico. Bill. 'Add Pzazz to Title Screens": CoCo1/CoCo2./

CoCo3; May 1992. p.30. Use graphics tricks to create fancy title screens. TITLES. Bernico, Bill. "By the Numbers": CoCo3; January 1992, p.42.

NUMBERS. Bernico. Bill. "Pop-Up Menus"; CoCo3; February 1992. p.34 POPUPMEN.

Bernico. Bill. "Press Continue"; CoCo1/CoCo2.'CoCo3: December 1991. p.20. PRESCONT. 3esherse, Bemie E. "Addressed to You"; CoCo1/CoCo2/CoCo3.

September 1991, p.46. An easy-to-use address label maker lor BASIC09. ADRLABEL.B09. Charrois, Dan. Interrupt-Driven Serial Communications"; CoCo3; February 1992, p.36. Reliable host operation through the

CoCo 3 serial port. DANTERM. Cheves, Warren, 'let CoCo Do the Grading"; CoCo1/CoCo2.' CoCo3; September 1991 p.14. A multiple-choice test grader

with strings attached MCTEST Clemons, John D. "CoCo-Dot": CoCo3: November 1991, p.28 COCODOT. Coldwell, John A. "Mulli-Column Directories Get Easier; CoCo3;

April 1992, p. 10. Using pokes to achieve multi column direc tory listings. SHORTCUT. Collyer. John. "EZDASM: Tear Into Memory"; CoCo1/CoCo2,"

CoCo3; April 1992. p.8. An easy-to-use disassembler EZDASM. Curtis, H. Allen. "Ultralace: The Epson Version"; CoCo3; August

1991,0.56. Part IV brings the Epson/IBM-compatible version. Curtis. H. Allen. "Ultralace: The Tandy Version"; CoCo3; July

1991, 0.34. Part III brings the Tandy version of main Ultralace

Curtis, H. Allen. "Ultraace: Tying the Knot"; CoCo3; September 1991, p.32. Instructions for using both versions of the CoCo 3 desktop.

Curtis, H. Allen. "Ultralace: Update and Upgrade"; CoCo3; May 1992. p.20. ALTUL Dahlke, Ron. "Expander Gives the Full CoCo 3 Picture"; CoCo3; June 1992, p.24. Using the full 225 lines on the H-Res screen.

Day, Darren Blaine. 'File Size"; CoCo1/CoCo2/CoCo3; December 1991. p.20. FILESIZE.

Dessel, Jason. "New CLS Routines: ML and the CoCo 3"; CoCo3; June 1992. p. 1. Altering CLS to clear the CoCo 3 screens in new ways. SNAKE. Distefano. Tony. "Turn of the Screw"; July 1991, p.48. A slice of

Distefano, Tony. 'Turn of the Screw"; September 1991, p.42. It's about time. SETM

Distefano. Tony. 'Turn of the Screw"; October 1991, p. 18. EPROM programmer, too. EPROM.ASM. Distefano. Tony. "Turn of the Screw"; January 1992. p.36. Hard

drives and SCSI. Dubuc, Francois. "Spicy Dice", CoCo3, December 1991. p.14. A

BASIC09 dice game. DICE\_GAME. Dueck. Jon. "Pirate's Treasure"; CoCo1/CoCo2/CoCo3; December 1991. p.46. A text adventure for use with the CoCo 1,2 and

3. DEMON. Duff, Stephen. "Badge Master'\*; CoCo1/CoCo2/CoCo3; November 1991. p.46. Track awards for members of your organiza-

tion. BADGE. Eary. Danny & Eary, Peggy. "Christmas Home"; CoCo1/CoCo2' CoCo3. January 1992. p.39. XMASHOME. Elliott. Jr. Phil.

"Name That Country"; CoCo3; September 1991, p.058. A graphics-based guiz on nations. COUNTRY.

Falk, Lonnie "Print#-2"; July 1991, p.08. Falk, Lonnie. "Print#-2"; August 1991, p.10. Falk, Lonnie. "Print#-2"; September 1991, p.08. Falk, Lonnie. -Print#-2"; October 1991, p.08. Falk, Lonnie. "Print#-2"; November 1991, p.08. Falk. Lonnie. "Print#-2"; December 1991, p.08. Falk, Lonnie. "Print#-2"; January 1992, p.07. Falk, Lonnie. "Print#-2"; February 1992. p.07. Falk. Lonnie. "Print#-2"; March 1992, p.02. Falk, Lonnie. "Print#-2"; April 1992, p.02.

Falk, Lonnie. "Print#-2"; May 1992. p.02.

Falk. Lonnie. "Print#-2"; June 1992, p.2. Ford. Steven. "CoCo Conversation"; July 1991, p.22. Getting your ham radio license

Friesen, Geoff. "Font Magician"; CoCo3; August 1991, p.06. Add the IBM extended character set to the CoCo 3's graphics. MKFONT.

Friesen, Geoff. "Improved Directory"; CoCo3; December 1991, p.21 IDIR. Friesen. Geoff. "Program Launcher Helps Users Get Started"; CoCo3; April 1992. p. 16. A BASIC-program launcher for the

CoCo 3. LAUNCHER. Gattis. Kevin. "The Wizard Puts a Hex on Checkers"; CoCo1/ CoCo2/CoCo3; March 1992. p.1 A twist on checkers as we know it. WIZARD.

Gault, Robert. "Interrupted Again"; CoCo3; August 1991, p.28. A software technique to eliminate interrupt problems. IRQPOLL.ASM.

Gibson. Charles. "Tax Tables"; CoCo1/CoCo2/CoCo3; August 1991, p.24. TAXTABLE. Goldberg, Stephen B. "Easy Display"; CoCo1/CoCo2/CoCo3; October 1991, p.046. A display command that accepts deci-

mal numbers. DISPLAY.ASM. Goldberg. Stephen B. "Lost and Found: An OS-9 File Finder"; CoCo1/CoCo2/CoCo3; March 1992, p.27. File find for the OS-

9 operating system. FIND.ASM. Goldberg, Stephen B. "Pretty-print OS-9 Source Code": CoCo1/ CoCo2/CoCo3; June 1992. p.8. Columnarize OS-9 assembly

listings the easy way. PRETTY.ASM. Goldberg, Stephen B. "Vname Lets YOU Make the Call"; CoCo1/ CoCo2/CoCo3; May 1992, p.6. Change disk volume names

on the fly. VNAME.ASM. Golias, Ruth. "Activities for a Rainy Day"; CoCo3: April 1992. p.4. Eensey Weensey Spider in graphic and musical form. EW-

Golias, Ruth. "Indians"; CoCo3; October 1991, p.39. INDIANS.

Goodman. Marty. "CoCo Consultations'; July 1991, p.18. Goodman. Marty. "CoCo Consultations": August 1991, p.30. Goodman. Marty. "CoCo Consultations"; September 1991, p.36. Goodman. Many. "CoCo Consultations"; October 1991, p.32. Goodman, Marty "CoCo Consultations'; November 1991. p.31. Goodman, Marty. "CoCo Consultations"; December 1991. p.26. Goodman, Marty. "CoCo Consultations"; January 1992, p.30. Goodman, Marty. "CoCo Consultations": February 1992, p.26. Goodman, Marty. "CoCo Consultations'; March 1992, p.20. Goodman, Marty "CoCo Consultations"; April 1992, p.12.

Goodman. Marty "CoCo Consultations"; May 1992, p.10. Goodman, Marty 'CoCo Consultations"; June 1992, p.4. Goodman. Marty. "Modification Allows Y Cables"; March 1992, p.7. A fix for disk controllers for use on Y cables. Goodman, Marty. "RS-232 Retrofit"; July 1991, p. 10. Convert a

DC Modem Pak into an RS-232 oack. Goodman, Marty. "Upgrade Your Multi-Pak"; October 1991. p.052. Using the MPI with the CoCo 3.

Griffard. Bob. "House Inventory"; CoCo1/CoCo2/CoCo3; July 1991, p.14. Making a list and checking it twice. HOUSEINV. Hameluck, Jeff. "Printing Sideways"; CoCo3; April 1992. p.23. A way to make wide printouts look more professional. SIDE-

Hegberg. Joel. "DOS Boot lor BASIC Programs": CoCo1/CoCo2/ CoCo3; March 1992. p.10. Tell BASIC to boot your programs with DOS. AUTOBOOT.

Heaberg. Joel. Text-Screen Dump"; CoCo1/CoCo2/CoCo3; August 1991, p.23. TEXTDUMP. Hegberg. Joel M "Racing Season Opens!"; CoCo3; May 1992,

p.28. Auto race through all four seasons. SRACER. Hrach, Warren C. "RiBBS List"; November 1991, p.14. A stick-toyour-RiBBS idea lor CoCo communications. Johnson, Nick. "ID: Get File Information Quickly"; CoCo3; May

1992. p.28. Get all the info on your disks' contents. ID. Kalsekes. Chuck. "Palette Control"; CoCo3; August 1991, p.23. PAL40-80. Kenny. Keiran. "CoCo 3 Sees Stars"; CoCo3: April 1992. p.8.

CoCo 3 draws stars with various numbers of points. VARIS-Kenny. Keiran. -Color Doodler'. A": CoCo3: October 1991. p.36.

CLRDUDLR. Kenny, Keiran. "File Finder"; CoCo1/CoCo2/CoCo3; November 1991, p.27. FILEFNDR.

Kenny, Keiran. "PMODE 4 Snapshot"; CoCo1/CoCo2/CoCo3; December 1991. p.21. PM4PTSCR. Kenny, Keiran. Palette Tints"; CoCo3; December 1991, p.25.

TINTPAL. Kenny, Keiran. "Poke Text": CoCo1/CoCo2/CoCo3; January 1992. p.39. POKETEXT. Kenny. Keiran. "Pre-fab Arkitekt"; CoCo1/CoCo2/CoCo3; Febru-

ary 1992. p.33. ARKITEKT. Kenny. Keiran. "Tape-to-Tape ML"; CoCo1/CoCo2/CoCo3; November 1991, p.28. CCPYML.

Kenny. Keiran. "Text 8 Graphics"; CoCo1/CoCo2/CoCo3; August 1991. p.22. PIXTEXT4. Kenny. Keiran. 'Vocabulary Aid": CoCo1/CoCo2/CoCo3; Octo

ber 1991. p.38. VOCABLRY. Kessler, Gary. 'Serial Asynchronous Communications"; June 1992, p.27. A look at the nitty gritty behind modems. Kiedaisch, Charles. "Bar Graph Printer"; CoCo1/CoCo2/CoCo3;

June 1992, p.24 A way to print quick and easy bar graphs. BARGRAPH. Kientzle. Tim. "Archiving Files"; CoCo1/CoCo2/CoCo3; January 1992. p.10. A look at what archiving tools are available. Kientzle, Tim. "Communicating With OS-9"; CoCo1.'CoCo2/

CoCo3; November 1991, p.22. Getting the word out about Kientzle, Tim. "Making the Move"; CoCo1/CoCo2/CoCo3; October 1991. p.010. Transferring files between Disk BASIC and

Kimball. Bob. "Patriot Command"; CoCo1/CoCo2/CoCo3; April 1992. p.20. Desert warfare for the CoCo. PATRIOT. Knoppow, Jim. "Screen Selector": CoCo3; January 1992, p.40.

Krueger, Roger F. "CoCo Writes Purchase Orders"; CoCo3; June 1992. p.1. Use trie CoCo 3 for mail-order and other needs.

COCOPO. Kuns. Eddie. 'Delphi Bureau"; July 1991, p.45. A mixed bag of

Kuns. Eddie. "Delphi Bureau"; August 1991, p.46. Literally speak-

Kuns. Eddie. 'Delphi Bureau"; October 1991, p.14. Database reconstruction. Kuns. Eddie. "Delphi Bureau"; November 1991. p.31. Group

Kuns, Eddie. "Delphi Bureau"; September 1991, p.28. More dot

descriptions. Kuns, Eddie. "Delphi Bureau". December 1991, p.32. Submission

Kuns, Eddie. "Delphi Bureau"; January 1992, p.16. Editing sub-Kuns, Eddie. "Delphi Bureau"; February 1992, p.29. Editing

submissions II. Kuns, Eddie. 'Delphi Bureau"; May 1992, p.25. Kuns, Eddie. 'Delphi Bureau"; June 1992, p.18. New Features.

Law. Greg. "Breakpoint"; CoCo3; August 1991, p.16. Using system calls. GET\_ID.C. Law. Greg. "Breakpoint"; October 1991, p.41. Creating a C library.

Law, Greg. "Breakpoint"; CoCo1/CoCo2/CoCo3; December 1991.

p.44. The procedure generator. PHOCGEN.B09.

Law, Greg. 'Breakpoint"; CoCo3; February 1992, p.18. Uppercase directories. MAKEDIR.C.

Law. Greg. "BreakPoint":CoCo3; April 1992,p.18. Salvage Files. SALVAGE.ASM.

Law, Greg. "BreakPoint"; CoCo3; May 1992, p.22. TRS.C. Mabry, George M. "Card-Player's Sort, The"; CoCo1/CoCo2/ CoCo3; June 1992. p.5. Sort data the card-players way.

CARDSORT. Masterson, Peter. "Master List"; CoCo1./CoCo2/CoCo3; March 1992, p.24. A feature-packed filer. MLDATA.

McDowell, Jim. "Two Players for the Price of One': CoCo1/ CoCo2/CoCo3: June 1992. p. 11. A two-player arcade game for all CoCos.STARGRAB.

Miller, William K. "Music Tutor; CoCo3; October 1991, p.59. Learn to read music with a quiz. NOTETUTR. Mitchel, Barry. "Turn the World On End"; CoCo3; June 1992, p. 12.

A graphics and sound demo for the CoCo 3. INORBIT. Moore, Rob. Tenth Year of Trie RAINBOW, The"; July 1991, p.60. Index to articles, programs, reviews and authors from

Musumeci, John. "DeSpace, DeSpace"; CoCo1/CoCo2/CoCo3; January 1992, p.40. DESPACE.

Nee. William P. "Assembly Line, The"; CoCo1/CoCo2/CoCo3; July 1991, p.28. The machine-language mailbag. PUCHINK1. Nee, William P. "Assembly Line, The": CoCo1//CoCo2/CoCo3: August 1991. p.41. Using assembly-language macros. EN-LARGE!.

Nee, William P. "Assembly Line, The": CoCo1/CoCo2/CoCo3: September 1991. p. 16. A tine fern. AFFCOMP.

Nee, William P. "Assembly Line, The": CoCo1/CoCo2/CoCo3: October 1991, p.43. CoCo makes waves. WAVES1. Nee, William P. "Assembly Line. The"; CoCo1/CoCo2/CoCo3;

November 1991, p.18. The Game of Lite. LIFEDRVR.

Nee, William P. "Assembly Line, The"; CoCo1/CoCo2/CoCo3; January 1992, p.20. The game of Mil. MILLDRV. Nee, William P. "Assembly Line, The"; CoCo1/CoCo2/CoCo3; February 1992. p.20. Zig Zag. ZIGZAGDR.

Noon, Walt. "CoCo Sound Generator, The"; CoCo1/CoCo2/ CoCo3; December 1991, p.30. Add bells and whistles to your BASIC creations. SOUNDGEN.

Norris, John. "Cable TV"; CoCo1/CoCo2/CoCo3; October 1991, p.36. CABLETV. Nugent. Robert C. "Egg Timer": CoCo3: November 1991. p.29.

EGGTIMER. Page, Mark. "Check Disk"; CoCo3; January 1992. p.41. CHKDSK. Palmer, Bill. "HP DeskJet and the CoCo, The"; May 1992, p.1. Using the DeskJet with the CoCo for better results.

Polonsky, David. "Photo Database"; CoCo1/CoCo2/CoCo3; January 1992, p.42. CAMERA Polonsky. David. "Versabase"; CoCo3; February 1992. p.10. A

feature-packed flexible filing system. VCRDATA. Quellhorst. George. "Pyramid 2"; CoCo1/CoCo2/CoCo3; October 1991. p.25. An odds-on favorite with Solitaire. PYRA-

Rainbow Staff. The. "Data Transmission Reaches New Speeds": March 1992, p.1. Rainbow Staff, The. "OS-9 Hotline"; July 1991, p.58. Passing

Rainbow Staff. The. "OS-9 Hotline"; August 1991, p.38. Down to Rainbow Staff, The. "OS-9 Hotline"; September 1991, p 48 Rainbow Staff, The. "OS-9 Hotline"; October 1991, p.30. Rainbow Staff, The. "The Computer Will"; April 1992, p. 1. A look

at making a will for your computer system. Renfro. Brad. "Word Search"; CoCo3; March 1992, p.6. A word finder for word-search players. WORDFIND. Ricketts, Steve. "Disk Table"; CoCo1/CoCo2/CoCo3; January

Rumpel, Kathy. "Directory Helper; CoCo3; January 1992, p.26. An icon-driven disk-file manager. DIRECT. Sabel. A.J. "Spreadsheet Gets Right on the Course"; CoCo1/

1992. p.40. DISKTABL.

COCOHANG.

CoCo2/CoCo3; April 1992, p.1. A spreadsheet template for golf handicapping. Saya, John A. \*CoCo Hangman"; CoCo3; February 1992, p.32.

Saya, John A. 'Get a Bang Out of Word Games"; CoCo3; June 199?, p.22. Beat the bomb by unscrambling the words. BEATBOMB. Saya. John A. 'Quick Reflexes Are a Must"; CoCo3; April 1992.

p.25. A game of luck (and skill). TESTLUCK. Schaller, David. "Superdice";CoCo1/CoCo2/CoCo3: July 1991. p.41. A modern roll for a seasoned game. SUPRDICE. Severs, Roger. 'Gone Fishin'"; CoCo3; April 1992. p.27. A quickie

animation demo for the CoCo 3. FISHIN. Speight, Kevin 'Logic Puzzler"; CoCo1/CcCo2/CoCo3 February 1992, p.024. An endless supply of logic puzzles. LOGIC. Speight, Kevin. "Matchmaker, Matchmaker"; CoCo1/CoCo2/ CoCo3; June 1992. p.16. Pairing 'couples" for most any

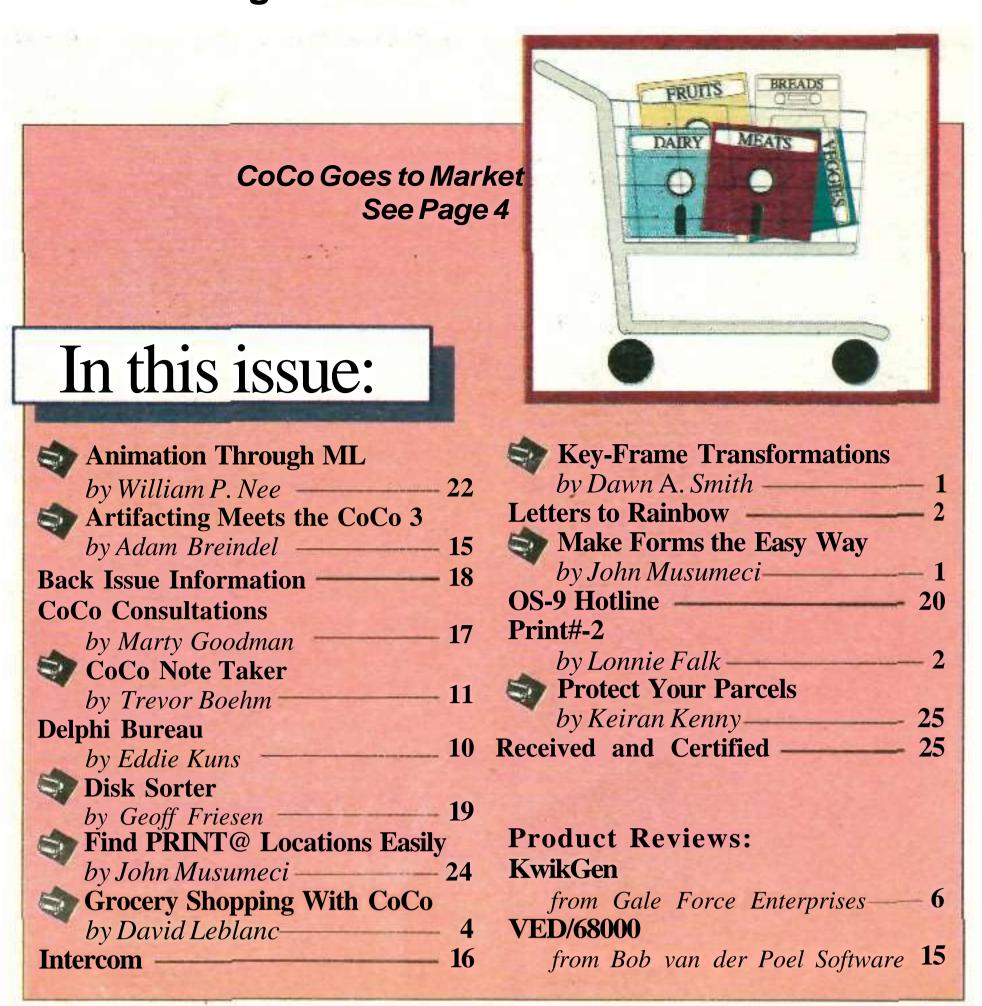
purpose. MATCHMAK. Spencer Brad. "CoCo 3 Stores Recipes, The"; CoCo3; March 1992 p.14. A repeat recipe filer for the CoCo 3 RFCIPF2. Steidl, Jeff. "Pause Switch Adds Freedom to CoCc Habits"; June 1992 p. 10. A pause switch that works with all programs and

CoCos. Voss. Mike!. "Sine Lines 3". CoCo3; February 1992. p.32. SIN LINE3. Weisenburger. M. "Megatank"; CoCo3; August 1991, p.34. A

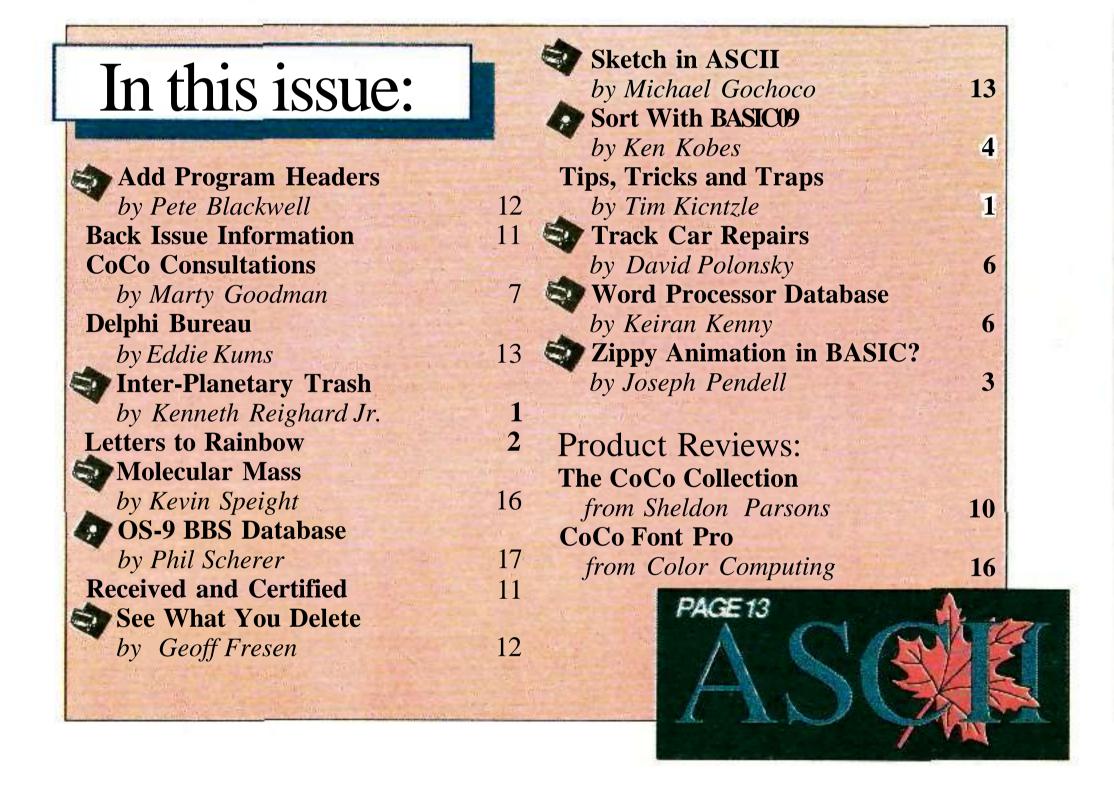
battle of wits against alien forces. MEGATANK. Woolridge, Mike. "Move PRINT@ to a New Location": CoCo3; June 1992, p.14. A converter for relocating PRINT® statements. CONVERT. Wyss-Gallifent, S.T. "Gray-Level Printing for HSCREEN2";

printouts. AUTOGRAY.

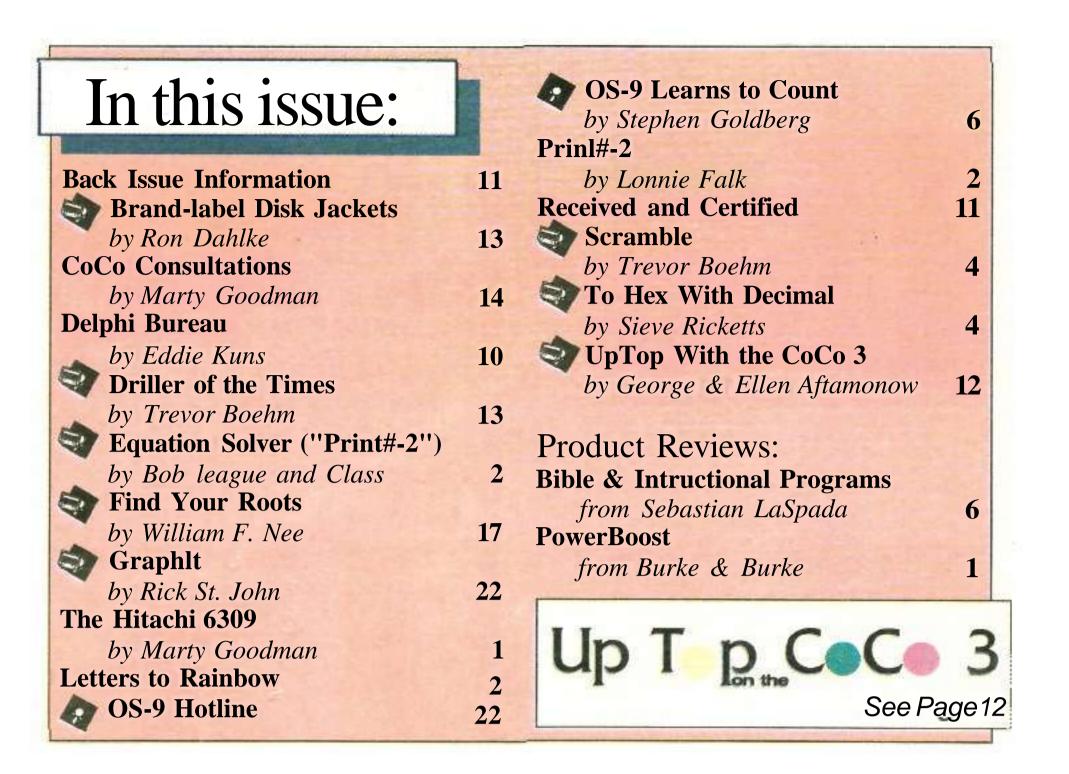
CoCo3; May 1992, p.4. Achieve 11 gray levels for HSCREEN2



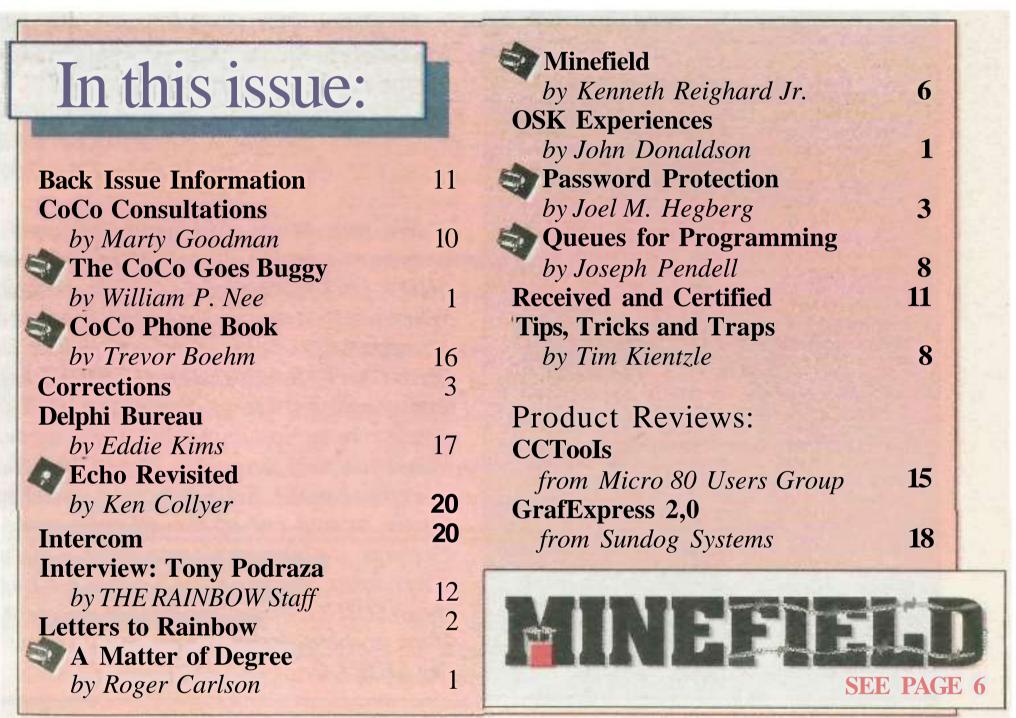
# October 1992 Vol. XII No.3



# September 1992 Vol. XII No. 2



# November 1992 Vol. XII No.4



December 1992 Vol. XII No. 5



In this issue:			
Back Issue Information	16	OS-9 Hotline	15
<b>Clearing the Screen</b>		<b>Prevent Monitor Burn-in</b>	
by Steven Puls	19	by Frank D'Urso	11
CoCo Consultations		Safari Into Solitaire	
by Marty Goodman	13	by Kenneth Reighard, Jr.	1
<b>Defragment Disks</b>		Send OS-9 Codes	
by Nick Johnson	8	by Bruce Geren	1
Delphi Bureau		Tips, Tricks and Traps	
by Eddie Kuns	6	by Tim Kientzle	9
<b>Gopher Smash</b>			
by Thomas Wong	4		
HSCREEN Compressor			
by Joel Mathew Hegberg	5		
Improve Your Prompt		Product Review:	
by Pic Pucella	4		
Intercom	12	MM/1 Technical Reference	
Letters to Rainbow	2	fromMS	11

March 1993

Vol. XII No. 8



In this issue: Aces Up Solitaire **Letters to Rainbow** by George Quellorst 1 Personal Diary **A** Matter of Principal by Mark Rivera **Received & Certified** by Ralph D. Miller **Back Issue Information Shopping List Generator Chart Monthly Bills** by Trevor Boehm 8 by Charles A. Kiedaisch Tips, Tricks and Traps **CoCo Consultations** by Tim Kientzle by Marty Goodman **Daily Reminder** by Richard J. Ries Delphi Bureau **Product Reviews:** by Eddie Kuns **14** Grab A Shape **KwikZap** by Keiran Kenny from Gale Force Enterprises **Solution** Keep Track of Refunds **CoCo Friends Disk Magazine** by Trevor Boehm from Rick's Computer Enterprise 12

April 1993

Vol. XII No. 9



May 1993

**Zap:** CoCo 3 Arcade Action

Vol. XII No. 10

# Add a Mouse Pointer by Nick Johnson 3 Back Issue Information 5 CoCo Consultations by Marty Goodman 6 Delphi Bureau by Eddie Kuns 4 A Fond Farewell 8 Letters to Rainbow 2 More Speed from BASIC by Nick Johnson 7

by Nick Bradbury ...... 13

#### ASSEMBLY LANGUAGE

AUTHOR	ARTICLE	мтн	YR	PAGE
BARDEN WILLIAM TR	AL FOR THE COMPLETE NOVICE I	SEP	1988	150
	AL FOR THE COMPLETE NOVICE II		1988	
	DISASSEMBLING SECRETS OF ROM		1986	_
<u>*</u>	HARD FACTS ABOUT AL		1986	
-			1986	_
	INTERFACING TRICKS FOR BASIC & ML			
<del>-</del>	MORE INTERFACING TRICKS		1986	
BARDEN, WILLIAM JR	~		1986	_
BARDEN, WILLIAM JR			1991	
	EZ ASSEMBLER GUIDEBOOK		1991	
BARDEN, WILLIAM JR			1991	
	COVERING THE BASES WITH AL		1984	
BETTS, R. BARTLY		MAR	1985	237
	6809 INSTRUCTION SET	JAN	1985	242
BETTS, R. BARTLY	ASSEMBLE ROUND THE OL' COCO	OCT	1984	243
BETTS, R. BARTLY	FINAL SCENE OF 51-COLUMN SCREEN	FEB	1985	110
BETTS, R. BARTLY	FLASHING IN 6809	JUL	1985	84
BETTS, R. BARTLY	INTERFACING ML WITH BASIC	AUG	1985	96
BETTS, R. BARTLY	INTRODUCING SCREEN 51	DEC	1984	249
	SCHOOL DAYS, SCHOOL DAYS	SEP	1984	121
	THE ONE GREAT SECRET TO AL	JUN	1985	138
	MORE PATCHES FOR EDTASM	JUN	1985	124
	DEFEAT DE BUGS	FEB	1986	38
	COMPUTER'S ANCIENT NATIVE LANGUAGE	JUL	1987	100
	GETTING STARTED WITH MACHINE LANGUAGE		1984	
EICHSTAEDT, PETE			1984	
	AL: GETTING BACK TO BASICS		1988	
LEWANDOWSKI, DENNI			1982	
LEWANDOWSKI, DENNI			1982	
LEWANDOWSKI, DENNI				
LEWANDOWSKI, DENNI				22
			1982 1984	
LEWANDOWSKI, DENNI	ASSEMBLY CORNER: PROBLEMS?			281
= = = = = = = = = = = = = = = = = = =	BEYOND THE 'VADERS'		1983	218
	BLAST THOSE 'VADERS'		1982	106
LEWANDOWSKI, DENNI			1983	194
•	GOOD GRAPHICS EASY		1982	
	HARDCOPY REVISITED		1984	_
LEWANDOWSKI, DENNI		NOV		
	ML HANDLES BASIC CHORES	APR	1983	98
= = = = = = = = = = = = = = = = = = =	QUESTIONS AND ANSWERS	SEP	1982	
LEWANDOWSKI, DENNI	SOAK UP SOME ASSEMBLY	JUL	1982	38
LEWANDOWSKI, DENNI	THOSE STRANGE-LOOKING LISTINGS	JAN	1984	222
NEE, WILLIAM P.	ASSEMBLER SPIROGRAPH	AUG	1990	52
	A NEW RAM	OCT	1990	54
	GRAPHICS - WARPING PICTURES	MAR	1991	51
=	PERMUTATION OF MANDELBROT	FEB	1991	30
NEE, WILLIAM P.	SEARCHING WORD PUZZLES	JUN	1991	76
NEE, WILLIAM P.	SIMULATING MOVEMENT AND CHANGE IN AL	SEP	1990	48
NEE, WILLIAM P.	TURING BUS	NOV	1990	32
NEE, WILLIAM P.	PLAYING WHAT IF SCENARIOS	MAY	1991	56
	ML MADE BASIC, PART XIII	JUL	1989	80
	THE ASSEMBLY LINE, PART 1		1990	22
NEE, WILLIAM	THE ASSEMBLY LINE, PART 2		1990	84
NEE, WILLIAM P.	3-D WITHOUT GLASSES	MAY	1989	82
NEE, WILLIAM P.	AND MORE MATH	FEB	1989	96
, ·· ·				

NEE, WILLIAM P.	AND THE MUSIC PLAYED ON	JUN	1989	68
NEE, WILLIAM P.	AROUND IN CIRCLES	JAN	1989	90
NEE, WILLIAM P.	DRAW THE LINE	DEC	1988	104
NEE, WILLIAM P.	GET THE POINT	NOV	1988	80
NEE, WILLIAM P.	GETTING GRAPHIC	OCT	1988	48
NEE, WILLIAM P.	HIGH FINANCES	AUG	1988	137
NEE, WILLIAM P.	LET THERE BE MUSIC	MAR	1989	30
NEE, WILLIAM P.	ML MADE BASIC SERIES: GENERAL MATH	JUL	1988	100
NEE, WILLIAM P.	TWO-DIMENSIONAL ROTATION	APR	1989	72
NEE, WILLIAM P.	WHAT A DUMP	SEP	1988	98
REID, RANDALL	MODIFY EDTASM FOR 80 COLUMN	FEB	1989	80
REID, RANDALL	CORRECTION	JUN	1989	66
ROBERTS, STEVE			1985	164
ROSLUND, CHARLES	MINI-MONITOR FOR ML USE	OCT	1982	38
ROSLUND, CHARLES	ROM CALLS MADE THE EASY WAY	JUL	1983	18
SCHRAG, ROGER	AN FCC FIX FOR EDTASM	MAR	1984	156
SCHRAG, ROGER	PATCHING EDTASM TO RUN ON DISK	DEC	1982	29
SCHRAG, ROGER	PATCHING THE PATCH	APR	1983	194
SCHRAG, ROGER	SUPERPATCH FOR EDTASM	SEP	1983	66
WEIDE, DENNIS H.	MACHINE CODE LODER	JUL	1985	144
WHITE, RICHARD	MARRYING ML TO BASIC	MAY	1984	31

#### BUSINESS

AUTHOR	ARTICLE	МТН	YR	PAGE
ARCHER, DAVID	COCO3 NUMBER CRUNCHER	MAR	1988	146
	ADVERTISING PROFIT PREDICTOR		1988	
	FINANCING: ECONOMIC ADVANTAGE	MAR		
	CASH FLOW RATE OF RETURN	MAR	1985	
BRUNOTTE, BENJAMIN	ANOTHER FORM		1990	
CARSON, EDWARD	ANOTHER FORM FINANCIAL ANALYST PUTTING IT ON THEIR TAB		1984	
CONANT, SHAWN	PUTTING IT ON THEIR TAB		1988	
CORSON, ALAN	CUCU PUWER USER	MAY	1988	146
DAVIS, SUSAN	HINTS ON SELLING SOFTWARE I	MAR	1985	167
DAVIS, SUSAN	HINTS ON SELLING SOFTWARE II	APR	1985	154
DETTMAN, HARVEY	MARKUP AND PROFIT	MAR	1984	20
DETTMANN, HARVEY	BOOKKEEPER'S HELPER	MAR	1987	97
ERICSON, ROBERT	BUILDING SPECTACULATOR SHELLS	APR	1983	74
FOUTS, GORDON	THE PRICE IS RIGHT	APR	1990	116
GARRETT, RON	SET UP FOR ACCOUNTS RECEIVABLE			118
GARRETT, RON	WANT SOME MONEY?	NOV	1982	98
HILL, EDDIE	COSTCALC: MANUFACTURER'S COST ACCT	MAR	1984	98
HILL, EDDIE	EXPENSE TRACKING & MANAGEMENT SYS	MAR	1986	122
HILL EDDIE	CORRECTION	MAR	1986	122
HITKO, DON	WORKSHEET PRINTER		1988	
KNIGHT, GLENN		MAR	1983	
	PURCHASE ORDER - MAIL ORDER AID	MAY	1985	172
	DELIVERING THE GOODS		1988	
	PREDICTING PROFITS		1990	
MAY, CHARLES			1988	
	THE GOLDEN RETRIEVER		1990	
	PROJECT EVALUATION AND REVIEW	MAR		
MITCHELL, DENNIS	BUSINESS SOFTWARE AND THE COCO		1984	
MYERS, PAUL	FINDING THE ULTIMATE BARGAIN STARTING YOUR COMPUTER BUSINESS		1985	
			1984	
	FIND RIGHT PERSON FOR JOB	JAN		106
	MAKE AUTHORITATIVE DECISIONS		1983	132
	SMALL BUSINESS ACCOUNTING SYSTEM		1982	108
	LANDLORD'S HELPER I		1985	106
	LANDLORD'S HELPER II		1985	
	DESIGN & DEVELOPE APPLICATIONS		1985	280
	DESIGN & DEVELOPE APPLICATIONS		1984	258
SHERRILL, SAM	FEASIBILITY OF COCO SURVEY RESEARCH	APR		20
STEPHENS, BRYAN	SHOW THE FACTS	APR	1990	67 26
STUART, JOHN THOMPSON, E.C.	THE TOTAL FIGURE IN GOOD FORM	FEB MAR	1990 1988	26 72
TOTTINGHAM, BILL	RECEIPT MAKER AND FILE	MAR		22
WEIDE, DENNIS				58
WEIDE, DENNIS	COCO PAYMASTER I COCO PAYMASTER II	MAR APR		82
WEIDE, DENNIS	TURN COMPUTER INTO A CASH REGISTER	AUG	1983	138
WHALEY, CLARENCE	THE RULE OF 78S	MAR		36
WOLF, ERIC A.	PIE PLOTTER	JAN	1991	83
WOLLE, ERIC A.	LID LUCITER	OMM	エプフエ	03

#### CASSETTE

AUTHOR	ARTICLE	MTH	YR	PAGE
CARMICHAEL, CRAIG	LOADING DOUBLE SPEED TAPES	FEB	1986	76
CURTIS, H. ALLEN	CONCATENATE RAM RECORDS	JAN	1985	58
DISTEFANO, TONY	DUALING CASSETTES	JUL	1984	176
HETZLER, ED	INDEX TO CASSETTE TAPES	MAY	1985	36
LATNER, NORMAN	GETTING THE MOST FROM YOUR CASSETTE	JAN	1985	76
NELSON, MARK	FAST RELIEF FOR TAPE-LOADING	FEB	1987	182
NELSON, MARK	CORRECTION	JUN	1987	116

# CLUBS

AUTHOR	ARTICLE	MTH	YR	PAGE
COCO COMMUNITY	CLUBS AND PEN PALS	AUG	1990	86
COCO COMMUNITY	CLUBS AND PEN PALS	NOV	1990	86
COCO COMMUNITY	CLUBS AND PEN PALS	JAN	1991	87
COCO COMMUNITY	CLUBS AND PEN PALS	MAY	1991	76
COCO COMMUNITY	CLUBS, CLUBS, CLUBS	JAN	1987	70
COCO COMMUNITY	CLUBS, CLUBS, CLUBS	APR	1987	149
COCO COMMUNITY	CLUBS, CLUBS, CLUBS	MAY	1988	141
COCO COMMUNITY	CLUBS, CLUBS	AUG	1987	146
COCO COMMUNITY	CLUBS, CLUBS, CLUBS	DEC	1987	148
COCO COMMUNITY	LIST OF COCO CLUBS	JAN	1985	252
COCO COMMUNITY	LIST OF COCO CLUBS	JAN	1986	221
COCO COMMUNITY	LIST OF COCO CLUBS	JAN	1989	40
COCO COMMUNITY	LIST OF COCO CLUBS	MAR	1986	173
COCO COMMUNITY	LIST OF COCO CLUBS	APR	1985	234
COCO COMMUNITY	LIST OF COCO CLUBS	JUL	1985	244
COCO COMMUNITY	LIST OF COCO CLUBS	JUL	1986	204
COCO COMMUNITY	LIST OF COCO CLUBS	SEP	1984	238
COCO COMMUNITY	LIST OF COCO CLUBS	OCT	1985	156
COCO COMMUNITY	LIST OF COCO CLUBS	OCT	1986	189
HATHAWAY, ED	HOW TO ORGANIZE A CLUB	JAN	1989	34
HAVERSTOCK, MARK	CARE AND FEEDING OF COCO CLUB	JAN	1987	67

# COMMUNICATIONS

AUTHOR	ARTICLE	мтн	YR	PAGE
ADAMS AND LEAR	TERMINAL PROGRAM FOR COCO 3"	NOV	1986	93
ALGER, PAUL	BBS GAME: GALACTIC CONFLICT	NOV		
ALGER, PAUL	REMOTE UPDATE	NOV		
ANDERSON, DOUG	PERSONAL PASSWORD PROTECTOR	NOV		
	A LOOK AT WORKSPACE	SEP		
AUGSBURG, CRAY	BUFFER CAPTURE GARBAGE	SEP		
AUGSBURG, CRAY	BUILD AN OS-9 SUPPORT NETWORK		1986	
=	CHECKING INTO CONFERENCE		1987	
		OCT		
	DATABASE DITTIES		1986	
	DATABASE DOWNLOADING		1988	
AUGSBURG, CRAY	DELPHI BUREAU		1988	
AUGSBURG, CRAY	DELPHI BUREAU		1988	
AUGSBURG, CRAY	DELPHI BUREAU	JUL		
AUGSBURG, CRAY	DELPHI BUREAU	AUG		
AUGSBURG, CRAY	DELPHI BUREAU		1987	
AUGSBURG, CRAY	DELPHI COMMAND OPTIONS	OCT		
AUGSBURG, CRAY	DELPHI EVEN EASIER TO USE		1987	
AUGSBURG, CRAY	DELPHI NEWS		1986	_
AUGSBURG, CRAY	DELPHI: CREATING ONLINE	SEP		
AUGSBURG, CRAY	DELPHI: CREATING CONTINE DELPHI: DOWNLOADING PROBLEMS		1988	
AUGSBURG, CRAY	DELPHI: FINDING ONLINE HELP	AUG		
AUGSBURG, CRAY	DELPHI: FINDING ONLINE HELP DELPHI: TIME FOR A CHANGE	OCT		
•				
AUGSBURG, CRAY	FILES AND PROTOCOLS		1988	
AUGSBURG, CRAY	FOLLOW-UP ON SIG MAIL HELP IS JUST A SIG AWAY	DEC		
AUGSBURG, CRAY			1987	
AUGSBURG, CRAY	HELP ONE, HELP ALL	JUN		
AUGSBURG, CRAY	HELPFUL IMPROVEMENTS	NOV		
AUGSBURG, CRAY	ONLINE DEBATE TEAM	FEB		
AUGSBURG, CRAY	PERSONAL SETTINGS PROFILE		1987	
AUGSBURG, CRAY	PRESENTING THE DELPHI ADVANTAGE	APR		
	SIG CHANGES, NEW SECTIONS	FEB		
	USING MAIL IN THE SIG	NOV		
AUGSBURG, CRAY	USING THE COCO SIG		1986	
•	THE ARTISTIC BBS	NOV		
BOSSINGER, SEAN		NOV		
CHOUINARD, DANIEL			1985	
COCO COMMUNITY		AUG		
COCO COMMUNITY		NOV		
COCO COMMUNITY		JAN		
COCO COMMUNITY		MAY		77
	THE BBS'S IN NORTH AMERICA	NOV		106
COCO COMMUNITY	THE BULLETIN BOARDS	NOV		325
CROSBY, MARK	THE EVOLVING REMOTE	NOV		70
CURL, JOHN R.	NEW DELPHI ANNOUNCEMENTS	MAR		210
CURL, JOHN R.	NOTES ON DOWNLOADING THE COCO SIG	FEB		88
CURL, JOHN R.	THE COCO SIG	JAN		
DAVENPORT, ALAN		NOV		42
	BBS WRAP-UP	NOV		
DAY, R. WAYNE	MODEMING ACROSS AMERICA	NOV		
DAY, R. WAYNE	MUSIC AND A TERMINAL PROGRAM	SEP		
DAY, R. WAYNE	NEWS FROM BBS WORLD	APR		
	QUESTIONS AND ANSWERS ON COMMUNICATIONS			90
DAY, R. WAYNE	SUMMER'S BUMPER CROP OF BBS'S	NOV	1985	61

	WELCOME TO WORLD OF TELECOMMUNICATIONS	OCT	1984	126
	DO'S AND DON'TS OF MODEMING	FEB	1985	
	MODEM TO PRINTER CONNECTION	OCT		
	HAM RADIOS AND COCOS	NOV		
	SMARTS FOR A DUMB TERMINAL	MAR		
DUDGEON, J. & M.		FEB	1982	
•	COBBS COMMANDS	DEC		
•	COBBS MESSAGE EDITOR COBBS: SETTING UP SYSTEM FILES	NOV		
	COBBS: SETTING UP SISTEM FILES COBBS: USING THE SERIAL PORT	JAN FEB	1986 1986	
DUNCAN, RICHARD	INTRODUCTION TO COBBS	NOV		
	COCO AND AMATEUR RADIO	NOV	1989	
FORD, STEVEN		FEB	1990	
GOODMAN, MARTIN		FEB		
GOODMAN, MARTY		SEP		
GOODMAN, MARTY		NOV		
	CC TALK: SMART TERMINAL PACKAGE	NOV		
GRUBB, ROBERT	COBBS XMODEM ROUTINES	NOV		
HARDY, HARRY	COBBS XMODEM ROUTINES DATA COMMUNICATIONS AND COCO DATA COMMUNICATIONS AND COCO SYNCHRONOUS DATA TRANSMISSION	APR		
HARDY, HARRY	DATA COMMUNICATIONS AND COCO	JUN	1983	
HARDY, HARRY	SYNCHRONOUS DATA TRANSMISSION	NOV	1983	173
HUTCHISON, DON	DATABASE REPORT	FEB	1988	146
HUTCHISON, DON	DATABASE REPORT	MAR	1988	140
HUTCHISON, DON	DATABASE REPORT	APR	1988	157
HUTCHISON, DON	DATABASE REPORT	MAY	1988	160
HUTCHISON, DON	DATABASE REPORT	JUN	1988	163
HUTCHISON, DON	DATABASE REPORT	JUL	1987	121
HUTCHISON, DON	DATABASE REPORT	AUG	1987	102
HUTCHISON, DON	DATABASE REPORT	SEP	1987	46
HUTCHISON, DON	DATABASE REPORT	OCT	1987	100
HUTCHISON, DON	DATABASE REPORT	NOV		
HUTCHISON, DON	DATABASE REPORT	DEC	1987	
HUTCHISON, DON	DELPHI AND TAPE I/O	AUG	1988	
HUTCHISON, DON	DELPHI: AT YOUR SERVICE	MAY		
HUTCHISON, DON	DELPHI: COCO DOS?	APR		
HUTCHISON, DON	~	DEC		
	DELPHI: DATABASE REPORT	JUL		
	DELPHI: DATABASE REPORT	AUG	1988 1988	
HUTCHISON, DON HUTCHISON, DON	DELPHI: DATABASE REPORT	SEP OCT	1988	
HUTCHISON, DON	DELPHI: DATABASE REPORT DELPHI: DATABASE REPORT	NOV	1988	
HUTCHISON, DON	DELPHI: WHAT'S GOING ON?	MAR		96
HUTCHISON, DON	DELPHI: WHO HAS THE TIME?	JAN		
HUTCHISON, DON	GAMETERM; SHAREWARE TERMINALS	JUL	1989	
HUTCHISON, DON	GETTING STARTED WITH DELPHI	NOV	1987	
HUTCHISON, DON	KEY-SUB AND WEFAX AND GUIDE	NOV	1989	
HUTCHISON, DON	NEW HORIZONS	SEP	1989	
HUTCHISON, DON	THE COMPUTER CONNECTION	NOV		
HUTCHISON, DON	THE WORLD'S FIRST	DEC	1989	
HUTCHISON, DON	TOKENIZED BASIC	OCT	1989	54
ISSEL, JIM	CURRENT COMMUNICATIONS PROGRAMS	NOV	1990	62
JENKINS, DAVE	SO YOU WANT TO BE A SYSOP	NOV	1988	36
JORGENSON, MICHAEL	A FRIENDLY BBS	NOV	1987	152
KESSLER, GARY C.		NOV	1990	12
	OBSERVING THE SOCIAL GRACES	NOV	1989	
	NAME THAT TUNE WITH ULTIMUSE	APR	1990	
	OS-9 UPLOADS GROWING	JUN		
	TWO COCO BBS SYSTEM	NOV	1986	
	RS-232 INTERFACE CABLE	NOV		
LANDWEHR, LARRY		NOV		
<del>-</del>	NEW UPLOADS	MAR		
LESTER, LANE	KAINBUARD 1984	NOV	1984	44

LESTER, LANE	SUPREME SYSOP AND MODEM MONSTER	NOV	1983	20
MANNING, RIC	TEACH COCO TO DIAL UP SOME FUN	NOV	1983	122
MILLER-GAVRILUK	CHECKERS BY MODEM	NOV	1986	114
MIR, JORGE	AUTO PHONE DIALER FOR MODEM II	NOV	1983	53
MIR, JORGE	DOWNLOADING FROM VIDEOTEX	NOV	1981	9
OLIVE, TONY	GOING ONLINE	NOV	1990	46
ONLEY, RAY	AN OLD CODE IN A NEW MODE	NOV	1989	12
PLOG, MICHAEL	THOUGHTS ON DELPHI	MAR	1986	154
POPYACK, LEN	HAMMING IT UP	NOV	1986	43
ROSEN, BOB	COMMUNICATING WITH YOUR COCO	NOV	1983	192
SHARP, TONY	ADDING AN AUTO ANSWER	NOV	1984	18
SLOAN, KEVIN	A COBBS UPDATE	NOV	1988	16
TAYLOR, SCOTT M.	BBS: POWER AND PROTECTION	NOV	1985	106
TREVOR, ALEX	THE OTHER END OF THE PHONE	NOV	1983	288
WHITE, RICHARD	COMMUNICATIONS WORD PROCESSOR	JUL	1983	183
WHITE, RICHARD	DEVELOPING A PROGRAM	JUN	1983	174

#### DATABASE MANAGEMENT

AUTHOR	ARTICLE	мтн	YR	PAGE
CLARK, STEPHEN P.	JULIE 'THE MOUSE'	APR	1986	157
KUNS, EDDIE	COCO SIG REPORT	JUL	1990	62
KUNS, EDDIE	COCO SIG UPLOADS	AUG	1990	14
KUNS, EDDIE	CONFERENCE	APR	1991	54
KUNS, EDDIE	CONFERENCE CONTROL	MAY	1991	22
KUNS, EDDIE	NEW DELPHI RATES	NOV	1990	58
KUNS, EDDIE	NEW MACHINES COMING	OCT	1990	68
KUNS, EDDIE	ONLINE EFFICIENCY	JUN	1991	22
KUNS, EDDIE	ONLINE INTERACTIONS + DATABASE REPORT	SEP	1990	70
KUNS, EDDIE	SENDING MAIL ON DELPHI	DEC	1990	58
KUNS, EDDIE	USING THE SLASH	MAR	1991	61
NOLAN, BILL	CREATING A DISK MAILING LIST PROGRAM	JUL	1984	64
NOLAN, BILL	DEVELOPING A DATABASE MANAGER II	AUG	1984	22
NOLAN, BILL	DEVELOPING A DATABASE MANAGER V	NOV	1984	245
NOLAN, BILL	DEVELOPING A DISK MAILING LIST PROGRAM	SEP	1984	111
NOLAN, BILL	DISK MAILING LIST PROGRAM	DEC	1984	256
NOLAN, BILL	CORRECTION	FEB	1985	281
NOLAN, BILL	USE OF DIRECT ACCESS DISK FILES	OCT	1984	32
PERLMAN, RICHARD	DO-IT YOURSELF DATABASE, PART 3	SEP	1989	20
PERLMAN, RICHARD	DO-IT YOURSELF DATABASE, PART 4	APR	1990	12
PERLMAN, RICHARD	MAKE REPORTS FOR BILLS, CHECKS, ETC.	JUL	1990	36
SCERBO, FRED B.	THE WORLD'S EASIEST DATABASE	JUN	1985	152
WEIR, ROBERT	JUMBO INFORMATION HANDLER	NOV	1984	162

# DISK

AUTHOR	ARTICLE	мтн	YR	PAGE
ARMSTRONG, KERRY	UPGRADE THE DISK CONTROLLER	JUL	1986	68
BERENZ, MICHAEL	AN INSIDE VIEW		1987	
	SUPER-DISK CHARGER		1985	
CHARNEY, MARK	DISK FIXER	MAR	1984	196
DATER, ANDREW	DISK MENU UTILITY	FEB	1986	36
DAVIDSON, KEVIN	DEMYSTIFICATION OF ML ON DISK	DEC	1983	180
	LAZY MAN'S DISK DIRECTORY		1983	216
	A CHANGE OF ADDRESS	MAY	1984	38
	16K OF EPROM FOR CONTROLLER		1985	
DISTEFANO, TONY			1983	
		DEC	1981	1
DISTEFANO, TONY	DISC SAVEM DISK FILE CONVERSIONS SWITCHING DOUBLE-SIDED DISKS	JAN	1982	8
DISTEFANO, TONY	SWITCHING DOUBLE-SIDED DISKS	AUG	1985	162
DUNCAN, WAYNE	DISK TO TAPE TRANSFER	AUG	1984	229
DWIGHT, JEFFRY	ZAPPING WITH CONFIDENCE		1985	118
EICHSTAEDT, PETE	GATHERING UP SCATTERED PROGRAMS	FEB	1986	94
FALK, LAWRENCE	A TALE OF TWO DISCS	DEC	1981	3
GANI, PAUL	DISK MERGE	FEB	1985	175
GOODMAN, MARTIN	DISK TINKERER'S DEVICE	MAR	1986	84
GOODMAN, MARTIN	DISK TINKERER'S DEVICE FROM MS-DOS TO COCO COCO FILES TO MS-DOS DISKS	JUN	1986	182
GOODMAN, MARTY	COCO FILES TO MS-DOS DISKS	JUL	1986	176
		MAR	1989	44
HARDY HARRY	HIDE THAT DISK DIRECTORY	OCT	1983	46
HEFTER, MARTIN	LIVING WITH ONE DISK	MAR	1983	174
HEFTER, MELVIN	GETTING MORE FROM YOUR DISK DIR	JUL	1983	152
HEYZA, DOUG		AUG	1985	69
HEYZA, DOUG	CORRECTION	OCT	1985	228
HOFFMAN, PAUL	CONVERTING MICROPAINTER TO DISK	MAR	1984	132
HONAKER, SCOTT	EXERCISE YOUR DRIVES	JUN	1988	110
JORGENSON, MICHAEL	TAKE COMMAND OF COCO 3 DRIVES	FEB	1987	94
LAWSON, MATT	BACKUP AND GO	JUL	1987	98
LAWSON, MATT	CORRECTION	JUN	1988	38
LEWANDOWSKI, DENNI	DABBLING WITH DISK	OCT	1983	190
LEWANDOWSKI, DENNI	ML AND YOUR DISK DRIVE		1982	
	THE PERFECT DISK MANAGER		1987	
	MAKE AN INDEX FOR YOUR DISC	JAN	1982	23
	POKING MEMORY WITH A DISC		1982	
<del>-</del>	FIVE 'HIDDEN' TRACKS	JUN	1986	92
PEREVOSNIK, JOE	HARD COPIES OF DISK DIRECTORY	MAY	1987	92
	HARD COPY YOUR DISKETTE LISTINGS	MAR	1983	126
	DISK DIRECTORY PRINTOUT	MAR	1982	
	DISK FILE HELPS YOU KEEP TRACK	JUL		
	DISK BACKUP UTILITY		1983	
	DISK DRIVE SPEED CHECK	AUG	1984	
SCHRAG, ROGER	DISK OPERATOR REVEALS NEW ROUTINES	JUL		
•	SPECIAL USE FOR DOS COMMAND	NOV	1984	140
SCHRAG, ROGER	TAPE TO DISK TRANSFER	JAN		48
<del>-</del>	TAPE TO DISK TRANSFER	FEB	1987	73
	KEEPING TRACK WITH QUICK FIND	DEC	1983	
	SPEED UP YOUR DISK	JUN		66
	THREE DISK UTILITIES FOR FILING	DEC		
	40 OR 80 TRACKS AND DOUBLE SIDED			26
STEARMAN, COLIN			1986	
STEARMAN, COLIN	ENHANCE COCO'S DOS	SEP	1984	74

CORRECTION	OCT	1984	237
CORRECTION	NOV	1984	244
EXPLORING COCO'S DOS	JUL	1984	18
CORRECTION	AUG	1984	130
DISKSORT	DEC	1983	64
DISKETTE DIRECTORIES HANDLER I	NOV	1984	100
DISKETTE DIRECTORIES HANDLER II	DEC	1984	37
CORRECTION	APR	1985	226
DISKETTE DIRECTORIES HANDLER III	JAN	1985	120
WASHING YOUR DISKS	NOV	1983	308
TANDY DISC SYSTEM	NOV	1981	1
TANDY DISC-O	AUG	1981	5
ZONK PROOF YOUR DISK DIRECTORIES	JUN	1983	84
DISK ALIGNMENT	APR	1986	149
CRASH-PROOF IT	FEB	1986	31
BLOCKOUT TROUBLESOME GRANULES	JAN	1985	89
BLOCKOUT TROUBLESOME GRANULES	FEB	1985	250
	CORRECTION  EXPLORING COCO'S DOS  CORRECTION  DISKSORT  DISKETTE DIRECTORIES HANDLER I  CORRECTION  DISKETTE DIRECTORIES HANDLER III  WASHING YOUR DISKS  TANDY DISC SYSTEM  TANDY DISC-O  ZONK PROOF YOUR DISK DIRECTORIES  DISK ALIGNMENT  CRASH-PROOF IT  BLOCKOUT TROUBLESOME GRANULES	CORRECTION NOV EXPLORING COCO'S DOS JUL CORRECTION AUG DISKSORT DEC DISKETTE DIRECTORIES HANDLER I NOV DISKETTE DIRECTORIES HANDLER II DEC CORRECTION APR DISKETTE DIRECTORIES HANDLER III JAN WASHING YOUR DISKS NOV TANDY DISC SYSTEM NOV TANDY DISC SYSTEM NOV TANDY DISC-O AUG ZONK PROOF YOUR DISK DIRECTORIES JUN DISK ALIGNMENT APR CRASH-PROOF IT FEB BLOCKOUT TROUBLESOME GRANULES JAN	CORRECTION NOV 1984 EXPLORING COCO'S DOS JUL 1984 CORRECTION AUG 1984 DISKSORT DEC 1983 DISKETTE DIRECTORIES HANDLER I NOV 1984 DISKETTE DIRECTORIES HANDLER II DEC 1984 CORRECTION APR 1985 DISKETTE DIRECTORIES HANDLER III JAN 1985 WASHING YOUR DISKS NOV 1983 TANDY DISC SYSTEM NOV 1981 TANDY DISC-O AUG 1981 ZONK PROOF YOUR DISK DIRECTORIES JUN 1983 DISK ALIGNMENT APR 1986 CRASH-PROOF IT FEB 1986 BLOCKOUT TROUBLESOME GRANULES JAN 1985

# EDITORIAL

AUTHOR	ARTICLE	мтн	YR	PAGE
ARNOTT, JO ANNA	BUILDING APRIL'S RAINBOW	APR	1987	16
AUGSBURG, CRAY	BUILDING APRIL'S RAINBOW A NEW LOOK FOR THE RAINBOW	JUL	1990	92
AUGSBURG, CRAY	1991 RAINBOW THEMES CALENDAR	OCT	1990	95
AUGSBURG, CRAY	AN ELECTRONIC EVOLUTION	OCT	1989	14
	FROM READER TO WRITER	JAN		
<del>_</del>	HOW MANY COLORS IN A RAINBOW?	APR		124
ATTCCDITEC CDAV	TOTH THE CHORIC			123
AUGSBURG, CRAY	OS-9: ROOM FOR GROWTH OS9 CONTROVERSEY? RAINBOW ILLUSIONS THE SHOW MUST GO ON WHAT'S IN STORE? WRAPPING THE RAINBOW THE FUTURE OF THE COCO A SEASON FOR REFLECTION		1989	
AUGSBURG, CRAY	OS9 CONTROVERSEY?	_		95
AUGSBURG, CRAY	RAINBOW ILLUSIONS			124
AUGSBURG, CRAY	THE SHOW MUST GO ON		1990	
AUGSBURG, CRAY	WHAT'S IN STORE?		1990	
AUGSBURG, CRAY	WRAPPING THE RAINBOW		1991	
BARDEN, WILLIAM JR	THE FUTURE OF THE COCO	AUG	1990	60
FALK, LAWRENCE C.	A SEASON FOR REFLECTION	DEC	1988	10
FALK, LAWRENCE C.	ALL ABOUT COCO 3		1986	
FALK, LAWRENCE C.			1987	
FALK, LAWRENCE C.			1987	
FALK, LAWRENCE C.			1987	
FALK, LAWRENCE C.	BALANCING A RAINBOW		1989	
FALK, LAWRENCE C.	CHANGES FOR THE NEXT YEAR		1987	
FALK, LAWRENCE C.			1987	
FALK, LAWRENCE C.			1986	
FALK, LAWRENCE C.			1990	
FALK, LAWRENCE C.		APR	1989	10
	COME VISIT FALSOFT: CHICAGO RAINBOWFEST	AUG	1986	12
FALK, LAWRENCE C.		MAY		
FALK, LAWRENCE C.		APR		
FALK, LAWRENCE C.	COMMENTS ON COCO 3	SEP		
FALK, LAWRENCE C.		NOV	1988	8
FALK, LAWRENCE C.	DOCUMENTATION	FEB	1991	8
FALK, LAWRENCE C.	DOCUMENTATION FIFTH ANNIVERSARY MEMORIES FUTURE FOR THE COCO GOODBYE TO STEVE BLYN HARDWARE HERE TO STAY HOW TO PROMOTE THE COCO		1986	
FALK, LAWRENCE C.	FUTURE FOR THE COCO		1988	
FALK, LAWRENCE C.	GOODBYE TO STEVE BLYN	JAN	1991	8
FALK, LAWRENCE C.	HARDWARE	MAR	1991	8
FALK, LAWRENCE C.	HERE TO STAY		1989	
FALK, LAWRENCE C.	HOW TO PROMOTE THE COCO		1987	
FALK, LAWRENCE C.		JAN		12
FALK, LAWRENCE C.	MUSIC	APR	1991	8
FALK, LAWRENCE C.	OCTOBER MAGIC	OCT	1988	10
FALK, LAWRENCE C.		MAY	1991	8
FALK, LAWRENCE C.	PROGRAMMING	JUN	1991	8
FALK, LAWRENCE C.	RAINBOW SEAL OF CERTIFICATION	SEP	1987	12
FALK, LAWRENCE C.	RAINBOW SUPPORTS ALL MODELS OF COCO	MAY	1988	12
FALK, LAWRENCE C.	SEASONS OF CHANGE	APR	1988	12
FALK, LAWRENCE C.	SIXTH ANNIVERSARY COMMENTS	JUL	1987	12
FALK, LAWRENCE C.	SOME POST-RAINBOWFEST REFLECTIONS	AUG	1988	10
FALK, LAWRENCE C.	SOME RANDOM THOUGHTS	FEB	1988	12
FALK, LAWRENCE C.		JUN		
FALK, LAWRENCE C.		JAN		
FALK, LAWRENCE C.		JUN		
FALK, LAWRENCE C.	TANDY'S GOT IT		1986	12
FALK, LAWRENCE C.			1988	10
FALK, LAWRENCE C.		JUL	1988	10

FALK, LAWRENCE C.	THOUGHTS ABOUT COCO SALUTE TO BARRY THOMPSON	AUG	1990	8
FALK, LAWRENCE C.	SALUTE TO BARRY THOMPSON	JUL	1990	8
FALK, LAWRENCE C.	SCHOOL DAYS	SEP	1990	8
FALK, LAWRENCE C.	SUPPORT THE COCO!!	DEC	1990	8
FALK, LAWRENCE C.	WE'RE DOING OK	OCT	1987	12
-	WHAT'S GOOD FOR GENERAL BULLMOOSE	MAR	1989	10
FALK, LAWRENCE C.		NOV	1990	8
FALK, LONNIE	A HELPING HAND	APR	1990	10
	A NEW SITE FOR RAINBOWFEST	SEP	1989	10
FALK, LONNIE	A TRANSITION AT THE RAINBOW	OCT	1989	10
FALK, LONNIE	CANADIAN FUTURE II	DEC	1989	10
FALK, LONNIE	EIGHT YEARS STRONG	AUG	1989	10
FALK, LONNIE	CANADIAN FUTURE II EIGHT YEARS STRONG FUN AT THE FEST HISTORY IN THE MAKING NEW LIFE FOR COCO SPREAD THE WORD!	JUL	1989	12
FALK, LONNIE	HISTORY IN THE MAKING	JAN	1990	10
FALK, LONNIE	NEW LIFE FOR COCO	MAR	1990	10
		NOV	1989	10
FALK, LONNIE	SPRING FORWARD, LOOK BACK	MAY	1990	10
KAPFHAMMER, JUTTA	BUILDING OCTOBER'S RAINBOW	OCT	1987	16
KAPFHAMMER, JUTTA	CONTINUING RAINBOW'S DEVELOPMENT	SEP	1987	16
	INTRO TO BEGINNERS ISSUE	JAN	1988	16
KAPFHAMMER, JUTTA	INTRO TO BUSINESS AND FINANCE ISSUE	MAR	1988	16
KAPFHAMMER, JUTTA	INTRO TO HOME HELP ISSUE	APR	1988	16
KAPFHAMMER, JUTTA	INTRO TO UTILITIES ISSUE	FEB	1988	16
KAPFHAMMER, JUTTA	UPCOMING CHANGES	MAY	1988	16
REED, JAMES E.	ALL ABOUT COCO 3	SEP	1986	16
REED, JAMES E.	ASSORTED COMMENTARY	AUG	1986	16
REED, JAMES E.	ATTACH A COCO TO YOUR EXERCISE BIKE	MAY	1987	16
REED, JAMES E.	BUILDING JULY'S RAINBOW	JUL	1987	16
REED, JAMES E.	BUILDING MARCH'S RAINBOW	MAR	1987	16
REED, JAMES E.		DEC	1986	16
REED, JAMES E.	COMMENTS ON COPYRIGHT ISSUES	NOV	1986	16
REED, JAMES E.	DISCUSSION OF CHICAGO RAINBOWFEST	JUN	1987	16
REED, JAMES E.	INTRO TO TELECOMMUNICATIONS ISSUE	NOV	1987	16
REED, JAMES E.	INTRODUCTION TO BEGINNERS ISSUE	JAN	1987	16
REED, JAMES E.	JUST CAN'T RETIRE THE OLD COCO 1	FEB	1987	16
REED, JAMES E.	DISCUSSION OF CHICAGO RAINBOWFEST INTRO TO TELECOMMUNICATIONS ISSUE INTRODUCTION TO BEGINNERS ISSUE JUST CAN'T RETIRE THE OLD COCO 1 JUTTA KAPFHAMMER AS NEW MANAGING EDITOR	AUG	1987	16
REED, JAMES E.	NOTES FOR BEGINNERS	$\mathtt{JUL}$	1986	16
REED, JAMES E.	WANTS HELP WRITING BOOK ABOUT COCO	DEC	1987	12

# EDUCATION

AUTHOR	ARTICLE	мтн	YR	PAGE
ALBRECHT-ZAMORA	COMMENTS FOR PARENTS OF SMALL CHILDREN	JAN	1985	48
ALBRECHT-ZAMORA	DRAGON-TOWN LIBRARY	OCT		
ALBRECHT-ZAMORA	EASY TO PLAY ADVENTURE GAME	NOV		
ALBRECHT-ZAMORA	EXAMPLES FROM THE GAME 'REVERSE'	SEP		
ALBRECHT-ZAMORA	GENERAL INFO USEFUL TO PARENTS	AUG		
ALBRECHT-ZAMORA	HAVING FUN WITH NUMBER PATTERNS	FEB		
ALBRECHT-ZAMORA	HELP WANDERING STAR		1985	
ALBRECHT-ZAMORA	HINTS FOR PARENTS OF YOUNG CHILDREN		1985	
ALBRECHT-ZAMORA	MAKING YOUR OWN MANDALA	SEP		
ALBRECHT-ZAMORA	SHORT DEMOS FOR CHILDREN	SEP		
ALBRECHT-ZAMORA	SHORT PROGRAMS FOR CHILDREN		1985	
ALBRECHT-ZAMORA	WANDERING STAR FINDS GOURMET OASIS		1985	
ALBRECHT-ZAMORA	WANDERING STAR LEARNS TO PEEK	JUN		
BARDUS, SHARON	THE YOUNG, THE OLD AND COLOR LOGO	OCT		
BELL, BRUCE K.	EARLY MATH PROBLEMS QUIZ	SEP		
BENNETT, JIM	THE VOCABULARY TIGHTROPE	JUL		
BENOIT, GARY	ELEMENTS	SEP		
BERNICO, BILL		SEP		
BERNICO, BILL		OCT		
	HELP TEACHER TOTAL SCORES	SEP		
BERNICO, BILL		SEP		
BERNICO, BILL		SEP		
	TEACHES SIGN LANGUAGE	SEP		
<del>-</del>	WORK ON YOUR GRAMMAR	FEB		
	DEMONSTRATES ARTIFICIAL INTELLIGENCE	SEP		
BLYN, STEVE	'USER FRIENDLY' REQUIRES FRIENDLY USERS	JAN	1983	
BLYN, STEVE	A SQUARE DEAL FOR TEACHING MATH	JUN		
	A WORKING ALARM CLOCK	DEC		
	AN ADJECTIVE REVIEW	OCT	1986	152
BLYN, STEVE		MAR	1989	28
	AVOID THE AVALANCHE WITH TEACHER'S AID	DEC	1983	294
	BAR GRAPH OF CHILDREN'S TEST SCORES	JUN	1983	28
	BINARY DICE CONVERSIONS		1986	
BLYN, STEVE	BUILDING LANGUAGE ARTS SKILLS	MAR	1986	152
BLYN, STEVE	BUILDING LANGUAGE ARTS SKILLS BUILDING READING SKILLS BUT, WHAT DID I GET WRONG?	AUG	1989	64
BLYN, STEVE	BUT, WHAT DID I GET WRONG?	MAR	1983	152
		JAN	1991	34
BLYN, STEVE	CARRIER'S COLLECTION CHART	AUG		80
BLYN, STEVE	COMPUTER ASSISTANCE IN CONCEPT DEVELOPMEN	AUG	1983	152
	COMPUTING INTEREST PAYMENTS	MAR	1985	175
BLYN, STEVE	CONVERT INCHES, FEET AND YARDS	JAN	1989	72
	COUNTING ON COCO	JAN	1987	76
BLYN, STEVE	CRACKING CODES	OCT	1989	52
BLYN, STEVE	CREATE A CALENDAR	SEP	1984	96
BLYN, STEVE	CREATE FORMS OF SUBSTANCE	JUL	1983	130
BLYN, STEVE	CROSS REFERENCE DRILL	SEP	1988	136
BLYN, STEVE	DAILY SCHEDULE PICTOGRAPH	SEP	1985	44
BLYN, STEVE	DESIGN PROGRAMS TO HELP CHILDREN LEARN	JUL	1982	18
BLYN, STEVE	DEVELOP DICTIONARY SKILLS	NOV	1984	254
BLYN, STEVE	DEVELOPING LOGICAL REASONING SKILLS	JUL		132
BLYN, STEVE	DICTIONARY SKILLS PROGRAM	APR	1989	98
	DRILL ON SENTENCE STRUCTURE	APR		
	EDUCATIONAL FOOTBALL QUIZ	OCT		94
BLYN, STEVE	ELEMENTARY COORDINATE GEOMETRY	MAY	1985	81

BLYN, STEVE	ELEMENTARY EDUCATION GAME	JUN	1985	45
BLYN, STEVE	ESTIMATING EXPENSES	JAN	1988	54
BLYN, STEVE				
BLYN, STEVE		AUG	1986	_
BLYN, STEVE			1984	43
BLYN, STEVE	FRACTION ACTION	MAY		56
BLYN, STEVE	FUN WITH PHONICS	MAR	1988	89
BLYN, STEVE	GATHERING INFO FROM COCO ENCYCLOPEDIA	DEC		
BLYN, STEVE	GETTING A FIX ON TRIANGLES	SEP	1987	
BLYN, STEVE	GOOD REINFORCEMENT MEANS NO FROWNS	AUG	1982	41
BLYN, STEVE	GRAPHICS WORTH 1000 ALPHANUMERICS	FEB	1984	
BLYN, STEVE	GUESS THE MISSING NUMBER	JUN		
BLYN, STEVE		JAN		
BLYN, STEVE BLYN, STEVE		SEP JUL	1990 1990	
BLYN, STEVE		FEB	1989	
BLYN, STEVE	INTEGERS IN ORDER	JUN		18
BLYN, STEVE	KILLING FLIES WITH THE FRIENDLY TOOL	MAR	1984	
BLYN, STEVE	LANGUAGE ARTS GAME	JUL		56
BLYN, STEVE	LEARNING ABOUT RATIOS	SEP		
BLYN, STEVE	LEARNING ABOUT SCALES (MAPS)	MAY		_
BLYN, STEVE	LEARNING THE SIGNS	AUG		
BLYN, STEVE	LOCATING POINTS ON A GRAPH	APR		_
BLYN, STEVE		SEP	1982	35
BLYN, STEVE		MAR	1987	
BLYN, STEVE	METRIC	MAY		
BLYN, STEVE		SEP	1986	
BLYN, STEVE		AUG	1987	97
BLYN, STEVE	ONE-ON-ONE MATH DRILLS	FEB	1990	94
BLYN, STEVE	PERSONALIZED CERTIFICATES	OCT	1983	106
BLYN, STEVE	PREPARING FOR THE RIGHT CAREER CHOICE	JAN	1986	108
BLYN, STEVE	PRESIDENTIAL ELECTION PREVIEW	APR	1988	70
BLYN, STEVE	PRESIDENTS TAKE PRECEDENCE	FEB	1987	46
BLYN, STEVE	PROBABILITY	NOV	1989	24
BLYN, STEVE	PROGRAMMING A COMPUTER ILLITERATE SCHOOL	SEP	1983	50
BLYN, STEVE	PROPER GRAMMAR IMPORTANT IN PROGRAMS	OCT	1982	26
BLYN, STEVE	RAINY DAY ACCOUNT	AUG	1985	148
BLYN, STEVE	RANDOM OFTEN NEEDS A HELPING HAND	FEB	1983	
BLYN, STEVE	READING EXERCISE	NOV		
BLYN, STEVE	RECITE 'PLEDGE OF ALLEGIANCE'	NOV		
	RESTAURANT RECKONINGS	FEB	1988	
	REVIEW OF PUNCTUATION MARKS	OCT		_
	REVIEW OF SYNONYMS	MAY		
	REVIVING A NEARLY LOST ART	JAN		
	SHARPEN REFERENCE SKILLS	JUN		
BLYN, STEVE		JUN		
	SOLVING VERBAL MATH PROBLEMS	JUL		
•		DEC		
	SWINGING WITH BASEBALL INTEREST	MAY		
	TAKE THIS MESSAGE, PLEASE!	JUL		
	TEACHE CUILDEN TO FOLLOW DIRECTIONS	DEC		
BLYN, STEVE	TEACHES CHILDREN TO FOLLOW DIRECTIONS	OCT		
BLYN, STEVE BLYN, STEVE	TEACHING CHILDREN TIME CONCEPTS TEACHING LANGUAGE IDIOMS	MAY JUN		
BLYN, STEVE	TEACHING LANGUAGE IDIOMS TEACHING LINE GRAPHS	APR		
BLYN, STEVE	THE THREE BEARS COME OF AGE	NOV		
BLYN, STEVE	TO RHYME OR NOT TO RHYME	DEC		
BLYN, STEVE				
=	UPGRADING KEYBOARD SKILLS			
	VALUE OF COMPARISON SHOPPING			
BLYN, STEVE			1990	
=	WORKING WITH THE ELECTRONIC BOOK I			
<del>-</del>				-

	WORKING WITH THE ELECTRONIC BOOK II	DEC	1985	30
	YOUR CHILD'S SELF IMAGE	FEB		_
		APR		
		SEP		
		SEP		
COOPER, RICK		SEP AUG		
CROOKS, MARY	COMMON DENOMINATOR FOR MATH STUDY AND EAS			
<del>-</del>	SPELLING DRILL AND PRACTICE I	SEP		_
=	SPELLING DRILL AND PRACTICE II	OCT		
	FONEHOME-ET COULD HAVE USED THIS ONE			_
	HERE'S THE ANSWER, WHAT WAS THE QUESTION?			_
	REPORT CARD PAYOFF	SEP	1987	20
DUNCAN, JAMES	LEARNING YOUR ABCS	SEP	1987	72
FAESSLER, CHUCK	POP QUIZ: NAME 50 CAPITALS	APR	1983	34
FRENCH, PAUL	IOWA LEMONADE	APR	1983	60
GARRETT, NORMAN	RANDOM LAB SCHEDULER	SEP	1983	18
GERMAN, J.D.	PUT KEYBOARD ON THE SCREEN	MAR	1984	128
GORDLEY, RICHARD	LONG DIVISION DRILL	SEP	1988	53
GORDLEY, RICHARD	MEASURE SPEED READING AND COMPREHENSION	SEP	1987	140
GORDLEY, RICHARD		OCT	1987	50
	MEASURING YOUR INCHES	SEP	1983	122
GRAY, THOMAS		DEC	1983	124
	ROMAN NUMERAL DRILL	APR		
	AN EDUCATIONAL U.S.	MAR	1982	
		JAN	1983	
HYRE, LEONARD	MATH QUIZ	SEP	1985	
INMAN, DON	COLOR LOGO WITH PRINTING COMPARE GRAPHICS BY BASIC OR LOGO EDUCATION THROUGH GRAPHICS	OCT		
INMAN, DON	COMPARE GRAPHICS BY BASIC OR LOGO	JUL		
		AUG	1984	_
	EDUSPELL	DEC		
	ALL THINGS IN PROGRESSION	FEB	1989	
	MENTAL MATH BLOCKS	SEP		
KENNY, KEIRAN		SEP		
KENNY, KEIRAN		SEP		
		SEP		
<del>-</del>	COCO AND THE EDUCATIONAL ADMINISTRATOR	NOV		
	EDUCATION AND THE COCO	APR		
	EDUCATION AND THE COCO FURNITURE FOR CLASSROOM COMPUTER	JUN MAR		
	A COCO EDUCATIONAL NETWORK	JAN		
	COCO AS AN EDUCATIONAL BARGAIN	FEB	1983	
	SOFTWARE IN THE CLASSROOM	DEC		
	MULTIPLE CHOICE TEST GENERATOR	SEP	1984	
	A CATERPILLAR'S ALPHABET	AUG		
	PARLEZ-VOUS COCO FRANCAIS?	DEC		
•	PROGRAM TO TEACH ENGLISH	FEB	1985	
	TEACH THE MONTHS OF THE YEAR	JUL		
	TRANSLATION SENSATION	JUL		
	UNCOMPLICATING TRANSLATING	AUG	1986	
	MAKE MULTIPLE-CHOICE QUIZ	JAN	1986	
KONECKY, LARRY		SEP	1983	
KRETSCHMER, J.C.	ESTIMATING READING DIFFICULTY	JUN	1983	148
LABELLE, RUSS	ESTIMATING READING DIFFICULTY OH! CANADA	SEP	1985	124
LAMONICA, MARY-JAM	COCO MATH CLASS	JAN	1986	88
LATHAM-ERICKSON	MICRO-MELTDOWN: NUCLEAR REACTOR SIMULATIO	APR	1983	112
<u> </u>	ELECTRONIC GRADEBOOK	SEP	1982	8
LESTER, LANE	ILLUSTRATING LECTURES WITH GRAPHICS	JAN	1983	136
	BINARY MATH PRACTICE	MAY	1988	100
LIGON, ELIZABETH		SEP		
	SOUNDING OUT THE ABC'S	FEB		
LUETKE, PAUL	GRADE AVERAGING AID	SEP	1983	228

	TEACH COLOR CODES OF RESISTORS	JUL		
MAURO, ROBERT		SEP		
	ABC IS NOT JUST CHILD'S PLAY	SEP		
MILLER, RALPH	PRESIDENTIAL DRILL	NOV		
MIR, JORGE	HELP PREPARE FOR FINAL EXAMS ACHIEVING SIMPLE EQUALITY		1982	
MONROE, RICHARD	ACHIEVING SIMPLE EQUALITY	JUL		
MUSUMECI, JOHN	GOODBYE FLASHCARDS	SEP		
MYERS, PAUL	FOUR FOR FUN TEACH CHILDREN HOW TO READ A CLOCK	JAN		
		SEP		
	SIMULATE A DICTIONARY DRILL FOR EVEN AND ODD NUMBERS	SEP	1985 1988	
	THE OLD FASHIONED CLOCK	NOV SEP		
		OCT		
PESHA, RONALD	STATISTICS IN THE CLASSROOM SPELLING PRACTICE	MAR		
-	GREETINGS FROM UNCLE BERT	JAN		
PETERSON, DALE	GREETINGS FROM UNCLE BERT	FEB	1984	
PETERSON, DALE	CREETINGS FROM UNCLE BERT	MAR		
PETERSON, DALE	GREETINGS FROM UNCLE BERT GREETINGS FROM UNCLE BERT	APR		
PETERSON DALE	GREETINGS FROM UNCLE BERT	MAY		
PETERSON, DALE	GREETINGS FROM UNCLE BERT	JUN		
PETERSON, DALE	GREETINGS FROM UNCLE BERT	JUL		
PETERSON, DALE	GREETINGS FROM UNCLE BERT	AUG		
PETERSON, DALE	GREETINGS FROM UNCLE BERT	SEP		
PETERSON, DALE		OCT		
	GREETINGS FROM UNCLE BERT	NOV		
	GREETINGS FROM UNCLE BERT	DEC		
	MANY LOGO EXAMPLES	JUL	1984	
PLAXTON, JOHN	SCRIPT PROVIDES REMEDIAL HELP	DEC		
PLOG, MICHAEL	AN EVOLVING CURRICULUM	MAY		
PLOG, MICHAEL	APPROACHES FOR LIFELONG LEARNING	AUG	1987	32
PLOG, MICHAEL	BIGGER ISN'T ALWAYS BETTER	FEB	1984	
PLOG, MICHAEL	CHANGES IN THE MICRO REVOLUTION	NOV	1983	115
PLOG, MICHAEL	COMMENTS ON MICROS IN SCHOOLS	FEB	1985	181
PLOG, MICHAEL	COMMENTS ON MICROS IN SCHOOLS	DEC	1984	265
PLOG, MICHAEL	COMPARING THE CURVES	MAY	1987	82
PLOG, MICHAEL		OCT	1984	23
PLOG, MICHAEL	COMPUTER AS A TEACHER COMPUTER CONSORTIA CONSOLIDATIONS	JUL	1984	48
PLOG, MICHAEL	COMPUTER CONSORTIA CONSOLIDATIONS	MAR	1984	185
PLOG, MICHAEL	COMPUTER'S ROLE IN STUDENT TESTING	MAY	1985	31
PLOG, MICHAEL	COMPUTERS IN ART EDUCATION	OCT	1985	55
	COMPUTERS IN EDUCATION	JUN	1984	51
	COMPUTERS IN SCHOOL MANAGEMENT	NOV	1987	150
		APR		
-	DO TEACHERS LIKE COMPUTERS?	FEB	1987	
		APR		
-	EDUCATION TEXAS STYLE	MAY		
•	EFFECTIVE COMPUTER LITERACY METHODS	JUL		
PLOG, MICHAEL	FINDING RESOURCES FOR COMPUTER LEARNING			
PLOG, MICHAEL	HOW VALUABLE IS HANDS-ON LESSONS?	SEP		
		DEC		
=		SEP		
PLOG, MICHAEL		APR		
PLOG, MICHAEL PLOG, MICHAEL		SEP		
	LET YOUR CLASS DO SOMETHING PRACTICAL			
PLOG, MICHAEL	NETWORKING FOR BETTER SOFTWARE EVALUATION			
PLOG, MICHAEL PLOG, MICHAEL	NEW TRENDS IN EDUCATIONAL COMPUTING NOT JUST A STUDENT LEARNING TOOL	NOV		
	OPPOSING VIEWS ON COMPUTERS IN EDUCATION			
		APR		
PLOG, MICHAEL PLOG, MICHAEL	PROGRAMMING THE LOGO TURTLE	DEC		
PIOG, MICHAEL	PUTTING HISTORY IN YOUR FUTURE READING VS COMPUTERS	MAR		
PLOG, MICHAEL	READING VS COMPUTERS RISE OF THE MICROCOMPUTER	AUG		
1200, MICHAEL	ALDE OF THE MICHOCOMPUTER	AUG	<b>1</b> 704	31

PLOG, MICHAEL	ROBOTS: THEIR PLACE IN EDUCATION	JUN	1986	86
PLOG, MICHAEL	ROLE OF TEACHERS IN EDUCATIONAL SOFTWARE	JUN	1987	32
	SCHOOLS GET A REPORT CARD	FEB	1986	138
	SOME EDUCATIONAL USES FOR COCO	AUG		
	SPECIAL EDUCATION AND THE COMPUTER	JUL	1986	
PLOG, MICHAEL	TANDY GRANTS	SEP	1986	76
PLOG, MICHAEL	THE LEARNING PROCESS THE MOST IMPORTANT EDUCATORS OF ALL THE QUESTION OF ASSESSMENT USE COCO IN VIDEOTAPE EDITING	JAN		
PLOG, MICHAEL	THE MOST IMPORTANT EDUCATORS OF ALL	NOV	1986 1987	166 176
PLOG, MICHAEL	THE QUESTION OF ASSESSMENT	JAN AUG	1986	97
PLOG, MICHAEL  PLOG MICHAEL	USE COMPUTER TO DEVELOP CLASSROOM MATERIA		1985	_
	VALUE OF TRADITIONAL SKILLS	JAN	1984	68
	WHAT IS COMPUTER LITERACY?	OCT	1983	
	COCO TESTMAKER REVISITED	SEP	1986	
	COMPUTERIZED GRADE BOOK	SEP	1986	47
	MEASURE FOR MEASURE	SEP	1983	226
QUEEN, WILLIAM		MAY	1989	76
QUELLHORST, GEORGE	SOLITAIRE	MAY	1991	78
=	LEARNING CHEMISTRY	FEB	1991	66
RAMELLA, RICHARD	MULTO OF MARS PRACTICE IN VOCABULARY	JUN	1985	18
		SEP	1985	117
	USE YOUR PRINTER TO MAKE STENCILS	SEP	1984	140
RIGSBY, MIKE		SEP	1986	88
RITTENHOUSE, JAMES		SEP	1987	
	GRAPHIC LOOK AT BASIC TRIGONOMETRY	JAN	1983	
SAITO-ALBRECHT	A JOYFUL FAMILY EXPERIENCE	FEB	1984	132
	MINING RAINBOW GOLD	MAR	1984	61
	PLAY TOGETHER, STAY TOGETHER	JUN		
	PUTTING THINGS IN ORDER	JUL		52
	THROUGHT ANCIENT CAVES WE WENDED	APR	1984	
	WATCHING IMPORTANT PROGRAM EVALUATORS	MAY		60
SCERBO, FRED	A REAL CLEF HANGER	MAY		36
	A SIMULATION OF LIFE SKILLS	FEB	1986	
	ADVENTURE FOR COCO AND MC-10	JAN		
=	CALCULATE DIFFERENCES IN TIME	APR		
SCERBO, FRED		APR		
	COCO TOURNAMENT PROGRAMS	OCT		_
	COCO TOURS THE STATES	NOV		
SCERBO, FRED	COCO USES COMMA SENSE	JUL		167
	COMPUTER-PACED LEARNING CONTINUE TOURING THE STATES	DEC		28
	DRILLER II	OCT		
	E-Z-THELLO	JUL		
	E-Z-THELLO PLAYS BACK	AUG		_
SCERBO, FRED	FRACTIONS, DECIMALS AND WHOLE NUMBERS	JAN		
	GENERATE EDUCATIONAL OBJECTIVES	MAY		
	GETTING THE HOLE PICTURE ON FRACTIONS	JUL		
=	GRAMMAR 101 PART II	JUN		
•	GRAPHIC SIMULATION OF BLOOD FLOW	MAY		
	GROWING UP WITH COCO	NOV	1988	
	IT STRIKES A CHORD	APR	1990	118
	JUST SAY GOODNIGHT GRACIE	JUN	1989	
	KEYBOARD TRAINING	JUL	1987	112
SCERBO, FRED	LEARN TO GIVE AND TAKE	JAN	1990	42
SCERBO, FRED	LEARN TO READ A RULER	JUN	1986	117
SCERBO, FRED	LEARN TRAFFIC SAFETY RULES	DEC	1987	52
SCERBO, FRED	LEARNING LETTER SEQUENCE	JUN	1990	22
SCERBO, FRED	LEARNING LETTERS	DEC	1989	60
SCERBO, FRED	LEARNING THE VALUE OF NUMBERS	APR	1986	118
SCERBO, FRED	MAKE COMPOSITION WRITING SIMPLE	DEC	1988	150
SCERBO, FRED	MATCHING OPPOSITES	AUG	1988	92
SCERBO, FRED	MATH PROGRAM USING VOICE-PAK	FEB	1985	118

=	MATH WORKSHEET GENERATOR PROGRAM			
SCERBO, FRED			1987	76
	MONEY AND MATH	SEP	1990	
SCERBO, FRED	MULTI MATH DRILLER	SEP	1984	225
SCERBO, FRED	MUSIC CLASS 101	FEB	1990	
SCERBO, FRED	NUMBER PLACEMENT	OCT	1990	
SCERBO, FRED	MUSIC CLASS 101 NUMBER PLACEMENT OPPOSITE ATTRACTION READING AND DECODING SKILLS RECOGNIZING COMPLETE SENTENCES REVISING THE RESERVOIR	SEP		
SCERBO, FRED	READING AND DECODING SKILLS	MAY		
SCERBO, FRED	RECOGNIZING COMPLETE SENTENCES REVISING THE RESERVOIR RIGHT ON TIME ROAD SKILLS INSTRUCTOR SAY NO TO DRUGS SENTENCE SAVVY SIMULATION OF THE HEART	JAN	1988	90
SCERBO, FRED	REVISING THE RESERVOIR	APR	1988	146
SCERBO, FRED	RIGHT ON TIME	MAR	1990	12
SCERBO, FRED	ROAD SKILLS INSTRUCTOR	SEP	1987	90
SCERBO, FRED	SAY NO TO DRUGS	SEP	1989	66
SCERBO, FRED	SENTENCE SAVVY	MAR	1988	78
SCERBO, FRED	SIMULATION OF THE HEART	JUN	1987	106
SCERBO, FRED	SOME EDUCATIONAL PROGRAMS	APR	1985	74
SCERBO, FRED	SPEAKING SPELLING PROGRAM	FEB	1987	166
SCERBO, FRED	SUPER MATHSHEET GENERATOR II	NOV	1985	79
SCERBO, FRED	TEACH FUNDAMENTAL MATH SKILLS	FEB	1989	82
SCERBO, FRED	SIMULATION OF THE HEART SOME EDUCATIONAL PROGRAMS SPEAKING SPELLING PROGRAM SUPER MATHSHEET GENERATOR II TEACH FUNDAMENTAL MATH SKILLS THE SCREEN QUIZZER THE SPELLING GAME	APR	1984	52
SCERBO, FRED	THE SPELLING GAME	AUG	1987	92
SCERBO, FRED	THE ULTIMATE TESTING PROGRAMS	FEB	1988	94
SCERBO, FRED	THREE TRIPS TO THE WELL	JUL	1984	162
SCERBO, FRED	TWELVE MONTHS OF FUN	MAY	1989	92
CC=DDC =D=D	INDED COLUMN THE HEAD HEAD	OCT	1987	158
SCERBO, FRED	UPDATING THE COLOR CHANGE QUIZ USES GRAPHICS TO COUNT CHANGE VISUALIZING FRACTIONS 2 VISUALIZING FRACTIONS 3 VISUALIZING FRACTIONS 4 WHERE'S THE LOGIC? THE ODD MAN OUT TEACHER'S AID	SEP	1986	98
SCERBO, FRED	USES GRAPHICS TO COUNT CHANGE	AUG	1985	142
SCERBO, FRED	VISUALIZING FRACTIONS 2	JAN	1991	40
SCERBO, FRED	VISUALIZING FRACTIONS 3	FEB	1991	40
SCERBO, FRED	VISUALIZING FRACTIONS 4	MAR	1991	20
SCERBO, FRED	WHERE'S THE LOGIC?	JAN	1989	80
SCHNEIDER, HAROLD	THE ODD MAN OUT	OCT	1986	125
SHELTON, GARRY	TEACHER'S AID	SEP	1985	46
SHERMAN-BALDASSARY	MAKE MULTIPLE CHOICE TESTS	SEP	1985	30
SMITH, BILL	WIPE OUT LETTERS	SEP	1987	74
	LEARN INTERNATIONAL CODE FLAGS	AUG	1990	10
TAULLI, T.C.		JUL	1985	129
TAULLI, T.C.		NOV	1985	184
	THE ABC GAME	SEP	1984	156
TCHUDI, STEPHEN	TEACHER'S HELPER, STUDENT'S FRIEND	SEP		
TCHUDI, STEPHEN	USE COCO TO DEVELOP COMPOSITION TOPICS	SEP	1983	139
TERRIO, CHRISTINE	SPELLING PRACTICE LISTS	JAN	1987	32
TOSCANO, LOUIS	THE ELECTRONIC BLACKBOARD	SEP	1987	106
TURNER, DEL	IS IT FISH, PHISH OR PHEISH?	JUN	1987	148
TUROWSKI, DONALD	I BEFORE E EXCEPT AFTER C	SEP	1986	78
TUROWSKI, DONALD	SEATING CHART FOR CLASSROOM	SEP	1988	45
VASCONI, EUGENE	HELP WITH ASTRONOMY	SEP	1985	
	LEARN ROMAN NUMERALS	SEP	1988	
WELLS, GEOFF	NEW WAY TO MAKE WORDS	SEP	1982	95
WHITE, EDWARD	PRESIDENTIAL QUIZ	SEP	1986	153
WILFORE, JOHN	WORD SCRAMBLER FOR SPELLING LISTS	SEP	1984	131
•				-

#### **GAMES**

AUTHOR	ARTICLE	мтн	YR	PAGE
AT.RRECHT BOR	CAREFULLY CONTRIVED SUPERHERO	OCT	1983	170
ALBRECHT, BOB	CREATING CHARACTERS FOR FUN AND ADVENTURE	FEB	1983	26
ALBRECHT, BOB	DESIGN YOUR OWN CHAMPION	NOV	1983	
ALBRECHT, BOB			1983	-
<del>-</del>	ALOYSIOUS AND THE SEVEN CHARACTERISTICS		1984	
	CREATING RANDOM NAME FILES		1984	113
	EXPANDING YOUR CHARACTER FILE PROGRAMS		1983	_
	FROM TETRATO ICOSAHEDRON		1983	
	INPUTTING YOUR ROLE PLAYING CHARACTERS		1984	
	MYSTERIOUS AND UNPREDICTABLE RND		1984	
_	MYSTERIOUS AND UNPREDICTABLE RND		1982	
_	RND COMMAND IS ONE SECRET TO GOOD GAMES		1982	_
	THREE FRIENDS' OUTCOME A BIT DICEY			168
	VENTURE INTO THE WORLD OF LET'S PRETEND		1982	
	WHO IS THIS ONE CALLED CVCVC?		1983	
			1988	_
ALLEN, SCOT	SEEKING IMMORTALITY THE QUEEN'S QUARREL KEEPING SCORE WITH COCO THE VOTE IS IN AN A-MAZING GAME FOR YOUR FUN		1987	
ASHBY, LOU	KEEPING SCORE WITH COCO		1987	
AUGSBURG, CRAY	THE VOTE IS IN		1988	
BAIN, SCOTT	AN A-MAZING GAME FOR YOUR FUN			7
BARDEN, WILLIAM	AN A'MAZE'ING ADVENTURE		1988	171
BARDEN, WILLIAM	FOOD FOR WORMS		1989	144
BARDEN, WILLIAM	THE MEANING OF LIFE		1986	196
BARDEN, WILLIAM	THE PUZZLING PENTOMINO		1988	
BAUMGARDT, KENT	EXPLOSIVE WORD FUN		1987	
BAXTER, BRIAN; ETA	OODLES OF GAMES FOR 4K		1985	
BECKER, ROB	KEEPING SCORE WITH COCO THE VOTE IS IN AN A-MAZING GAME FOR YOUR FUN AN A'MAZE'ING ADVENTURE FOOD FOR WORMS THE MEANING OF LIFE THE PUZZLING PENTOMINO EXPLOSIVE WORD FUN OODLES OF GAMES FOR 4K A CLUE GAME SIMULATION FIRST SATURDAY IN MAY ALIEN RAIDERS BLITZ IT'S A TOUCHDOWN DOIN THE HI-RES SHUFFLE COCO CONCENTRATION BINGO, THE COCO WAY CORRECTION HINT THE COCO ZONE		1990	
BECKER, ROB	FIRST SATURDAY IN MAY		1983	
BEHRMANN, DARREL	ALIEN RAIDERS BLITZ	NOV	1986	52
BEHRMANN, DARREL	IT'S A TOUCHDOWN	OCT	1987	83
BEISTEL, PHILLIP	DOIN THE HI-RES SHUFFLE	JUL	1983	196
BELANGER, ALLAN	COCO CONCENTRATION	AUG	1987	20
BELL, BRUCE	BINGO, THE COCO WAY		1988	
BELL, BRUCE	CORRECTION	FEB	1989	76
BELL, BRUCE	HINT	JUN	1987	81
BELL, BRUCE BELL, BRUCE	THE COCO ZONE	APR	1986	26
BELL, BRUCE		JAN	1987	52
BELL, BRUCE	TO OVERTHROW THE CONTROLLERS		1988	42
BENNETT-LAIDLAW	PARACHUTE OR FREE FALL?	DEC	1982	76
BERNICO, BILL	CHILD'S PLAY	AUG	1988	44
BERNICO, BILL	DOUBLE WHAMMY	OCT	1986	101
BERNICO, BILL	LAYING DOWN THE CHIPS	AUG	1986	80
BERNICO-AFTAMONOW	BEAT THE DEALER	AUG	1987	84
BILLEN, DAVID	ZONX	OCT	1985	65
BLECKLEY, LOGAN	WORDMAKE	JUN	1989	91
BLOEDOW, GRANT	STEVEDORES GAME	NOV	1990	10
BLOUND, ANDY	MASONRY MADNESS	AUG	1986	83
BLY, MERWYN	ONE LINER CONTEST WINNER	AUG	1988	89
BODIROGA, GEORGE		APR	1984	82
BOURGEOIS, JACQUES		AUG	1984	90
BOURGEOIS, JACQUES	CORRECTION	OCT	1984	237
BOURGEOIS, JACQUES	CORRECTION	JAN	1985	232
BRADBURY, NICK		SEP	1985	106
BRADBURY, NICK	CORRECTION	SEP	1985	129

BRADBURY, NICK		APR	1986	103
	ICARUS IN SEARCH OF WINGS		1990	
	ONE TILE AT A TIME		1990	
BRANIGAN, ARRON		AUG		
	FORTUNE WHEEL MODIFICATION		1987	
	FORTUNE WHEEL MODIFICATION	DEC		
BRIMNER, ROBERT			1987	
BRIMNER, ROBERT	CORRECTION		1987	
BRITTON, STEVE BRITTON, STEVE	OPERATION FREEDOM	AUG		
BRITTON, STEVE BRITTON, STEVE	CORRECTION	OCT		_
			1990	
BROCKSCHMIDT, KRAI			1985	
BRUNOTTE, BENJAMIN			1985	
BUSH, JAMES	THIS ONE'S A PUZZLER		1987 1991	
	SIMILAR TO RUBIK'S CUBE	MAR		
		SEP		
CAMIRAND, RENE	SAVE THE ASTRONAUTS!	NOV		
CADITA KENNETH	THE CHECKERS CHAMP	OCT		
CARLIN, RENNEIN	TAKING ON THE ONE-ARMED BANDIT INVASION OF FLYING SAUCER PEOPLE	MAR		
CARROLL, JAMES R.			1991	
CARTER, GARY		FEB		
CHAPEL LEE	FOR THE LOVE OF GOLD	DEC		
CHAPEL, LEE		APR		
	AMAZING ADVENTURES OF KARRAK	FEB		
	SIR RANDOLF OF THE MOORS	JAN		
	TWENTY ODD-BALL SCREEN ROUTINES			
CLERC, DONALD		JUL		
CLIFT, SIMON	WHAT IS YOUR COMPATIBILITY RATING?			
COLLINS, DALE	WHAT IS YOUR COMPATIBILITY RATING? SIMILAR TO TV'S JEOPARDY	MAR	1987	58
COLLINS, DALE	CORRECTION	MAY	1987	128
COMPTON, DAVID	ADVENTURE GAME FOR YOUNG CHILD	MAR	1986	18
COMPTON, DAVID	UNDERCOVER COCO	APR	1988	73
COOK, BILL	THE ADVENTURE PROCESSOR	AUG	1986	26
COOK, BILL	CORRECTION	NOV	1986	78
COONEY, MIKE	HOME COURT ADVANTAGE	SEP	1987	42
COOPER, RICK	TEST YOUR CHESS IQ	OCT	1990	92
COTY, CURT	LET THE LASER BATTLE BEGIN	JAN		
COTY, CURT	CORRECTION	MAY	1987	128
COTY, CURT	SHOPPING SPREE	JUL	1989	34
CRAIG, JEFF	THE CROWN OF MERRO TANGLED TILES	FEB	1984	27
CRAWFORD, GAY	TANGLED TILES	FEB	1989	28
CUADRA, HECTOR	WHAT GOES UP	JAN	1990	112
	ATTACK OF THE KEY BOMBERS	AUG		
	A CHALLENGING WORD GAME	JUN		
	THE EVIL TYRANT STAR LORD	AUG		
DATER, ANDREW		AUG		
=	SIR EGGBERT TO THE RESCUE	AUG		
DELBOURGO, BOB		JAN		
	CHALLENGE FOR PSYCHICS AND SLEUTHS			
	CONSEQUENCES FROM DOWNUNDER	MAR		
•	COCO CALIBER	APR		
	PICKING UP THE PIECES	JUN		
	WHICH NYM IS WITCH? CORRECTION	AUG OCT		
DICK, BRIEN	ADVENTURE GAME MAPPING TECHNIQUES			
	TELL YOUR FORTUNE WITH TAROT	AUG OCT		
DIMITRI, AMIR DINGLE, BRENT		JAN		
<del>-</del>	BATTLE BACK WITH MUNCHKIN BLASTER			
DONZE, JEFF		MAY		
	A VISIT TO THE PAST	JAN		
DRENNAN, ALLEN		OCT		
	· · · · · · · · · · ·	001		

DROUILLARD, DAN		APR	1984	67
	GOBLINS'LL GETCHA IF YOU DON'T WATCH OUT	OCT	1986	
DUGGINS, LARRY		MAR		
	IT'S A TOAD'S LIFE	FEB	1989	
EBBERT, JIM	PROTECT STARBASE ALPHA	NOV		
ELMS, STEPHEN	IT'S A BUG-EAT-BUG LIFE	FEB		
ENGLISH, WILLIAM		AUG		
	MISSION: HOLD THE BRIDGE	DEC		
	EVERY CHARACTER CAN DO SOME THINGS WELL			
FIREDRAKE-ALBRECHT		JUL		_
	IMAGINATION AND CREATIVITY IN ROLE PLAYIN			
FIREDRAKE-ALBRECHT	ISSUING ORDERS FOR FANTASY ADVENTURERS	APR		
	LAST GAMEMASTER'S APPRENTICE COLUMN	AUG		
	ROLE PLAYING GAMES: EFFECTIVE LEARNING			
		APR	1983	
		JAN	1985	128
FIREDRAKE-CANFIL	PLAYING THE GAME OF HEROIC FANTASY	NOV	1984	120
FIREDRAKE-CANFIL	ROLE PLAYING NOT COMPUTER GAMES	SEP	1984	20
FIREDRAKE-CANFIL		AUG	1984	
	THEATER MANAGEMENT	AUG	1987	88
FORSHA, JERRY	WE WANT OUR Q-NERD	MAY	1984	175
FRANKLIN, SHANE	THE ROAD RACE	NOV	1984	36
FRANKLIN, WILLIAM	SOPWITH WITH COCO	AUG	1984	74
FRANKLIN, WILLIAM	CORRECTION	NOV	1984	244
FRANKS, BILL	A QUANDARY OF PUZZLES	JAN	1986	25
FRANKS, BILL	THE CAVERNS OF DEATH	JUL	1984	132
FRANSEN, AARON	QUEST FOR THE FALCON'S LAIR"	AUG	1985	26
FRAYSSE, JOHN	HOMING IN ON A GUIDED MISSILE SYSTEM	MAR	1983	154
	LET'S GO SAILING	OCT	1982	76
FRAYSSE, JOHN	MARATHON MADNESS	OCT	1983	18
FRAYSSE, JOHN	RAINBOW ROACH	JUN	1983	38
FRENCH, PAUL	USETOWN ANNEX	JAN	1988	58
	THE COMMANDOS WANT YOU!	FEB	1986	180
	ACEY DEUCEY DEALER	JAN	1984	26
	THE HOME SLOT MACHINE	APR		
GAGE, LARRY		SEP		
	PARAMISSION: FAST AND DANGEROUS	MAY		
GEORGE, THOMAS	THE THOLEAN WEB	JUL		
	UP ON THE ROOFTOP		1986	
GLEASON, CHRIS		JAN		
GOLDBERG, MORTON		FEB	1983	
	PERPLEXING PICTURE PUZZLES	SEP		
GOODSON TOEY	MANEUVERING WITH JETPACK CHALLENGE	JUL		
	COMPUTER CUPID	FEB	1985	
GREEN, ROBERT		MAY		
GRIFFIN, JIM		OCT		
	BINGO! INSTANT FUN	APR		
	MAY THE FORCE BE WITH YOU?	JUL		
HALFMAN, SCOTT		JUN		
HAIT KENNETH	DI.ACE VOID RETI	APR		
HALL, KENNETH HALL, MIKE	PLACE YOUR BET! RACING THE CLOCK WITH TRAILIN TRAIL	AUG		
HALLEN, TONY	IT'S A MYSTERY	SEP		
HAMELUCK, JEFF	CEN WAD	AUG		
HAMILTON, DANIEL		FEB		
HARRIS, DALE		SEP		
	PLAY KING FOR A DAY	MAY		
HASENSTAUB, THEO		AUG		
	HELP FOR ADVENTURERS	AUG		
		DEC		
	SCRABBLE PLAY-ALIKE	DEC		
	A MAZING ADVENTURE RACE THE TRACK	SEP		
HOGGINS, JAY		JUL		
TOGGTHD JUNI	TICLOUD VIC	001	1900	, =

	MONEY STRATEGY GAME		1991	
HOLSTEN, PHIL			1988	
	HERE COME THE VIPERS	DEC		
	INTERNATIONAL PING-PONG	SEP		
HUANG, DAVID		AUG		
	QUEST OF THE DRAGON'S GOLD	AUG		
HUSAK, CHARLES		NOV		
HUSAK, CHARLES			1984	
HUTCHINSON, DAVID		FEB		
JAMES, JOHN	FIVE IN A ROW		1988	
	DUNGEON MASTER'S CHARACTER SHEET		1984	
JENSEN, PAUL			1986	
JOHNSON, CLYDE		AUG		
	SCRAMBLED SCREEN OF LETTERS	AUG		
	START YOUR ENGINES	AUG		
JONES, TIM	BASKETBALL GAME CALLED HORSE	NOV		
JONES, TIM	CORRECTION	JAN	1986	
JONES, TIM	THE EYE OF THE TIGER	AUG		
JONES, TIMMY	10 METER PLATFORM DIVING	SEP		
JONES, TUDOR	SOLITAIRE UPGRADE-AUTOMATIC FINISH	JAN		
JONES, TUDOR	CORRECTION THE EYE OF THE TIGER 10 METER PLATFORM DIVING SOLITAIRE UPGRADE-AUTOMATIC FINISH CORRECTION THE SOLITRY ENDEAVOR	MAY		
JONES, TUDOR	CORRECTION	DEC		
JUNES, TUDOR	GRANNY'S PEG GAME CHALLENGE	MAR		
	OUT TWENTY CARAT GOLD WINNERS	JUN		
		APR		
	HI-RES LOWERCASE PUNCTUATION	JAN NOV		
KELLEY, ROBERT		NOV		
KENNY, KEIRAN		JUL		_
KENNY, KEIRAN KENNY, KEIRAN			1989	
	LEFT BEATS RIGHT MASTERING THE GATES	AUG		
KENNY, KEIRAN	WUATIC MICCING	AUG		_
KERCKHOFF, PETER		AUG		_
KEYES, CHRIS			1987	
	CHEAT AT ADVENTURE	FEB		
KILBY, MIKE			1986	
	TRY YOUR HAND AT BLACKJACK		1984	
KLEIN, JOEL		AUG		
KNOLHOFF, MIKE		OCT		
KNOLHOFF, MIKE		FEB		
KOCH, DAREN	BEE ZAPPER	SEP		
KOHN, JOSEPH	COLOR BLACKJACK	OCT		
KOHN, JOSEPH	COLOR POKER	APR		
KOLAR, JOSEPH	'WHAT HAPPENS IF'	JUN		
KOLAR, JOSEPH	GOOLIAN OLYMPICS OF TRIG FUNCTIONS			
	VISIONS OF PRO-AM: GOLF GAME	MAY	1986	50
KROMEKE, MICHAEL	A MODEL OF A CAR ENGINE	SEP	1986	49
KROMEKE, MICHAEL	TRICKS OF THE TRADE	MAR	1987	76
L'HOMMEDIEU, DOUGL	HANG 'EM UP	FEB	1983	40
LAAKE, JOSEF	THE LASERWORM AND THE FIREFLY	NOV	1983	220
LAI, STEPHEN	BOGGLE CLONE DEMANDS CONCENTRATION	SEP	1983	60
	PUZZLE STICKS AND PICTURE MAKER	JAN	1984	184
LAMONICA, J. & M.	CLUE ME IN	SEP	1988	65
LAMONICA, M. & J.	DOING THE TRIVIA RAG	SEP	1987	152
	HOTEL COCO	FEB	1987	27
	ADVENTURING WITH STYLE	FEB	1984	205
	FOUR BOOKS FROM DRAGONLAND	MAR	1984	143
LIDDIL, BOB	KEYS TO CREATING WINNING ADVENTURES	FEB	1984	52
LOWRY, JAMES	MINDING YOUR X'S AND Y'S	AUG	1988	77
	ROOTIN' TOOTIN' SHARPSHOOTIN' COCO	AUG	1987	105
MARTINEZ, LOUIS	BACK TO SQUARE ONE	JAN	1988	74
MASSIE, WARREN	COCO SAYS	FEB	1989	89

MATICE, NORMAN			1984	158
	ESCAPE FROM TUT'S TOMB	JUL		
	ESCAPE FROM TUT'S TOMB 2 & 3	AUG		
MCKERNAN, CHRIS		OCT		
MEADOR, GENE MEADOR, GENE	YOU GOTTA PAY THE RENT! CORRECTION	JUL OCT		
MESSER, SHANE	COCO JUMBLE	JUN		
MEYERS. PETER	MENACE OF THE SANDWORM	AUG		
	GUILD OF THE KINGMAKER		1988	
	A SIMPLE RAINBOW ADVENTURE	JUL		
	ADVMAKER MAKES ADVENTURES	AUG		
	RESCURE ON ALPHA II	DEC		
MITCHELL, STEVEN		APR	1985	226
MONTES, MARTIN	'PAC-ED' GAME	JAN	1984	70
MONTES, MARTIN	SUPPLY WATER TO THIRSTY URBANITES THE BLUE BLOCK BLUES ASTEROID DODGE THE CHRISTMAS TREE PUZZLE MAKING MAGIC	JUN	1983	258
MOON, J.4.	THE BLUE BLOCK BLUES	NOV	1987	97
MOORE, CLAYTON	ASTEROID DODGE	JUN	1989	90
MOORE, MIKE	THE CHRISTMAS TREE PUZZLE	DEC	1988	
MORRISON, JOHN	MAKING MAGIC	AUG		
MOSLEY, JOHN	VEGAS AT YOUR FINGERTIPS	JUN		
NALOS, PAUL		JUN		
	A MOST DANGEROUS MISSION	FEB		
	WHICH WAY DID THAT MANGY MONGREL GO?	AUG		
NELSON, MARK		MAY		
	THE HEAD OF THE BEAST	DEC		
NEVIN, BOB	LOTSA LUCK!	JUN		
NICKOLS, KEVIN	THE VOTE IS IN	DEC		
NOBLE, JAMS	THE VOTE IS IN BATTLIN BLUE BERT A COMPLETE CHARACTER GENERATOR AND NOW, IGOR, THE ENVELOPE, PLEASE BENEFITS OF ROLE PLAYING ARE NO FANTASY	APR		
NOLAN, BILL	A COMPLETE CHARACTER GENERATOR	FEB		
NOLAN, BILL	AND NOW, IGOR, THE ENVELOPE, PLEASE	MAR		
NOLAN, BILL	BENEFITS OF ROLE PLAYING ARE NO FANTASY	JAN		
	BETTER MONSTER MANAGEMENT	APR		
	COMPUTER SUPPORTED COMBAT	NOV		
	CONTINUING YOUR CHARACTER RECORD FILE	FEB		
	CREATE CHARACTER FILE PROGRAM	JAN		
NOLAN, BILL	CREATE CHARACTER FILES DATA BASE MANAGER FOR DRAGONS DEMONS IN THE DUNGEON?	MAR MAY		
NOTAN BILL	DEMONG IN THE DINGEOUS	SEP		
	DETAILS OF A MAGIC SYSTEM		1983	
	DEVELOPMENT OF A NEW FANTASY GAME	OCT		
NOTAN BILL	DRAGONS ARE NICE FOLKS TOO	AUG		
NOTAN BILL	EMERGING COMBAT SYSTEM	SEP		
NOLAN, BILL		JUL		
	MAKE MONSTERS FROM SILICON	OCT		
	NOW A WHOLE BAG OF DICE	JUN		
NOLAN, BILL		DEC		
	PROGRAMMING THE COMBAT SYSTEM	AUG		
NOLAN, BILL		JUL		
NOLAN, BILL	SLAY YOUR TURKEY	NOV	1982	
NOLAN, BILL	SLAY YOUR TURKEY SOME NEW FRP ROUTINES USING DATA LINES TO CACHE YOUR CREATURES	MAY	1982	23
NOLAN, BILL	USING DATA LINES TO CACHE YOUR CREATURES	JUN	1983	124
O'BRIEN, DAN	TOWERS OF HANOI	FEB		90
O'DONNELL, TIMOTHY	SEARCH FOR WORDS	DEC	1982	130
OSBORNE, GARY		JAN	1989	63
	TREASURES OF THE ENRAKIAN EMPIRE	AUG	1983	122
OSTROM, STEVE		FEB		50
OWENS, TONY		MAY		
PARAVATI, JOSEPH		SEP		
	THE KINGDOM OF LE LUTIN	JUL		
PARSON, LOUIS	CORRECTION	OCT		
PETERSEN, JENS	CHOPPER ASSAULT	JUN		
PETIT, L. & C.	PATTERN DISCRIMINATION GAME	APR	1987	99

PFEIFER, CHRIS	SURFACE	APR	1985	42
PHILLIPS, DANIEL	DOTS: CHANGE OF PACE FROM OUTER SPACE	JUL		
PHILLIPS, GEORGE		JUN		
	TRIVIA TIC-TAC-TOE	DEC		
	HIGH ADVENTURE OF PARA-JUMPER	DEC		
	THE FUN CONNECTION	JUN		
POPOVICH, MICHAEL		JAN		
	STUNT PILOT	MAR		
PORTELA, HENRY	HOW IS HOW INSTANT GRAPHICS AND HOGS IN SPACE	NOV		
POWERS, COURTNEY POWERS, COURTNEY	INSTANT GRAPHICS AND HOGS IN SPACE	FEB		
	STAY ALIVE AT OUTPOST FIVE		1987	
PRESLEY, CHAD		FEB		_
	ACROSTICS GO HIGH TECH WITH WORD+	AUG MAY		
PUCELLA, RIC		MAY		
QUELLHORST, GEORGE		DEC		
	SOLITAIRE, THE NEXT GENERATION	DEC		
RAINBOW	ADVENTURE REPORT"	DEC		
RAINBOW	ARE YOU PSYCHOTICPSYCHIC	SEP		
	AYE, AYE, AYE MY SKY EYE	MAR		
	BATTLE THE ALPINE ALIENS	AUG		_
	DO BATTLE NEAR LASER STAR	SEP		_
RAINBOW	FOR ITS - GIN, GIN, GIN	OCT		
	GET THAT GOBBLER	JAN		_
	HELICOPTER BATTLEGROUND FOR YOU			
	JULIE'S SONG	APR		_
	MAKE YOUR KIDS LIKE THE QUIZ KIDS			
	NO ESCAPE FROM THIS SPACE DEBRIS	JUL		
RAINBOW	WATCH OUT FOR THE WILD, WILD WEB	APR	1982	37
RAINBOW	ZELDA AND HER DAYS	DEC	1981	2
RAMELLA, RICHARD	BUBBLE WARS	FEB	1986	58
RAMELLA, RICHARD	NIGHT OF HORRORS IN LURKLEY MANOR	MAR	1985	42
RAMELLA, RICHARD	NO NINES ALLOWED	OCT	1985	36
RAMELLA, RICHARD	NUMBER BUMPER	OCT	1985	180
RAMELLA, RICHARD	NUMBER JACKS	MAY	1985	25
RAMELLA, RICHARD	THE \$100 CHALLENGE	JUL	1985	180
	HAVING AN ADVENTURE WITH ADVENTURE	JAN	1983	20
REED, JIM	ONCE AGAIN WITH ADVENTURE	FEB		
REID, CHRIS	COCO CRYPTO-A THREE STAR PUZZLER	JUN		
=	MISSILE BARRAGE	AUG	1983	218
REPASY, MICHAEL	RUN FOR YOUR LIFE	APR		18
=	SKIRMISHES WITH VIDEO VIPERS	JAN		
•	NAME THAT SONG	JUN		
RICKETTS, GREGORY		JAN		
RIDINGS, DAVID		APR		
	BOGGLING YOUR MIND	FEB	1989	
RILEY, THOMAS		APR		
=	NO TREADS ON ME, PLEASE!	JAN		
RITTENHOUSE, JAMES		JAN		
	TALK ABOUT YOUR CHOPPED DOWN FORD	AUG		
ROGERS, ROBERT	JOURNEY THROUGH THE JUNGLE ONE OF OUR POOL BALLS MUST BE CRAZY!	AUG		
RONALD, BRUCE RONALD, BRUCE	THE CRAZY POOL BALL EXPLAINED	JUL AUG		
RUANGCHOTVIT, C.		FEB	1988	
RUBY, PAUL	AND FOR MY NEXT TRICK	DEC		
RUBY, PAUL	SUCCESS MANSION	JAN		
RUBY, PAUL		APR		
	COMPUTER TRAPSHOOTING	NOV		
SABBATINI, MARK		DEC		
SAPORTA, ALAN		AUG		
SAPORTA, ALAN		OCT		
SCERBO, ETAL		JUN		
-		,	•	-

	A 3-D TYPE GAME TO TRY		1982	
=	ADVANCED STAR-TRENCH WARFARE	JUL		
	ADVANCED STAR-TRENCH WARFARE	NOV		
SCERBO, FRED		AUG		
SCERBO, FRED	CORRECTION	OCT		
SCERBO, FRED	CHALLENGE OF THE DEMON'S DEFIANCE CREATING DESIGNER ARCADE GAMES GALLOPING GAMBLERS METEOR STORM 3 ML TRICKS FROM A BASIC GAME RETURN OF THE HANGMENOIDS	MAR		
SCERBO, FRED	CREATING DESIGNER ARCADE GAMES	DEC		
SCERBO, FRED	GALLOPING GAMBLERS	DEC		
SCERBO, FRED	METEOR STORM 3	OCT		
SCERBO, FRED	ML TRICKS FROM A BASIC GAME	NOV		
SCERBO, FRED	RETURN OF THE HANGMENOIDS	MAY		
SCERBO, FRED	ROBOFLIP: ANATOMY OF A GAME		1987	
SCERBO, FRED		FEB		
SCERBO, FRED		JUL		
	TWO FOR THE PRICE OF ONE	OCT		
SCHECHTER, GERRY		APR		
	MEMORY: BRAIN STAIN WITH SCHMALTZ	JUL		
	SPINNING FORTUNE'S WHEEL	APR		
SCHULER, KEITH	CASTLE ZHAGWHAR SUB AT 30 FATHOMS ICE LANDER CAN BE A SLICK RUN	JUN		
SHELF, CARL	SUB AT 30 FATHOMS	MAR		
SHORTER, TED	ICE LANDER CAN BE A SLICK RUN	JUN		
SIROLLY, MICHAEL		MAY		
	WHATZIT? ITS A SCRAMBLED WORD GAME	JUL		
	A HANUKKAH GIFT FOR YOU	DEC		
SPRINGER, CHARLES				
SPRINGER, CHARLES	THE DECISION HAS BEEN MADE	APR		
SPRINGER, CHARLES	THIRD ADVENTURE CONTEST	MAR		
ST. JACQUES, RENE	CARDIO	APR		
STAKELIN, JAMES		JUL		
STEIDL, JEFF	ACTION-STRATEGY GAME	JUL		
STEWART, DAVID	CAN YOU DEACTIVATE THE BOMB?		1983	
STEWART, SHAWN	HAVE A HAND AT HANGMAN	AUG		
	A FRIGHTFULLY GOOD TIME!	OCT		
SWARD, STEVE		JAN		
SWARD, STEVEN		MAR		
	GET INTO THE HOBBIT OF PLAYING	JAN		
	WHO WAS COLONEL POTTER'S HORSE?	AUG		
	LET'S GET TRIVIAL	DEC		
TAULLI, T.C.	BATTER UP	JUL		
TAYLOR, D.	JUNK FOOD	NOV		
TEAGUE, DENNIS	WORD-HUNT CROSSWORD PUZZLE	DEC		
THORSVIK, DOUG	CASE OF THE OVERBLOWN HEIST	MAY		
TILENIUS, ERIC	ADVENTURE WRITER'S TOOLKIT	APR		
TILENIUS, ERIC TILENIUS, ERIC	CREATING THE WELL-BLENDED ADVENTURE	MAR		
TILENIUS, ERIC	CREATING THE WELL-BLENDED ADVENTURE	FEB		
TILENIUS, ERIC	THE ARCONIAX ASSIGNMENT CORRECTION	JUL SEP		
TILENIUS, ERIC	THE ICING ON THE CAKE	APR		
TILENIUS, ERIC	URCHINS FROM THE BLACK LAGOON	JAN		
TUCKER, ERIC	ONE GOOD TURN DESERVES ANOTHER	MAY		
TUCKER, ERIC	TREASURE QUEST: THE GOLDEN ADVENTURE	NOV		
TYSON, BOB	RAINBOW SIMULATION PACKAGE	JUL		
TYSON, BOB	CORRECTION	NOV		
TYSON, ROBERT	COMPUTER SIMULATION FOR FUN AND PROFIT	JUL		
TYSON, ROBERT	COMPUTER SIMULATION FOR FUN AND PROFIT	AUG		
TYSON, ROBERT	STRATEGY FOOTBALL	AUG		
URBAN, JOHN	COCO HELP AS AN FRP REFEREE	MAR		
URBAN, JOHN	CREATING FANTASY GAME CHARACTERS	JAN		
URBAN, JOHN	GENERATING A FRP CHARACTER	FEB	1982	
<del>-</del>	RANDOM DICE METHODS COMPARED	MAY		
	RANDOM NUMBERS MAKE EASY FUN	DEC		
VEAL, EVAN		AUG		
		-100		20

WAGORN, PAUL			1985	33
WALRATH, DEL	HOW TO DO NUMBER PICKING GAME	SEP	1982	15
WARD, LOGAN	COCO HAS ALL THE ANSWERS	NOV	1987	52
WEBB, MARK	DARTS	FEB	1991	83
WEBB, MARK	PLAYING THE STOCK MARKET	NOV	1988	45
WEBB, MARK	THE GUESSING GAME	MAY	1990	50
WEBER, THOMAS	WARGAME	NOV	1983	90
WELLS, GEOFF	GO ADVENTURING WITH GAPAD	JAN	1983	18
WELLS, GEOFF	GO ADVENTURING WITH GAPAD	DEC	1982	98
WELLS, GEOFF	HANDY MATH DRILL	SEP	1982	82
WELLS, GEOFF	HAUNTED HOUSE ADVENTURE	FEB	1983	64
WELLS, GEOFF	ONCE MORE WE'LL GO ROWING	NOV	1982	33
WELLS, JOHN	SAUCER, SAUCER, IN THE SKY	APR	1987	116
WELLS, JOHN	SPACE ATTACK	AUG	1988	78
WHITE, ERIC	COCO-NECT-A-DOT	JAN	1987	60
WHITE, RICHARD	GIVE US MORE VIPERS!	FEB	1982	26
WICK, GARY	WHO WROTE RAINBOW'S FIRST TRIVIA GAME?	JUN	1983	16
WILENSKY, JOE	COCO DERBY	MAY	1989	42
WILSON, LONNI	A CHRISTMAS DREAM	DEC	1987	20
WOLCOTT, LARRY	KUNG FU FIGHTING	MAR	1986	66
WOLF, ERIC	INTO THE DANGER ZONE	AUG	1987	58
WOLF, ERIC	WHERE'S THE MATCHING BOX?	FEB	1990	88
WOLF, ERIC	WORM INVADERS FROM SPACE	MAR	1990	18
WOOD, JAMES	HI-RES RACER	MAR	1985	124
WOOD, JAMES	RID THE SCREEN OF THE MENACE	SEP	1985	167
WOOD, JAMES	TIC-TAC-COCO	AUG	1986	36
WRIGHT, ARCHOR	FLY OFF THE HANDLE	AUG	1986	81

### GENERAL

AUTHOR	ARTICLE	MTH	YR	PAGE
ABELL, JAMES	DOES ARCHIMEDE'S DISCOVERY HOLD WATER?	MAR	1989	82
ADAMS-LEAR	COLOR CHART FOR THE COCO 3	JAN		
ALBRECHT, BOB	A BEGINNER'S GUIDE TO CASSETTE FILES		1984	
AUGSBURG, CRAY	RAINBOWFEST REPORTER	SEP		
AUGSBURG, CRAY	THE RAINBOWFEST REPORTER	FEB		
BAKER, DELBERT	FUNSTATS		1989	
BARDEN, WILLIAM JR			1990	
	PERPLEXING PUZZLES		1990	
	APRIL FOOLISHNESS AND PENTOMINO WINNERS		1989	
	CAN THE COCO LEARN?		1988	
BARDEN, WILLIAM	HAMMING IT UP		1989	
BARDEN, WILLIAM	HOW DOES THE COCO STACK UP? MYSTERY OF THE TANDY ANAGRAM		1986	
BARDEN, WILLIAM	MYSTERY OF THE TANDY ANAGRAM		1988	
BARDEN, WILLIAM	PERPLEXING PUZZLES		1989	
BARDEN, WILLIAM	PI TO 10,000 DIGITS		1986	
BAUTER, CURTIS			1983	
	END THOSE STICKY RELAY BLUES		1983	
BEDARD, CLEM			1989	-
	BUILD A DESK FOR YOUR COCO		1982	
BENNETT, JOSEPH			1982	
	CHART SMART WITH MILEAGE MAPPER		1987	
BERNICO, BILL		AUG		
BERNICO, BILL	IMPORTANT MESSAGE		1985	
BERNICO, BILL	RESULTS FROM JULY'S PROGRAMMING CONTEST		1989	
BERNICO, BILL	IMPORTANT MESSAGE RESULTS FROM JULY'S PROGRAMMING CONTEST SET YOUR WHEELS TO SPINNING	JUL		
BERNICO, BILL	SONGWRITER'S WORD RHYMER	JAN		
	BIT BANGING WITH BOOLE	SEP		
BIGGS, BRIAN		DEC	1986	
BJORK, STEVE	COCO 3: A PROGRAMMER'S DREAM	SEP	1986	26
	DATE TRACKING THROUGH THE AGES	JAN	1987	46
BOUCHARD, ROGER			1987	128
	THE COCO CRYSTAL BALL	JUN	1989	28
CARROCK, SOLLA			1991	
CURTIS, H. ALLEN			1984	
CURTIS, H. ALLEN	PROSPECTING THE MC-10	FEB	1984	314
CURTIS, H. ALLEN	THE DESKTOP PUBLISHER: A REPRISE	SEP	1988	102
	HELPFUL NUMBER-BASE CONVERSION QUIZ			140
	COCO WIDOWS	MAY		
	THE COMPUTING FEMALE	JUN	1984	174
DAVIS, SUSAN	WOMEN AND THE COLOR COMPUTER	APR	1984	215
	WHO GOES ON RANDOM WALKS	JAN	1983	130
	HARDWARE HACKER CLEANS HOUSE	OCT	1983	130
DISTEFANO, TONY	MEMORIES OF THE PROM	JUN	1983	72
DISTEFANO, TONY	PROGRAM PAK CONNECTION	FEB	1984	330
DISTEFANO, TONY	REDUCE THAT RFI ON YOUR MONITOR	APR	1983	146
DOLLBERG, DONALD	WHAT ARE THOSE DEVICE NUMBERS FOR?	JAN	1984	163
DOWNARD, DAN	KID COCO IS NO LIGHTWEIGHT	AUG	1983	174
DOWNARD, DAN	OPENING COCO'S LIBRARY TO THE MC-10	OCT		196
DOWNARD, DAN	THE NEW 64K COCO	SEP	1983	236
FALK, LAWRENCE	COCO BETTER AGAIN?	SEP		18
FERNOLD, JOHN	HOW HEALTHY ARE YOU?	NOV		124
<del>-</del>	THE EIGHTH YEAR OF RAINBOW	JUL		147
=	THE FIFTH YEAR OF RAINBOW	JUL		193
FOSTER, LESLIE	THE FOURTH YEAR OF RAINBOW	JUL	1985	229

	THE SEVENTH YEAR OF RAINBOW	JUL	1988	133
	THE SIXTH YEAR OF RAINBOW	JUL	1987	145
	THREE YEARS OF RAINBOW	JUL	1984	259
FOSTER, LESLIE	TWO YEARS OF RAINBOW		1983	
	FLYING THE SOPWITH WITH COCO			
GOFF, KELLY		JUL		
GOODELL, KIRK	PATCHWORK ON THE COCO 3	NOV		
GOODMAN, MARTY		AUG		
GOODMAN, MARTY	DETERMINE EPROM ERASURE TIMES	JUN		
GOODMAN, MARTY		NOV		
GOODMAN-HUTCHISON		NOV		
		AUG		
HASENSTAUB, THEO		APR		
		FEB		
HOGG FRANK	HOW PRETTY IT IS TO PRINT PRETTY	FED	1985	
HOGG, FRANK	YET ANOTHER COCO2? ABSTRACT MATH FORMULAS MADE CONCRETE	CED	1990	
HVDF LEONADD	CONVENTION	JUL	1988	
HYDE LEONARD	CONVENTION ELECTION '88 TIGHTEN UP THAT TYPING TYPING TUTOR CORRECTION	NOV		_
HYRE, LEONARD	TIGHTEN UP THAT TYPING	JAN		
HYRE, LEONARD	TYPING TUTOR	MAR		
HYRE, LEONARD	CORRECTION	MAY		
JAMES, BRIAN	80C REPORT FROM WEST COAST COMPUTER FAIRE			20
	A TEST FOR THE COMPUTER WIDOW	JUN		
	CORRESPONDING WITH 'TALKING' COMPUTER TAP			
	CREATE A TAPE REGISTER	MAR	1983	
	CREATE YOUR OWN TUTORIAL	OCT		_
KOLAR, JOSEPH	DEBUGGING CAN BE FUN	DEC	1983	
KOLAR, JOSEPH	HOME GROWN HINTS AND EVIL EYE	NOV	1983	306
KOLAR, JOSEPH	LEARNING THROUGH PROGRAM DISSECTION	JUL	1983	148
KOLAR, JOSEPH	HOME GROWN HINTS AND EVIL EYE LEARNING THROUGH PROGRAM DISSECTION LET'S CLEARN UP THAT TEXT SCREEN LETS TAKE 'BASIC' TRAINING PROGRAM APPENDING FOR FUN AND PROFIT	SEP	1983	278
KOLAR, JOSEPH	LETS TAKE 'BASIC' TRAINING	DEC	1982	37
KOLAR, JOSEPH	PROGRAM APPENDING FOR FUN AND PROFIT	APR	1984	182
KOLAR, JOSEPH	SHARE SOME OF YOUR USEFUL HINTS	APR	1983	200
KOLAR, JOSEPH	TAKING BASIC TRAINING	JAN	1983	10
	THE ENCYCLOPEDIA COCOLORIA	AUG	1988	82
		MAY	1984	116
KOLAR, JOSEPH	TIDYING UP YOUR TEXT	AUG		
KOLAR, JOSEPH	WHAT A DIFFERENCE SOME A'S MAKE	MAR	1984	149
=	DE-MYSTIFYING THE PCLEAR0	SEP	1983	112
KUROWSKY, SUZANNE		AUG	1983	302
KYLLO, DONALD	CRYPTOLOGIST'S SIDEKICK	JUL		80
LAUN, ROBERT	ENTER THE FIFTH DIMENSION	APR		
	HALF LIFE OF NUCLEAR DECAY	MAR		34
LIDDIL, BOB	JOE JOURNALIST INTERVIEWS A DRAGON	DEC		
	THE MAGIC SOFTWARE MACHINE	JAN		
	PERIPHERALS FOR THE COCO	JUN		
=	CROSSWORD PUZZLE CONTEST WINNER	NOV		125
	PREDICTING FALLOUT	MAR		40
	JULY FASHION FORECAST	JUL	1986	
MODGAN ALAN	ROBOCISE HOW MUCH MEMORY	FEB	1986	116
MORGAN, ALAN	TUE DRICE OF WISDOM	JAN FEB	1982 1990	19 14
MURRAY, KEN	THE PRICE OF WISDOM A COCO CHRISTMAS	DEC	1988	95
	COMPUTER WIDOW'S TALE (POEM)	AUG		
	CONTRACT BASICS FOR THE COMPUTER USER	AUG		226
	COPYRIGHTING SOFTWARE PART 1	SEP	1983	28
	COPYRIGHTING SOFTWARE PART 2	OCT	1983	
	COPYRIGHTING SOFTWARE PART 3	NOV		212
		DEC		220
	GOT A PROGRAM? GET A MARKET!	JUN		164
	LEGAL DISCUSSION ON COCO	APR		
-				-

NELSON, TOM	RIGHT TO KNOW: IT'S AN OBLIGATION	JAN	1984	166
NELSON, TOM		JUL	1983	36
	STARTING YOUR OWN COMPUTER BUSINESS	APR	1984	156
NIELSEN, LINDA	UNDERSTANDING PROBABILITY IMPROVES ODDS	JUL	1983	226
NOLAN, BILL	IN PURSUIT OF CAPTAN 'HOOK'	MAY	1984	29
PARKER, JEFFREY	RAINBOWFEST REPORTER	MAR	1990	34
PARKER, JEFFREY	RAINBOWFEST REPORTER	SEP	1989	_
PARKER, JEFFREY	THE RAINBFEST REPORTER	OCT	1986	
PETTUS, RONALD	PLUMBING FOR YOU COCO	NOV		
PETTUS, RONALD		APR	1986	
PITTMAN, LARRY		JAN	1991	
	COMPUTERS AND OUR ENGLISH VOCABULARY	DEC	1986	
	SEXISM IN THE COMPUTER INDUSTRY	OCT	1986	
	BODY MAINTENANCE AND COMPUTING	FEB	1988	118
RAINBOW	A SPECIAL LOOK AT THE NEW POCO COCO	JUL	1983	164
RAINBOW	ABOUT THE RAINBOW SEAL	AUG	1982	33
RAINBOW	BASKETBALL STATSKEEPER	NOV		3
RAINBOW	CELEBRATING OUR 2ND 'RECORD' YEAR	JUL	1983	
RAINBOW	COCO 3 IS BORN	SEP	1986	30
RAINBOW	COCO MOBILE	JUL	1988	
RAINBOW	FACES OF FALSOFT: STAFF PICTURES	JUL	1986	_
RAINBOW	GIFT BUYER'S GUIDE	NOV		_
RAINBOW	PIPELINE (TWO NEW COCOS)	SEP	1983 1987	174 99
RAINBOW	PULL OUT CALENDAR RAINBO SEAL TO HELP CONSUMERS	JUL		28
RAINBOW	RAINBOW'S HOLIDAY SHOPPING GUIDE	JUN		41
RAINBOW RAINBOW	RAINBOW'S HOLIDAY SHOPPING GUIDE	NOV DEC	1988 1985	
RAINBOW	RAINBOWFEST REPORT	JAN	1985	18
RAINBOW	SOFTWARE THEFT	SEP	1981	
RAINBOW	THE RAINBOWFEST REPORTER	FEB	1986	
RAINBOW	THE RAINBOWFEST REPORTER	MAY		
RAINBOW	THE RAINBOWFEST REPORTER	SEP	1987	78
RAINBOW	VOLUME 1, NUMBER 1	JUL	1985	_
RAINBOW STAFF	ANNIVERSARY SPECIAL: ONE-LINER INSERT			
RAINBOW STAFF	DID YOU HEAR THE ONE ABOUT HINTS & TIPS			60
RAINBOW STAFF		DEC	1986	
	READER SURVEY	NOV		
RAINBOW STAFF	THE HEAT IS ON!	JUL	1989	26
REED, JIM	RAINBOWFEST REPORT		1984	
	RAINBOWFEST REPORT	MAY		
	RAINBOWFEST REPORT	JUN		
REED, JIM	RAINBOWFEST REPORT	JUL		
	RAINBOWFEST REPORT	SEP		
	TANDY HOME COMPUTERS TOUR	JAN	1984	22
REILLY, MIKE	IF NOT 'F' BOARD, HOW ABOUT THE 285?	JUN	1983	160
RIES, RICHARD	PRINTING THE UNPRINTABLE	DEC	1989	121
ROGERS, ROBERT	COMPU MATCH	FEB	1988	30
ROSEN, BOB		FEB	1983	154
ROSEN, BOB	MY COCO IS NOT IBM COMPATIBLE THE DRAGON IS COMING	OCT	1984	238
ROSEN, BOB	THE DRAGON IS COMING	SEP	1983	113
ROTHERMAL, BRUCE		APR	1983	88
RUSSELL, BOB		AUG	1983	254
RUSSELL, BOB	COCO MEMORY MAP	SEP	1983	273
RUSSELL, BOB	COCO MEMORY MAP	DEC	1983	322
SAMUELS, EDWARD	COMPUTER PROGRAM COPYRIGHTS	APR	1987	82
	COPYRIGHT LAW UPDATE	APR	1989	
	WHO'S GONNA KNOW?	JUL		
	COCO TRIPLE HEADER	JUN		
	COOKING WITH LIQUID MEASURE	NOV		
SCERBO, FRED B.	ENTER THE DRAGON	DEC		
SCHMIDT, JIM	EVERYTHING YOUR WANTED TO KNOW ABOUT HEX			
SCHRAG, ROGER	MACHINE LANGUAGE CASSETTE I/O	OCT	1983	84

SCHUSTER, TOBIN	THE 8088 SOUNDS OFF	MAR	1987	40
	DESIGN AND DEVELOPMENT OF APP SOFTWARE			310
SEARBY, PAUL	DESIGN AND DEVELOPMENT OF APP SOFTWARE	[I APR	1984	298
SEARBY, PAUL	DESIGN AND DEVELOPMENT OF APP SOFTWARE	II JUN	1984	282
SEARBY, SUE		NOV		
SHERIDAN, VINCENT	SOCCER INSTRUCTOR	AUG	1985	47
SIEGEL, MARK	MORE DETAILS ON COCO 3	NOV	1986	30
SMITH, FRANK	MORE DETAILS ON COCO 3 MC-10 VS COCO: A COMMAND SUMMARY A CAT'S HEARTBEAT	SEP	1983	101
SPEER, MIKE	A CAT'S HEARTBEAT	NOV	1982	32
SPRINGER, CHARLES	THE RESULTS ARE IN (CONTEST)	NOV	1983	68
STAFF	PICTURES FROM RAINBOWFEST	MAR	1991	48
STANLEY, WILLIS	DECISIONS, DECISIONS	APR	1989	118
STEINBRUECK, RICHA	DECISIONS, DECISIONS THE TOURNAMENT MASTER CORRECTION HANDICAPPERS AIDE	APR	1987	120
STEINBRUECK, RICHA	CORRECTION	JUN	1987	116
SUPPE, PASQUALE	HANDICAPPERS AIDE	MAY	1986	114
SZLUCHA, THOMAS	TWO FOR THE 10	AUG	1983	67
TENNEY, STEVE	THE RHYTHM OF LIFE	MAY	1987	20
TYSON, ROBERT	AND THE WINNER ISELECTION 84	NOV	1983	74
TYSON, ROBERT	EIGHT STEPS TO WRITING DOCUMENTATION	FEB	1984	130
WACLO, JOHN	80C PICKS THE NFL	JUN	1982	12
WACLO, JOHN	TWO FOR THE 10 THE RHYTHM OF LIFE AND THE WINNER ISELECTION 84 EIGHT STEPS TO WRITING DOCUMENTATION 80C PICKS THE NFL HOW TO PICK NFL WINNERS PICK THE WINNERS IN THE NFL	AUG	1982	54
WACLO, JOHN	PICK THE WINNERS IN THE NFL	JUL	1982	50
WHITE, RICHARD	A MIXED BAG OF BASIC	AUG	1983	30
	A SPREADSHEET WITH TEMPLATE REPETITION			
<u>=</u>	AN INTRODUCTION TO SPREADSHEETS	APR		
	BITS AND BYTES OF BASIC	JAN		
	C - LANGUAGE OF THE 80'S	NOV		
WHITE, RICHARD	CASSETTE AND DISK FILE OPERATIONS	DEC		
WHITE, RICHARD	CASSETTE AND DISK FILE OPERATIONS CONTROLLING PRINTER AND DISK DIRECT COMPARISON - USE A SPREADSHEET	JUN		
WHITE, RICHARD	DIRECT COMPARISON - USE A SPREADSHEET	JUL		
WHITE, RICHARD	EXPLANATION AND REVIEW OF SPREADSHEET	DEC		_
WHITE, RICHARD	EXPLORING THE COCO 3 COLOR SYSTEM	MAR		
	FIRST DAYS WITH COCO 3	JAN		
WHITE, RICHARD		MAY		
	IF PROGRAM CONTROL THE FINE ELSE			
	LET'S CREATE A SPREADSHEET	MAY		
	MAKING THE MOST OF COCO 3 FEATURES			
WHITE, RICHARD	MEMORY SAVING TECHNIQUES	MAR		
WHITE, RICHARD	ON USING PRINT USING		1983	
WHITE, RICHARD	SPREADSHEET AS A FILE MANAGER	OCT		
WHITE, RICHARD	SPREADSHEET DATA LOOK-UP FUNCTIONS	JAN	1986	
WHITE, RICHARD	STRING VARIABLES AND FUNCTIONS	NOV		
	WELCOME TO BASIC	JAN		
	WELL-DEFINED VARIABLES PRODUCE CLARITY		1983	
WHITE, RICHARD	WHAT'S BOTHERING YOU ABOUT BASIC?	FEB	1984	
WIENS, MICHAEL		JUN	1988	
	TRACKING THE TEMPEST	APR	1987	
WILLIAMSON, H.G.		JUN	1987	
	RAINBOWFEST REPORTER	FEB	1989	
= = = = = = = = = = = = = = = = = = =	AN INDEX TO THE RAINBOW?	JAN		
	HAM RADIO RECORD KEEPER	DEC	1985	179
-	VIEW AND PRINT TEXT FILES		1985	179 49
		MAY		
ZUMWALT, GREG	COCO 3 DOES WINDOWS AND MORE	SEP	1986	20

### **GRAPHICS**

AUTHOR	ARTICLE	мтн	YR	PAGE
ABRAHAM, ALEX	PSYCHEDELTA	JAN	1989	61
ADAMS-LEAR	THE POWER OF THE PALETTE		1986	
	RUDOLPH, THE RED NOSE RAINDEER	DEC		18
AFTAMONOW, G. & E.		MAY		
ANDERSON, LARRY		DEC		
•	LIKE PULLING TAFFY		1989	
-	120 FRAME 'GRAPHICS PAD" FOR ANIMATION		1983	
=	FROM FLATLAND TO 3-D		1987	
BARDEN, WILLIAM			1988	170
BARDEN, WILLIAM			1986	224
BARDEN, WILLIAM			1987	
BARDEN, WILLIAM	PUT ON YOUR 3-D GLASSES		1989	
BARRINGER, JAMES	DOG-GONE PROGRAM		1982	
BAUER, GREG	TURNING TEXT GRAPHICS INTO TITLE SCREENS		1989	
BELL, MARK	THIS WREATH HANGS INDOORS	DEC		72
BENNETT, JIM		MAY		
BENNETT, JIM			1989	
	GET AND PUT: HI-RES MOVEMENT		1981	
BENWAY, PATRICK		DEC		
BENWAY, PATRICK			1986	113
BERENZ, MICHAEL	THE BOOGIE BOX		1986	113
BERNICO, BILL	CASE OF THE SHIFTY-EYED ANIMATION TUTOR	JAN		
BERNICO, BILL	COLORS OF THE SPECTRUM	OCT		
BERNICO, BILL	DOODLE DITTY	JAN		
BERNICO, BILL	GRAPHING GREAT GUITARS	JUN		
BERNICO, BILL	PEACE TREATY FOR HACKERS AND COUCH POTATO		1986	49
BERNICO, BILL		JUN		
BERNICO, BILL		APR		
BERNICO, BILL		JAN		
BERNICO, BILL	PREPARE BEFORE YOU PAINT		1987	
	THANKSGIVING PIZZA PARTY		1986	28
BERNICO, BILL	THE COCO COLORING BOOK			12
	THE COLOR COORDINATOR		1989	101
BERNICO, BILL	THE ZOOM-BLOOM PLANT		1986	
BERNICO, BILL	YE OLDE FONT	MAY		
=	THE CLOWN OF A HUNDRED FACES	JAN	1988	44
	LONG AND WINDING ROAD TO ASSEMBLY GRAPHIC	NOV	1985	90
BILLEN, DAVID	COCO BRIGHT	FEB	1987	49
	COCO UNFURLS OLD GLORY	JUL		113
BROWN, CHRIS		FEB		88
BRYSON, B.J.		JUN		59
CALDWELL, STEVE		JUL	1988	82
	ANIMATION FILM FESTIVAL	OCT	1987	114
	GRAPHICS TRIO	APR	1987	66
	WEAR YOUR HEART ON YOUR SCREEN	FEB	1988	100
CLEMENTS, DAVE	PIE GRAPH SUPREME	JAN	1984	189
COCO COMMUNITY	COCO GALLERY	JAN	1989	26
COCO COMMUNITY	COCO GALLERY	FEB	1989	26
COCO COMMUNITY	COCO GALLERY	MAR		26
COCO COMMUNITY	COCO GALLERY	MAY		26
COCO COMMUNITY	COCO GALLERY	JUN		26
COCO COMMUNITY	COCO GALLERY		1988	26
COCO COMMUNITY			1990	18
COCO COMMUNITY		AUG	1988	34

COCO COMMUNITY	COCO GALLERY	SEP	1988	26
COCO COMMUNITY	COCO GALLERY	OCT	1990	18
COCO COMMUNITY	COCO GALLERY	OCT	1988	26
COCO COMMUNITY	COCO GALLERY	NOV	1988	26
COCO COMMUNITY	COCO GALLERY	DEC	1988	26
COCO COMMUNITY	GRAPHICS QUICKIES	JAN	1985	146
COCO COMMUNITY	GRAPHICS QUICKIES	OCT	1985	18
COCO COMMUNITY	INTRODUCING THE COCO GALLERY	MAY	1985	162
COCO COMMUNITY	THE COCO GALLERY	JAN	1986	114
COCO COMMUNITY	THE COCO GALLERY	JAN	1987	18
COCO COMMUNITY	THE COCO GALLERY	FEB	1986	178
COCO COMMUNITY	THE COCO GALLERY	FEB	1987	18
COCO COMMUNITY COCO COMMUNITY	THE COCO GALLERY	MAR	1986 1987	114 18
COCO COMMUNITY	THE COCO GALLERY THE COCO GALLERY	MAR APR	1986	114
COCO COMMUNITY	THE COCO GALLERY	APR	1987	18
COCO COMMUNITY	THE COCO GALLERY	MAY	1986	18
COCO COMMUNITY	THE COCO GALLERY	MAY	1987	18
COCO COMMUNITY	THE COCO GALLERY	JUN	1986	114
COCO COMMUNITY	THE COCO GALLERY	JUN	1987	18
COCO COMMUNITY	THE COCO GALLERY	JUL	1986	18
COCO COMMUNITY	THE COCO GALLERY	AUG	1985	178
COCO COMMUNITY	THE COCO GALLERY	AUG	1986	114
COCO COMMUNITY	THE COCO GALLERY	SEP	1985	178
COCO COMMUNITY	THE COCO GALLERY	SEP	1986	122
COCO COMMUNITY	THE COCO GALLERY	OCT	1985	170
COCO COMMUNITY	CORRECTION	NOV	1985	184
COCO COMMUNITY	THE COCO GALLERY	OCT	1986	122
COCO COMMUNITY	THE COCO GALLERY	NOV	1985	178
COCO COMMUNITY	THE COCO GALLERY	NOV	1986	26
COCO COMMUNITY	THE COCO GALLERY	DEC	1985	210
COCO COMMUNITY	THE COCO GALLERY	DEC	1986	114
COCO COMMUNTIY	THE COCO GALLERY	JUL	1985	178
COOPER, RICK	SETTING FOR ONE	DEC	1988	90
COOPER, RICK	TODAY'S FORECAST	APR	1989	82
CROOKS, MARY	LIKE SANDS THROUGH THE HOURGLASS	JAN	1985	156
CROOKS, MARY	CORRECTION	MAY	1985	148
CURTIS, ALLEN	HIGH-CAPACITY SCREEN DUMPS	AUG	1989	38
CURTIS, ALLEN		OCT		63 52
CURTIS, H. ALLEN CURTIS, H. ALLEN	FESTIVE COCO: READY TO PAINT THE TOWN	MAY JUL		46
	GETTING MORE FROM PMODE 4	JUN		42
=	PALETTEABLE COLOR MIXING	APR		124
	PUT SPEEDY GETZALES TO WORK	NOV		158
CURTIS, H. ALLEN	OUICK DRAW COCO	MAY		59
	SCREEN DUMP EXTRAORDINAIRE	OCT		
<del>-</del>	SHADES OF PMODES 1 & 2 GIVE MOVE COLORS	NOV		
	BREAKING THE FOUR-COLOR BARRIER	OCT	1988	
	THE SIMPLICITY OF SINELINES	OCT	1983	80
DANA, JOHN		DEC	1982	85
DANA, JOHN	SON OF GRAPHIC TRAFFIC	MAR	1983	164
DAVIES, PETER	HOLIDAYS AT THE HEARTH	DEC	1988	89
DAVIS, ROBERT	HOLIDAYS AT THE HEARTH OF PORSCHE, THESE WHEELS ARE SPECTACULAR GLOMMER: TRUE GRAPHICS FOR 4K	APR	1985	238
DAWSON, DAVID	GLOMMER: TRUE GRAPHICS FOR 4K	OCT	1983	122
DAY, DARREN	SIMPLE DRAW	JUN	1989	93
	AROUND THE WORLD IN 18 FRAMES	AUG	1985	73
DELBOURGO, BOB, ET		FEB	1986	168
	MORE MOIRE - FROM DOWNUNDER	NOV	1982	23
DELBOURGO, D. & R.		OCT	1983	306
DELBOURGO, D., ETA		MAR		28 116
	3-D GRAPH PLOTTING OF MULTIPLE VARIABLES FASCINATING FRCTALS: GEOMETRY & NATURE			28
PHIDOUNGO, KUDEKI	INDCIMALING INCIALD: GEOMETRI & NATURE	ООП	1903	40

DELBOURGO-FERGUSON	TUMBLE 'BRELLA'	OCT	1983	204
DELLAFAVE, RENARD	A FESTIVAL OF LIGHTS	DEC	1987	28
DERSHEIMER, RICHAR	REDCHASE	NOV		158
DERSHEIMER, RICHAR		NOV	1982	142
	A SALUTE TO THE FLAGS	MAY	1986	
DIZAZZO, ERNIE	COCO CAN PLAY CUPID, TOO	FEB	1987	36
DOLD, CHARLES	DYNAMIC COMPUTER GRAPHICS	SEP		
DOLLBERG, DONALD	VISUAL AIDS BY COCO	JUN		
DOWD, KEVIN	THE LITTLE GRAPHICS LIBRARY IT'LL MOVE YOU RING IN THE OLYMPICS!	AUG		
DUECK, TIMOTHY	IT'LL MOVE YOU	APR	1989	
DUKE, BILL	RING IN THE OLYMPICS!	AUG		156
ENDRES, M.H.	PRINTING CHARACTERS ON GRAPHICS SCREEN	MAY	1982	8
FAULSTICH, PAUL	CREATING MOIRE PATTERNS IN PMODE4	OCT	1984	18
FAULSTICH, PAUL		FEB		
	A MOVEABLE FEAST FOR THE COCO	AUG		
FEARING, MARLENE	HOME SWEET HOME	JAN	1985	28
FERREIRA, KEN	TUNNEL EFFECTS ANIMATION USING THE X-PAD FROM OUR HOUSE TO YOURS RANDOM GRAPHIC FUN	NOV	1987	96
FORD, JAMES	ANIMATION USING THE X-PAD	DEC	1983	
FORTIN, ILENE	FROM OUR HOUSE TO YOURS	DEC	1986	62
FOULKE, ROBERT	RANDOM GRAPHIC FUN	DEC	1981	8
	PMODE4 GRAPHICS DUMP	OCT	1983	298
	LOW RESOLUTION DRAWING	MAR	1983	166
	A MOVING RAINBOW BORDER	APR	1989	112
GEORGE, TOM		OCT	1990	10
GERMANN, KARL	RANDOMLY DRAWN CIRCLES	MAR	1983	191
		DEC	1985	196
GOFF, ALLEN	SHOWING OFF RANDOM GRAPHICS	NOV	1988	75
GOLIAS, RUTH	A PUBLIC SERVICE MESSAGE	FEB	1987	124
GOLIAS, RUTH	HE'S JUST A SNOWMAN	DEC	1989	20
GOLIAS, RUTH	HOME SWEET HOME	MAY	1986	20
GRANT, RON	THE SCHEMATIC SCOUNDREL, REVISITED	JUL	1989	101
GRAY, THOMAS	HE'S JUST A SNOWMAN HOME SWEET HOME THE SCHEMATIC SCOUNDREL, REVISITED HANDY REUSABLE GRAPHICS GRID	APR	1983	73
GRENGS, PATRICK	WARPED ANIMATION	OCT	1988	102
GRENGS, PATRICK	CORRECTION	JAN	1989	41
GROSS, KEVIN	ONE LINER CONTEST WINNER	JUL	1988	94
HALL, CHRIS	COMBINE GRAPHICS AND TEXT	NOV	1982	26
HALL, GREG	SHORT DAY'S JOURNEY INTO THE NIGHT	NOV	1987	106
HALL, JIM	GRAPHICS SPECIAL: THE '178' POKE	OCT	1983	102
HALL, MIKE	CHRISTMAS PAGEANTRY	DEC	1985	212
HALL, MIKE	FOUR FOR THE SHOW	OCT	1983	77
HARPER, JEFF	GRAPH-O-MATIC	SEP	1986	82
HAWKINS, DARRYL	A THIRD GRAPHICS SCREEN	NOV	1987	100
HERR, DARIN	COCODRAW CONCOCTIONS	OCT	1986	59
HILL, KENNETH	AN UNCOMMON VIEW	APR	1989	81
HILL, KENNETH	BIG BROTHER'S WATCHING	MAR	1989	78
HIMOWITZ, MICHAEL	HOW TO BE A PRINTER ARTIST	NOV	1983	126
HOFFMAN, PAUL	LAUNCH YOUR NEXT TRIP FROM X-PAD	NOV	1983	292
HOFFMAN, PAUL	PRINT PICTURES FROM THE ART GALLERY	OCT	1984	131
INMAN, DON	ACHIEVING MOTION WITH GET AND PUT	JAN	1983	106
INMAN, DON	BUILD A HONEYCOMB FROM BASIC	SEP	1984	100
INMAN, DON	DIRECT GRAPHIC DESIGN	OCT	1983	108
INMAN, DON	DIVIDING THE PIE-COLORFULLY	MAR	1984	199
	HAPPY GRAPHIC HOLIDAYS	DEC	1983	188
INMAN, DON	HI-RES GRAPHICS TECHNIUES EXPLAINED	DEC	1982	41
INMAN, DON	LOOKING AT LOGO FROM BASIC	MAY	1984	125
<u>=</u>	MAKE SOME REGULAR POLYGONS	APR		
=	MENU HELPFUL FOR CHOOSING THE RIGHT COURS	FEB	1984	
=	PAINT SHOP	SEP	1983	
=	PROMPTED GRAPHICS PROGRAM	JAN		
		JUN		
		JUN		
	TECHNIQUES FOR PLOTTING SCREEN GRAPHS			
-			-	-

INMAN, DON		APR	1984	210
INMAN, DON			1983	-
	USING GRAPHICS: CIRCLES AND ARCS			
		AUG		
	AN RGB DEMONSTRATION	JAN		
	THE HOME HURRICANE TRACKING STATION	OCT		
JONES, EDWARD		MAY		
JUDD, DARYL		JUN		
	COCO SEASON'S GREETING CARDS	DEC		
KAWA, JEFF KENNY, KEIRAN	SHUTTLE GRAPHIC	MAY		
KENNY, KEIRAN	FOR THE BIRDS	APR		
KENNY, KEIRAN KENNY, KEIRAN	LAYING IT ON THE LINE	JAN		_
		OCT		
KENNY, KEIRAN		JAN		
	THE ELETRONIC MARQUEE	SEP	1986	
KENNI, KEIRAN KENT, JIM	TYING UP DRAW STRINGS GUPPIE GRAPHICS	OCT		_
KERCKHOFF, PETER		FEB	1986	
KERCKHOFF, PETER		OCT		
KERCKHOFF, PETER		FEB	1986	
KIENTZLE, TIM		DEC	1990	
KIENIZUE, IIM KIENTZIE, TIM	PICTURE STORAGE FORMATS	OCT	1990	_
	RUN-LENGTH DECODING TECHNIQUES	NOV	1990	
KING. DAVID		OCT	1983	
KOHN, JOSEPH		FEB	1986	
		OCT	1984	
	DRAW STATEMENTS: GETTING THE PICTURE		1987	
	DRAWING ON THIS BLACKBOARD CHALKS UP		1983	_
KOLAR, JOSEPH		APR	1987	
KOLAR, JOSEPH	FINAL SESSION WITH THE 'A' OPTION	OCT	1985	83
KOLAR, JOSEPH	FINAL SESSION WITH THE 'A' OPTION GRAPHICS EXPERIENCE YOU CAN DRAW FROM IMAGINATION & SIMPLE GRAPHICS TECHNIQUES MASTERING THE DRAW STATEMENT	JUL	1987	157
KOLAR, JOSEPH	IMAGINATION & SIMPLE GRAPHICS TECHNIQUES	AUG	1984	158
KOLAR, JOSEPH	MASTERING THE DRAW STATEMENT	AUG	1985	172
KOLAR, JOSEPH	PRACTICING LINE AND DRAW WITHOUT DRUDGERY	SEP	1984	109
KOLAR, JOSEPH	PSET SAIL IN THE FOR/NEXT SEA	MAY	1986	174
KOLAR, JOSEPH	SEASON'S GREETINGS	DEC	1984	60
KOLAR, JOSEPH	SIMPLE TECHNIQUE FOR CREATING ANIMATION	MAR	1986	39
KOLAR, JOSEPH	SPRUCING UP AN OLD DESIGN	SEP	1985	136
KOLAR, JOSEPH	WHEN A GRAPIC IDEA STRIKES	FEB	1984	284
KOTCHER, DARRYL	COLOR SKETCH: KEYBOARD GRAPHICS UTILITY	OCT	1983	161
KOZUBAL, JOHN	FACE TO FACE TO FACE	JAN	1984	89
KRESSMAN, ROBIE	ASTRONOMER'S HEAVEN	JAN	1987	30
<del>-</del>	CREATE 3-D GRAPHICS WITH SAR27	JAN	1983	170
KRIKORIAN, EDWARD		SEP	1983	
KROM, MATT	POWERFUL PAGES	JUL		
	PICTURES PERFECT WITH PROWRITER	MAY		
	DESIGN YOUR OWN CALENDAR PIN-UP	MAY		
	THAT'S THE WAY THE BALL BOUNCES	MAY		
LABONVILLE, HELEN		OCT	1986	
	CURVFITZ IS NUMBER CRUNCHER OF FIRST ORDE			
	THREE EASY PIECES: ONE ANIMATOR'S ART	APR		
•	SCREEN-TO-PRINTER COLOR GRAPHICS	MAR	1983	18
•	MERRY MARTIAN	OCT	1987	
MATTHEWS, BECKY	A CYCLE-DELIC PALETTE	FEB	1987	
MATTHEWS, BECKY MATTHEWS, BECKY	ELECTRIFYING GRAPHICS USING PMODE POWER GRAPHICS AND SOUND ENTERTAINMENT	OCT	1987 1986	
MATTHEWS, BECKY		JUN DEC		
	PORTRAITS BY BASIC	OCT		
MCDOWELL, JIM		NOV		
		MAY		
=		JAN		
	SIGHTS AND SOUNDS: GRAPHICS BAZAAR			
	ILID DOGIDD: GIGHT HIGH DRUMM			0

MITCHEL, BARRY	ALL THE RIGHT MOVES	DEC		116
	GRAPHICS CREATION TRANSFER	OCT		
	PICTURE PERFECT GRAPHICS COMMANDS	MAR		
MOOS, PATRICIA		OCT		
	NOW YOU SEE IT, NOW YOU DON'T	JUN		
	WINTER MAGIC	DEC		
MUSUMECI, JOHN	COCO'S DARING FLYING MACHINE	JAN		
NEE, WILLIAM	THE GRAPHICS CORNER	AUG		
NEE, WILLIAM	THE GRAPHICS CORNER, PART II THE GRAPHICS CORNER, PART III	SEP		
NEE, WILLIAM	THE GRAPHICS CORNER, PART III	OCT		
	POLYGONS? GOLLYGONS!	DEC		
OSTROM, STEVE		MAR	1990	92
	ARTIFACT COLORS ON COCO 3'S RGB	FEB	1988	
	COCOFLOW: COCOCAD EXPANDED	MAR		
PARAVATI, JOSEPH		OCT	1983	
PARKER, SANJAY	FREAKY FACE	OCT	1987	
PENDELL, JOSEPH	BEAM3D THE MATHEMATICS OF CHAOS	MAY	1989	75
PHILLIPS, JOHN	THE MATHEMATICS OF CHAOS	MAR	1989	-
PLAXTON, JOHN	COCO BAKES A CAKE	JUL	1985	99
	FLASHY PROGRAM, BY THUNDER	APR	1983	16
POKORNY, DOUGLAS	ADDING THE HPRINT CAPABILITY TO PMODE4	MAY	1988	155
POLLARD, ED	NOW LOOKIT THAT!	JAN	1983	164
POLSZ, STEVEN	OPTIMUM ANIMATION	OCT	1986	116
POUCH, ARNOLD	MOTION PIX PROGRAMMING-A PROGRAM TO RUN	MAY	1982	36
POUCH, ARNOLD	MOTION PIX PROGRAMMING-THE DETAILS	APR	1982	13
POULOSKY, PAUL	CALLING ALL COCO NUTS	MAR	1985	164
PREBLE, BRIAN	THE ART OF JOYSTICK PAINTING	OCT	1984	97
PREBLE, BRIAN	CORRECTION A STAR LIKE A WHEEL M & N DECODED	MAR	1985	229
PRUYNE, JIM	A STAR LIKE A WHEEL	MAR	1988	75
RAINBOW	M & N DECODED	JUL	1981	3
RAINBOW	MAKE COCO LIVE UP TO IT'S NAME	AUG	1982	69
RAINBOW	MOTION PICTURE PROGRAMMING (MPP)	MAR	1982	24
RAINBOW	POLYGON AGAIN	FEB	1982	11
RAINBOW	PUT AND GET AND RANDOM FORMS	SEP	1982	32
RAINBOW	WHATMORE POLYGON	APR	1982	10
RAINBOW	YOUR VDG AND THE PMODE4 COLORS	AUG	1982	39
RAMELLA, RICHARD	PATTERN BLOCKS: REALITY PLAY	JAN	1986	40
REID, CHRIS	BEAUTIFUL MOIRE PATTERNS	OCT	1982	74
RODEN, BRIAN	LIVE AND IN CONCERT ON COCO'S STAGE	APR	1985	124
RODEN, BRIAN	THE ELECTRONIC VALENTINE-MAKER	FEB	1986	18
RODEN, BRIAN	CORRECTION	APR	1986	103
RODRIGUEZ, ANA	COCO CLOWNS AROUND	SEP	1988	74
RODRIGUEZ, ANA	NON-SMOKING SECTION	MAY	1988	90
ROPSON, RONALD	THE TRANSFIGURATION BAND	OCT	1986	44
SABO, RITA	ANIMATIC: AUTOMATIC ANIMATION	JUN	1985	58
SALVAIL, PIERRE	FOUR SHADES OF GRAY	MAY	1987	90
	A LESSON STRAIGHT FROM THE HEART	OCT	1985	163
SAPELLO, DONALD	PEELING GRAPHICS	FEB	1988	154
SCERBO, FRED		NOV	1987	113
SCERBO, FRED	EASILY GENERATE GRAPHICS DATA STATEMENTS	NOV	1983	160
SCERBO, FRED	EZ GRAPHICS-'85 STYLE	JAN	1985	32
SCERBO, FRED	FOOTBALL FEVER PART 1	NOV	1984	177
SCERBO, FRED	FOOTBALL FEVER PART 2	DEC	1984	107
SCERBO, FRED	RETURN OF BASEBALL FEVER	SEP	1985	104
SCERBO, FRED	ROCK'N'ROLLING BACK TO THE COCO ROCKFEST	JUL	1985	162
	THE COCO PUZZLE MAKER	OCT		72
SCERBO, FRED	THE FIRST COCO ROCKFEST	MAY		89
		MAR		
		OCT		
	LINES	AUG		
	A WINTER WONDERLAND	FEB		
SHOOBS, BERNICE	A WINTER WONDERLAND COCO CUDDLER	JAN		

SHOOBS, BERNICE	HIGH-TECH QUILTING BEE		1988	
SHORTT-DUNCAN	THE CHRISTMAS STAR	DEC		
SIMS, MICHAEL	DRAW GRAPHS OF DATA ONE LINER CONTEST WINNER		1987	
SIMS, MIKE	ONE LINER CONTEST WINNER WIZARD'S COMPUTER: A GRAPHIC TALE		1988	
			1984	
	THE SPIT AND IMAGE	MAY		
	MANDELBROT BUG AND COCO 3 MICROSCOPE			
SPILLER, JEREMY		OCT		
	BOUNCING OFF THE WALLS	JAN		
	COLOR YOUR COCO WORLD	JUL		
STEIDL, JEFF		JUN	1989	18
STROFFOLINO, PHIL	BASICS OF GRAPHICS ANIMATION		1991	
STUMPF, PETER	A FOURTH OF JULY CELEBRATION	JUL	1984	74
SUTPHIN, RICKY	A DEMONSTRATION ART	OCT	1987	80
TADMAN, SANDY	LIFE IN FISH BOWL	FEB	1988	78
TATARKA, JAMES	A TRIBUTE TO THE COCO2	JUN	1989	22
THOMAS, CARMIE	HAPPY NEW YEAR!	JAN	1987	29
THUME, WAYNE	A FOURTH OF JULY CELEBRATION A DEMONSTRATION ART LIFE IN FISH BOWL A TRIBUTE TO THE COCO2 HAPPY NEW YEAR! COLOR CARTOONS	OCT	1985	58
TINKLEPAUGH, DALE		AUG	1989	24
TOUCHSTONE, TERREL	COLOR-EYED-O-SCOPE	JAN	1984	80
TREVOR, ALEXANDER	IT IS BETTER TO PUT THAN TO GET	JAN	1985	23
VANDALL, MICHAEL	GRAPHICS IN A HURRY	OCT	1989	26
VASCONI, EUGENE		JUN	1984	89
VASCONI, EUGENE	COCO IN 3-D	JUN	1989	52
VASCONI, EUGENE	COCO IN 3-D HOLIDAY GREETINGS HOLIDAY HEARTH	JAN	1984	150
VASCONI, EUGENE	HOLIDAY HEARTH	DEC	1986	108
VASCONI, EUGENE	SEASON'S GREETINGS	DEC		
VENTLING, JAMES		NOV	1986	126
	CARTOONING WITH COCO	JUL	1988	
	GRAPHICS REFERENCE CHART	MAY	1988	92
	A PICTURE IS WORTH 6144 BYTES	FEB		
WELSH, JACK		MAY		
WESHENFELDER, RICK			1988	
WHITE, ERIC			1986	
WHITE, ERIC	THE COLOR GALLERY		1988	
WHITE, JEFF	THE COLOR GALLERY PICTURE FILE EXTENSION CHANGER THE GREAT PICTURE SHOW		1986	
WHITE TEFF	THE GREAT PICTURE SHOW		1986	_
WHITE RICHARD	THE COCO 3 COLOR PALETTE		1987	
	COCO DRAW UPDATE		1987	
WILSON, DAVID	GENIUS AT WORK	JAN		
WOLF, ERIC	CHART PLOTTING MADE EASY	JAN		
WOLF, EXIC WOLSTROMER, ANDY		MAR	1989	79
= = = = = = = = = = = = = = = = = = =		OCT		
WOMACK, WAYNE	THE COCO SCALER			166
WRIGHT, ARCHOR	AMNOTRON ANIMATION	JUL	1986	54
WRIGHT, ARCHOR	INITIALLY 3-D	OCT	1987	53
ZINIEWICZ, GEORGE	GRAPHICS? HERE ARE TWOBY GEORGE	NOV	1982	86

### HARDWARE PROJECTS

AUTHOR	ARTICLE	мтн	YR	PAGE
ATHEY T. WHIT	INTERFACE YOUR OWN CIRCUIT TO THE COCO	JUL	1984	138
ATHEY, T. WHIT		OCT		
	THE PROGRAMMABLE CHIP	AUG		_
BAIER, JEFF	WOW! ONE DISK DRIVE, TWO COCO'S	MAY		
	MAKE A REMOTE KEYPAD	SEP		
	BARDEN'S BUFFER: DEVICES, UNLIMITED	MAY		
	THE FORGOTTEN CHIP	MAY		130
	CUSTOM BUILT DESK FOR THE COCO	DEC		
	A NEW IMPROVED PRINTER ADAPTER	NOV		
DISTEFANO, TONY	A SIMPLE EXPANDABLE LED PROJECT	NOV		
<u>-</u>	ADDINGA NUMERIC KEYPAD TO YOUR COCO	APR		
	AN EXPANDABLE RELAY PROJECT	JUN		
	BEGINNERS-ADD AN LED TO YOUR CONTROLLER	JAN		
DISTEFANO, TONY	BUILD A HALF-MEGABYTE ROM DISK	APR		
DISTEFANO, TONY	BUILD AN ELECTRONIC EPROM EMULATOR ERASER			150
DISTEFANO, TONY	BUILDING AN EPROM EMULATOR	SEP		150
DISTEFANO, TONY	EPROM PROGRAMMER PART 1	AUG		
DISTEFANO, TONY	EPROM PROGRAMMER PART 2	SEP		_
DISTEFANO, TONY		OCT		
DISTEFANO, TONY	EPROM PROGRAMMER PART 3 FINISHING THE PRINTER ADAPTER		1987	
<b>,</b>	FORCE A COLD START FROM RESET	NOV		
DISTEFANO, TONY DISTEFANO, TONY				
DISTEFANO, TONY	HOOK UP THE RADIO SHACK VOICE SYNTHESIZER INCREASING CHARACTER DISPLAY	JUN		
DISTEFANO, TONY	LIGHTS! CAMERA! COCO!	DEC		
DISTEFANO, TONY	LOOK, MA, NO SWITCH	JUL		
<del>-</del>	MAKING COCO SHINE WITH MORE LED'S	SEP		
DISTEFANO, TONY		MAY		
DISTEFANO, TONY	MULTI-PAK LED UPGRADE	MAY		
DISTEFANO, TONY	MULTIPLE A-TO-D INPUT	OCT		
DISTEFANO, TONY	SOME HARDWARE FIXES FOR THE VDG THE ANALOG TO DIGITAL CONVERTER PART 1	OCT		
DISTEFANO, TONY	THE ANALOG TO DIGITAL CONVERTER PART 1			84
DISTEFANO, TONY DISTEFANO, TONY	THE COCO IS MUSIC TO THE EARS	NOV FEB	1985 1987	176
DISTEFANO, TONY	THE HARDWARE PROJECT BASICS REVIEW	MAY		
DISTEFANO, TONY	THE NO-SWITCH VDG	DEC		
DISTEFANO, TONY	TURN OF THE SCREW: DO YOU READ ME?	MAR		
DISTEFANO, TONY	TURN OF THE SCREW: LIGHTS OUT!	APR		
DISTEFANO, TONY	TURN OF THE SCREW: EIGHTS OUT:		1988	
DISTEFANO, TONY		SEP	1988	140
	TURN OF THE SCREW: TWO FOR ONE	JUL	1988	148
DOWD, ROGER	ARE YOU MISSING SOMETHING	AUG	1988	150
	ECONOMY PRINTER BUFFER PART 1	JUN		100
	THE ECONOMY BUFFER, PART II	JUL		72
	THE PERMANENT SHIFT	AUG	1985	169
	REJUVENATE TIME WITH QUARTZ LOCKED CLOCK	JUN		
	FIX YOUR COCO2 DISK CONTROLLER	FEB		149
	A PAL FOR YOU COCO3	JAN		
GOODMAN, MARTY	REMOTE CONTROL COCO	JUL		71
GOODMAN, MARTY	THE SHOCK ABSORBER	OCT		158
GOODMAN, MARTY	UPGRADING COCO'S MEMORY	MAR		34
GOSHORN, BRUCE		AUG		116
	THE OLD SWITCHEROO	AUG		108
HAVERSTOCK, MARK	THE OLD SWITCHEROO II	AUG		120
HAVERSTOCK, MARK	CORRECTION	OCT		84
HOWE, CLAY	COLOR BASIC ROM SWITCHER	APR		98
	COLOR DIDECTION DISTIBLE		-203	20

HUANG, DAVID	INTERNAL SOUND	JUN	1988	99
IACOVOU, NEOPHYTOS	A SPECIAL SWITCH	MAY	1990	43
KITSZ, DENNIS	THE LETTER BOX PRINTER BUFFER PART 1	OCT	1985	232
KITSZ, DENNIS	THE LETTER BOX PRINTER BUFFER PART 2	NOV	1985	248
LABONVILLE, HELENE	GET YOUR FEET WET WITH THESE PADDLES	AUG	1984	131
LABONVILLE, HELENE	CORRECTION	OCT	1984	237
LEWANDOWSKI, DENNI	128K THE EASY WAY	DEC	1984	162
LEWIS, EMMETT	SMARTER-THAN-AVERAGE PRINTER BUFFER	MAY	1987	160
LILL, MICHAEL	ROUTING SWITCHER KEEPS THE TALK	APR	1985	32
	MONITORING CLOCK SPEED	MAY	1991	53
MCINTOSH, TIM	DO-IT-YOURSELF VIDEO OUTPUT BOARD	SEP	1986	171
MCINTOSH, TIM	CORRECTION	NOV	1986	78
MERRYMAN, ROBERT	THE SUPER SWITCHER	NOV	1986	168
MIMS, ERIC	JUST ONE TOUCH-JUST ONE BREATH	FEB	1989	50
	CHILD-PROOFING THE COCO		1988	142
SCHREUR, JAN PIETE	TURN YOUR MONITOR INSIDE OUT	APR	1985	116
SHAVER, J.O.	PLAY YOUR GAMES WITH WIRELESS JOYSTICKS	JUN	1985	105
STEARMAN, COLIN	COCO CHRONOGRAPH	JUN	1985	83
	COOKING WITH COCO PART 2	AUG	1984	170
STEARMAN, COLIN		SEP	1984	234
STEARMAN, COLIN	COOKING WITH COCO PART 6	DEC	1984	154
STEARMAN, COLIN	CORRECTION	FEB	1985	281
STEARMAN, COLIN	COOKING WITH COCO PART 8	FEB	1985	146
WARD, LOGAN	LED POWER INDICATOR	DEC	1986	160
WEIDE, DEBBIE; DENN	GALILEO AND THE COCO	DEC	1987	160
	A COCO DIGITAL LOGIC ANALYZER, PART 1	MAR	1990	26
	COMPLETING THE ANALYZER PROJECT	APR	1990	72
WEIDE, DENNIS	HANDS-FREE COMPUTING	FEB	1989	58
	SLEEP TIGHT: COCO IS AWAKE PART 1	DEC	1985	58
	SLEEP TIGHT: COCO IS AWAKE PART 2		1986	58
	STATIC RAM INTERFACE	MAY	1988	150
	THE COCO ROS, PART 1	DEC	1986	85
	THE COCO ROS, PART 2	JAN	1987	153
WEIDE, DENNIS	THE COCO ROS, PART 3	FEB	1987	152
WOLFF, HAROLD	LOOK WHAT THEY'VE DONE TO MY COCOS	MAR	1987	

### HARDWARE TUTORIALS

AUTHOR	ARTICLE	мтн	YR	PAGE
ADAMS, RICK	GIME POWER	MAR	1989	14
AUGSBURG, CRAY	DISSECTING THE COCO3	OCT		
BARDEN, WILLIAM	A COCO DUAL-TRACE OSCILLOSCOPE	MAR		
	DIGITIZING THE WORLD REVISITED	JUN		
BARDEN, WILLIAM	HIGH HOPES FOR THE HI-RES	FEB		
BARDEN, WILLIAM		SEP		
•	EXPOSING COCO TO PHOTOGRAPHY	FEB		
-	MONITORING THE REAL WORLD		1991	
DISTEFANO, TONY		FEB		
DISTEFANO, TONY	A DIGITAL LESSON PART 2		1990	
DISTEFANO, TONY	A DIGITAL LESSON PART 3		1990	
DISTEFANO, TONY	A LOOK AT HOW MONITORS WORK		1987	
DISTEFANO, TONY	COCO REAL TIME	JUN		
DISTEFANO, TONY	CORRECTION		1987	
DISTEFANO, TONY	AN INTRODUCTION TO TIMING		1986	
DISTEFANO, TONY	BEGINNER'S HARDWARE COURSE PART 1	JAN		
DISTEFANO, TONY	BEGINNER'S HARDWARE COURSE PART 2	FEB		
DISTEFANO, TONY	BIGGER AND BETTER EPROMS	MAR		
DISTEFANO, TONY	BUILDING A RAM DISK	SEP		
DISTEFANO, TONY	BUILDING A RAM DISK	OCT		
DISTEFANO, TONY	CLEARING THE PATHS		1990	
DISTEFANO, TONY	CLEVER USES FOR MEMORY	AUG		
DISTEFANO, TONY	DISK TRACK TRACER		1990	
DISTEFANO, TONY	DISSECTING THE DISK CONTROLLER	OCT		
DISTEFANO, TONY	DYNAMIC RANDOM ACCESS MEMORY EXPLAINED	JUL		
DISTEFANO, TONY	EPROM PROGRAMMER HANDBOOK		1990	
DISTEFANO, TONY	HOW COLD IS IT?	JAN		
DISTEFANO, TONY	HOW COLD IS IT?	MAR		
DISTEFANO, TONY	HOW THE MULTI-PAK INTERFACE WORKS	FEB		
DISTEFANO, TONY	INVESTIGATING THE CPU		1986	
DISTEFANO, TONY	INVESTIGATING THE PIA	JUL		108
DISTEFANO, TONY	LET'S TAKE A LOOK AT THE COCO2B	SEP		125
DISTEFANO, TONY	MAKINGS OF MEMORY AND HOW IT WORKS		1986	
DISTEFANO, TONY	MORE ON THE NEW VDG	NOV		
DISTEFANO, TONY	RAM DISK, PART III	DEC		
DISTEFANO, TONY	THE HALT PIN AND ITS FUNCTION	SEP		
DISTEFANO, TONY	TIMING AND THE SAM CHIP		1986	
DISTEFANO, TONY	TOOLS OF THE TRADE	MAY		54
DISTEFANO, TONY	TRANSISTOR BUFFERS FOR STEREO APPLICATION			88
DISTEFANO, TONY	TURN OF THE SCREW: ALL ABOUT SERIAL PACKS			167
DISTEFANO, TONY	TURN OF THE SCREW: THE ABC'S OF DISK DRIV			80
DISTEFANO, TONY	TURN OF THE SCREW: THE DEFS OF DISK DRIVE			98
ELLERS, ED	WHAT'S AN ANALOG RGB MONITOR	SEP	1986	27
GOODMAN, MARTY	A RECIPE TO FIX COCO FRIED CHIPS	AUG	1986	24
GOODMAN, MARTY	ADDING A DISK DRIVE TO YOUR COCO PT 2	APR	1990	92
GOODMAN, MARTY	ADDING A FLOPPY DISK TO THE COCO	MAR	1990	22
GOODMAN, MARTY	FIXING COCO AND MULTIPAK POWER SUPPLIES	DEC	1986	54
GOODMAN, MARTY	INSIDE THE COCO3	OCT	1986	90
GOODMAN, MARTY	QUICK FIXES	OCT	1988	58
GOODMAN, MARTY	CORRECTION	NOV		138
GOODMAN, MARTY	THE OS-9 CART INTERRUPT FIX	NOV		50
PHILLIPS, CHARLES		MAR	1991	44
-				

### HINTS

AUTHOR	ARTICLE	мтн	YR	PAGE
BESHERSE, BERNIE	INCREASE LINE DELAY IF PRINTER PROBLEMS	APR	1987	147
BOUCHARD, ROGER	BUG IN HPRINT COMMAND	FEB		115
BOUCHARD, ROGER	CORRECTION	APR		_
•	USEFUL COMMANDS FOR CONTROLLING GRAPHICS	AUG		
COOKE, H.D.	CONVERSION FROM HEX TO DECIMAL TO OCTAL	APR		142
DANIELS, RANDY		DEC		
DEICH, DONALD		FEB		
DEMAREE, JACK			1987	
DEVLIN, PAUL			1987	
DILLON, JOHN	PUT IN SOUND PROMPTS		1987	
DUGRE, BERTRAND	PALETTE COMMAND HINTS		1987	
	HIGH SPEED POKE WITH CASSETTE RECORDER		1988	
ENGLAND, CARL	HPRINT SHORTENED		1988	
FORBES, JASON	COCO 3 CUSTOM COLORS		1987	
GAGNON, MARC	80-COLUMN EDTASM+		1987	189
GAGNON, MARC			1987	147
GAGNON, MARC			1987	138
GAGNON, MARC	USING INKEY\$	JAN		136
GRUMANN, HAROLD	AUTOEXEC-LIKE FILE			83
HAMELUCK, JEFF	EDTASM AID		1987	
HARRIS, TIM	USE COCO MAX CARTRIDGE			96
HAUGHEY, STEPHEN			1987	144
HEMENWAY, RON	MAKE DISK LABELS STICK BETTER	FEB		
KNOPPOW, JIM	ALTER THE CURSOR	NOV		
LAW, GREG	RAINBOW CHECK PLUS FIX	APR		
	USE CASSETTE PORT TO GET SOUND TO MONITOR			171
MILLS, DAVID	M/L AUTOSTART	MAR		182
MILLS, DAVID	RGB SHORTCUT	MAY		-
NASH, JON	USE CASSETTE RELAY FOR INTERESTING SOUNDS			
=	CASSETTE I/O ERRORS	MAY		97
OSTRER, KEN	CURSOR CONTROL		1988	83
PETRAK, DARRYL			1987	14
POWER, WILL			1987	189
RAINBOW	BOLT COCO AND MULTIPAK TO PLYWOOD		1988	144
RAINBOW	CASSETTE LOADING TIP	JAN		
RAINBOW	DISK DIRECTORY PRINOUT		1986	136
RAINBOW	DISK DIRECTORY PRINTOUT		1987	
RAINBOW	ENTER HI-RES SCREEN WITHOUT CLEARING IT	JAN		83
RAINBOW	HINTS ON DEBUGGING A PROGRAM	JUN		
RAINBOW	PLACEMENT OF DISK DRIVE AND TV	FEB		136
RAINBOW	PRINOUT DISK DIRECTORY	JAN		148
RAINBOW	PRINTER BAUD RATE TABLE	APR	1987	24
RAINBOW	PRINTER BAUD RATES	JAN		166
RAINBOW	TAPE RECORDER I/O FIX	AUG	1987	24
RAINBOW	TURN CASSETTE RECORDER UPSIDE DOWN	JAN		134
RAINBOW	WAITING FOR THE KEYSTROKE	AUG		148
RAINBOW	WHAT'S YOUR ROM VERSION?	AUG		139
RAINDOW	PUT 'CALL WAITING' ON HOLD	JUL		134
RITCHEY, RALPH	UNDO EDITING CHANGES	SEP		166
ROSEN, BOB	COCO3 LOWERCASE IN 32 COLUMNS	JAN		146
ROSEN, BOB	COCO3 TIPS	MAR		160
	KEYBOARD CONNECTION MODIFICATION	JUL		156
<u>=</u>	MAKE AN RS-232 'Y' CABLE	DEC		133
SHELTON, DOUGLAS		AUG	1987	98
•		_	-	-

SHINATZKI, STEVEN	USING INKEY	OCT	1987	14
STEVENSON, COLIN	VIP COLORS	SEP	1987	14
STEWART, JAMES	PRINT USING HIGH SPEED POKE	FEB	1988	87
STRIKE, THOMAS	AVOID BURN-IN OF MONITOR	MAR	1987	142
TAGGART, NED	TROUBLE SHOOT A LOCKED UP KEYBOARD	MAR	1988	144
TURNER, DEL	DISCUSSION OF MEMORY AND OS9	NOV	1988	92
TURNER, DEL	HANDY WORK WINDOW	JUL	1988	189
TURNER, DEL	OS-9 HINTS	SEP	1988	134
TURNER, DEL	THREE HANDY SCREENS	OCT	1988	83
TURNER, DEL	USE OF COBBLER COMMAND	AUG	1988	169
VALENTINE, JOHN	X MARKS THE SPOT	MAY	1987	125
WILSON, STEPHEN	MULTI-PAL TIPS	NOV	1986	73
ZORE, ERNEST	PROGRAMMING HINTS	JUL	1990	61

### HOME/HOBBY

AUTHOR	ARTICLE	мтн	YR	PAGE
ALLEN, DAVID	COCO CONCOCTIONS	DEC	1987	77
ALLEN, DAVID	SEAL IT WITH A COCO KISS	MAR		
ANDERSON, DENNIS		APR		
ANDERSON, LARRY	COCO'S AUTO MAINTENANCE MANAGER	APR		
ANDREWS, ALAN	LIBRARY LABELER	MAY		
BALL, HOWARD	CONTEST CHECK LIST	SEP		
BALL, HOWARD				
BALL, JAMES		DEC		
BALL, JAMES	CORRECTION	MAR		
BECKLES, ORMAN	THE POST OFFICE	MAR		104
BECKLES, ORMAN			1988	
	FINGER SPRINTS		1987	
BELL, BRUCE	INTERIORS BY COCO	MAY		58
BENNETT, JOSEPH	FOR ALL YOUR SECRETS-THE FULL JARBCODE		1982	50
BERNICO, BILL	I OWE, I OWE	JAN		
BERNICO, BILL	PLANNING AHEAD			127
BISH, CHARLOTTE			1983	328
BORGER, J.E.	AUTO ECONOMY		1987	
<u>-</u>	EASY WAY TO PLACE ORDERS BY MAIL		1982	_
BROOKS, SID	VISIBLE CHECK REGISTER	JAN		_
BRUCK, BILL	KEEP TRACK WITH A MAILING LIST		1982	
BURDON, KENNETH	WATTS THE ELECTRICAL COST OF APPLIANCES		1987	
CARRIGAN, BILL	IT ALL ADDS UP		1987	
CARSON, EDWARD	BASEBALL STATISTICS MADE EASY			92
CARSON, EDWARD	HOME MANAGEMENT MADE EASIER		1984	
CARSON, EDWARD	THE JOYS OF EARLY AMORTIZATION		1986	
CARSON, EDWARD	THE MOST PROFESSIONAL GARAGE SALE	MAY		
CLAPPER, DAVID	INVOICE INNOVATION	APR		
COCO COMMUNITY	COCO CLUBS	NOV		330
COCO COMMUNITY			1984	
COPLEY, DON	LET YOUR COCO DO THE WALKING			70
CRAWFORD, GAY				89
CROUSER, TOMMY			1986	130
DEAN, JAMES	BULLETIN BOARD STANDOUTS ARE EASY	MAY		
DERRINGER, DENNIS	WALLPAPER CALCULATOR	JUN		
DETTMANN, HARVEY	HOW COLD IS IT	OCT		82
	IMPROVE YOUR TYPING SKILLS	JAN	1988	82
DISTEFANO, TONY		JUN		
	INVITATIONS MADE EASY	JAN		
	HOME BUDGET ANALST 4.0	FEB	1991	10
DUFUR, GLEN	HOME BUDGET ANALYSIS	MAR		76
EIZENGA, JACK	RULES OF 78'S	MAR		100
	SEE HOW YOUR STOCKS STACK UP	MAR		122
=	YOUR VERY OWN INTERIOR DECORATOR	JUN		28
FALK, LAWRENCE	DO YOUR TAXES ON YOUR COCO	MAR		8
FALK, LAWRENCE	PREPARE FOR TAX TIME-EASILY	FEB	1982	2
FRANCIS, DAVID	MOON MAPPER	MAR		82
FRANZ, JAMES	STOCK ANALYZER	MAR		
FUGH, JOHN	WHO'S ON FIRST	APR		
FURMAN, GEORGE		DEC		
GALLAGHER, JOHN		MAR		
	KEY YOUR CHECKS TO ACCOUNTS	OCT		20
GIOVANONI, RICHARD		MAR		162
	WORK STATION ON WHEELS	JUL	1983	218

GONCE, BURT	COCOO YIELDS	APR	1987	74
GREEN, ROBERT	CHECK IT OUT	MAR	1987	20
GRIFFARD, ROBERT	BANISHING THE FREEZER BURN BLUES	APR	1987	37
HAAS, DAVID	THE BUDGET MASTER'S COMPANION	MAR		
HADY, TOM		DEC		
HAIR, FRED	ON VCR TIME	SEP	1988	122
HALBROOK, TRAVIS	CUSTOM CASSETTE LABELS	FEB	1989	88
HALLSTROM, HARRY	ASSESSING THE MARKET VALUE OF YOUR HOME	APR	1986	79
HANUSIAK, ALAN	COCO'S QUICK STATION LOG	NOV	1985	44
HARTLEY, ERIC	LITTLE BLACK BOOK	NOV	1985	172
HINTON, RON	BEST MEDICINE FOR DISORDERLY MED BILLS	FEB	1990	116
HOLDORF, WILLIAM	APPOINTMENT CALENDAR	JAN	1988	100
HOOPER, DAVID	A PUMPKIN FOR YOUR WINDOW A FACE SAVING ADDRESSOR FOR FRED FRED'S POSTCARD WHACKER	OCT	1982	104
HUGHES-JAMES	A FACE SAVING ADDRESSOR FOR FRED	DEC	1983	160
HUGHES-JAMES	FRED'S POSTCARD WHACKER	MAY	1984	84
HURT, BRADLEY	DIARY	JUN	1989	91
HYRE, LEONARD	HIRE THE COCO HANDIMAN	APR	1986	162
HYRE, LEONARD	WATCH IT ADD UP WITH THE IRA PROJECTION	AUG	1984	84
HYRE, LEONARD	YOU CAN BET ON WAGER MASTER	MAY	1984	166
JOHNSON, RICHARD	MORE THAN A HOUSE	FEB	1989	110
JOHNSON, RICHARD	STALKING THE USED CAR	SEP	1988	16
JONES, LARRY	PLANTS ARE ALWAYS GREENER ON THE COCO SID	APR	1986	124
	LIL' OLE INTEREST MONITOR	SEP	1984	51
KENNY, KEIRAN	BOOKLET REVISITED IT FIGURES NEWS FLASH! NEWS FLASH! CORRECTION WHO YA GONNA WRITE? A COCO POP-UP CALENDAR MA BELL GETS PERSONALIZED	MAY	1990	40
KENNY, KEIRAN	IT FIGURES	MAR	1987	78
KENNY, KEIRAN	NEWS FLASH! NEWS FLASH!	DEC	1988	92
KENNY, KEIRAN	CORRECTION	FEB	1989	76
KENNY, KEIRAN	WHO YA GONNA WRITE?	APR	1989	80
KOLESAR, FRED	A COCO POP-UP CALENDAR	APR	1988	74
LAKE, ROBERT	MA BELL GETS PERSONALIZED	MAY	1987	74
	I'M LATE! I'M LATE!	FEB	1989	106
LAMONICA, M. & J.	STRETCH IT TO THE LIMIT	APR	1989	103
LARGE, DONALD	GROCERY	APR	1987	68
	RIGHT BACK WHERE WE STARTED FROM PART 1	SEP	1987	102
LEBLANC, BRIAN	RIGHT BACK WHERE WE STARTED FROM PART 2	OCT	1987	144
LEBLANC, DAVE	PERSONAL SECRETARY	DEC	1989	56
LESTER, LANE	PERSONAL SECRETARY RENDER UNTO IRS FIGURE FOREIGN CURRENCY EXCHANGE RATES	FEB	1983	18
LEWIN, GORDON	FIGURE FOREIGN CURRENCY EXCHANGE RATES	MAR	1985	161
	BAROMETER ON THE STOCK MARKET		1985	170
MACIAS, DAVID	DEPRECIATION CALCULATIONS	FEB	1991	46
MACIAS, DAVID	MAPPING YOUR FINANCES	NOV	1989	20
MARCH, KEITH	RECIPE PRINTER	APR	1987	72
MAXWELL, WILMER	LOOKING FOR A HEARTBEAT	JUL	1988	84
MAYFIELD, RANDY	THAT'S ENTERTAINMENT	DEC	1987	92
MAYFIELD, RANDY	VCR TAPES UPDATE	FEB	1988	77
MCCORKLE, R.J.		MAY	1989	46
	COAX	NOV	1985	180
MILLER, RALPH	A MATTER OF PRINCIPAL	MAR	1987	82
MINZE, BILL	A MATTER OF PRINCIPAL RECKONING WITH THE COCO	APR	1990	20
MIR, JORGE	TAKE STOCK OF YOUR PORTFOLIO	OCT	1984	45
MOOALLEM, SAUL		MAR	1988	
	COLOR BILLBARS HELP CHART SPENDING	APR	1982	
MUSUMECI, JOHN	CHECKS AND BALANCES	APR	1987	75
	LIL' OLE INTEREST, REVISITED	APR	1989	
	CHORES FOR DOLLARS	MAY	1989	77
	THE PRIVATE ACCOUNTING WIZARD	MAR	1987	26
	THE HOME FINANCIAL ANALYST	APR	1988	112
PITTMAN, LARRY	BEATING THE COLLEGE CRUNCH	JUN		
PORTILLO, ROLAND	HOME FINANCIAL STATEMENT	MAR		
POSNER, JUDD	SPECTACULATOR STATISTICS	FEB		
RAINBOW	AN EDUCATIONAL PROGRAM FOR EVERYONE	AUG		_
	CHECKBOOK BALANCE	JAN		
<del></del>	<del></del>			_

RAINBOW			1982	
	NEED BIORHYTHM HELP?	NOV		
RAINBOW			1982	
RAU, FRED	HIT THE ROAD	JUL		
RAY, J.D. RAY, J.D.	FIVE YEAR'S WORTH OF INCOME TAX SUMMARIZE INCOME AND EXPENSES	FEB		_
RAY, J.D. RAY, J.D.	UP, UP AND A(MERICAN) WAY	JUL		
RAI, U.D.	PLOTTIN' AND PLANNIN'	MAR APR		
	CAPTIVATING CAPTIONS	NOV		
	WHO'LL WIN ON THE GRIDIRON?	DEC		
	MAKE AN APPOINTMENT	NOV		
		OCT		
	A CALENDAR TO KEEP TRACK CASSETTE ORGANIZATION	FEB		
ROCCI, KATHRYN			1987	
		JAN		
PODDIGUEZ ANA	WHO YOU GONNA CALL?	FEB		
POCEDS POREDT	APPLYING LABELS DECISIONS, DECISIONS LOOP UNTIL DONE TITLE VIDEO TAPES WITH COCO	FEB		
PONALD BRUCE	LOOP INTIL DONE	APR		
ROSEN, BOB	TITLE VIDEO TARES WITH COCO	OCT		
DIRV DAIII.		JAN		
		DEC		
SAUNDERSON, GEORGE		FEB		
SAUNDERSON, GEORGE		APR		
	MORE TIME APPLICATIONS	AUG		
		MAR		
		JAN		
SCHLOTTMANN, ROBER		MAR		
	FILE IT WITH MESSAGE CENTER	NOV		
SEARERG, RICHARD	ALL IN THE FAMILY TREE	FEB		
SEATS, DARRIN	NOTE CARD	MAY		_
	BANK & BUDGET	FEB		
	ANALYSIS OF VARIANCE: A 'NOVA' FOR COCO	MAR		
	HOW MUCH WILL IT COST TO BUY ON TIME?	OCT		_
	HAPPY (UN)BIRTHDAY TO YOU	JAN		_
		JUN		
SOUSER, WILLIAM		APR		
	MOCALC-MINICALC GETS A BIG BROTHER			
SPENCER, BRAD	GOOD THINGS ARE COOKIN' ON COCO	APR	1988	
		MAR	1984	
	A CHRISTMAS EVE FIREPLACE	DEC		
SULLINS, MARK	LIVIN' ON COCO TIME	JAN	1986	173
=	THE 15 MINUTE COCO WORKOUT	MAR	1986	
	INNOVATION ALONG THE BORDER	JAN	1990	106
THOMPSON, ERNIE	KEEPING A CARD COUNT	DEC	1988	90
THONEN, CHARLES		MAY	1984	74
TINKLEPAUGH, DALE	FINANCIAL TIME CONVERSIONS	APR	1988	34
TINKLEPAUGH, DALE	GUIDANCE FOR CALCULATED RISKS	FEB	1991	56
TOTTINGHAM, BILL	HOME INVENTORY MANAGER	APR	1988	42
TREVOR, ALEXANDER	CONTROL YOUR HOME	FEB	1983	160
TREVOR, ALEXANDER	HOME POWER CONTROL PART 4	AUG	1983	83
TREVOR, ALEXANDER	TICK TOCK, COCO CLOCK	APR	1983	20
TREVOR-YAHN	X10 PROTOCOL THEORY	JUN	1983	98
TUCKER, WALTER	YOU CAN INVEST IN THIS ONE	MAR	1985	153
TURNER, DAVID	BILLS, BILLS!	OCT	1988	14
TURNER, ROBERT	COCO TYPER	MAY	1990	58
TUROWSKI, DONALD	KEEP YOUR MEMORIES IN ORDER	DEC	1987	46
TUROWSKI, DONALD	WASTE NOT, WANT NOT WITH A REFUND-A-FILE	APR	1986	95
TYSON, ROBERT	INTRO TO THE SCIENCE OF IMAGE PROCESSING	FEB	1984	196
UPPERMAN, JAMES	OPERATION CHILD PROTECT	APR	1988	20
WEIDE, DENNIS	LET COCO KEEP TRACK OF UTILITY BILLS	MAR	1983	64
WEIDE, DENNIS	THE COMPUTERIZED SHOPPING LIST	APR	1986	216
WEIDE, DENNIS	CORRECTION	JUN	1986	220

WHITE, ERIC	COCO PRESENTS THE WELL-BEHAVED YARD SALE	APR	1987	52
WHITE, RICHARD	A MAILING LABEL PRINTER FOR THE SPREADSHE	NOV	1985	245
WHITE, RICHARD	CREATING THE RAINBOW CHECKBOOK PART 1	SEP	1984	126
WHITE, RICHARD	CREATING THE RAINBOW CHECKBOOK PART 2	OCT	1984	250
WHITE, RICHARD	CREATING THE RAINBOW CHECKBOOK PART 3	NOV	1984	126
WHITE, RICHARD	CREATING THE RAINBOW CHECKBOOK PART 4	DEC	1984	124
WHITE, RICHARD	CREATING THE RAINBOW CHECKBOOK PART 5	JAN	1985	233
WHITE, RICHARD	CORRECTION	APR	1985	226
WHITE, RICHARD	MAKING SPECTACULATOR STRUT ITS STUFF	JUN	1982	31
WHITE, RICHARD	NET RESULTS (BASKETBALL STATISTICS)	FEB	1984	140
WHITE, RICHARD	SPREADSHEET APPLICATION FOR HOME ECONOMIC	JUN	1985	235
WHITE, RICHARD	SPREADSHEETING REAL DATA	AUG	1985	80
WHITTLESEY, JERRY	THE COMPUTER-AIDED COLLEGE EXPENSE FUND	APR	1986	92
WITHAM, BURTON	A RAPID LOGGER FOR HAMS	MAR	1983	180
WITHAM, BURTON	A SUPER DUPER FOR HAMS	JAN	1983	80
WITHAM, BURTON	ARE YOU AUTHORIZED TO USE THIS FREQUENCY	DEC	1983	40
WITHAM, BURTON	COCO KNOWS ALL THE CALLSIGNS	FEB	1983	110
WITHAM, BURTON	KEEP A HAM RADIO LOG	DEC	1982	124
WOOD, JAMES	BASEBALL CARD FILE	MAY	1986	66
WULFSBERG, BRUCE	FROM FRACTURES TO FRACTIONS	FEB	1990	12
	KEEPING YOUR BALANCE	FEB	1989	87
ZANGER, MURRAY	THRIFTY COCO HANDLES WHAT-IF CALCULATIONS	MAR	1987	36

### MUSIC/SOUND

AUTHOR	ARTICLE	мтн	YR	PAGE
ARKO, LYN	LISTEN TO WHAT THEY DONE	.TITN	1988	80
RANASZAK DAVID	A LITTLE TREE-TRIMMING MUSIC		1983	
	LISTENING TO YOUR COCO WITH AL		1986	
BERNICO - BILL	ADVENTURE INTO SOUND EXPERIMENTATION		1986	
BERNICO, BILL			1986	
=	DEMO OF COCO'S SOUNDS		1985	
BERNICO, BILL			1990	
			1986	
BERNICO, BILL	NOUVEAU ROCK 'N' ROLL SGT. COCO'S ONLY STARTERS CLUB BAND UP WITH THE BEAT PRINT THAT TUNE GO TELL IT ON THE COCO NICKELODEON HAVE A JAZZY CHRISTMAS PLAYIN' THE BLUES		1987	
BERNICO, BILL	IIP WITH THE BEAT		1987	
BOOTS - GREG	PRINT THAT TIME		1988	
BRANTGAN, ARRON	GO TELL IT ON THE COCO		1986	_
BIDENHOLZER - WILLI	NICKELODEON		1989	
BURKE. VAL	HAVE A JAZZY CHRISTMAS		1988	
BURKE, VAL	PLAYIN' THE BLUES		1988	
BURKE, VAL	SINGING WITH THE BIRD		1987	
	PICK AND CHOOSE FROM THE MUSIC MENU		1987	
DAY, DARREN			1988	
			1983	
DODS - STUART	PREVENTING DIS-CORD		1988	
ELLIOT, SHEILA	LOCO COCO AND THE 1812		1984	_
GIANCARLO, PILLOT	MUSIC CATALOGER		1990	
GOLIAS, RUTH	A CHRISTMAS POTPOURRI		1987	
GOLIAS, RUTH	SATURDAY AT THE BIJOU		1986	
GUNN, STEPHEN	A MUSICAL SCALE GENERATOR PREVENTING DIS-CORD LOCO COCO AND THE 1812 MUSIC CATALOGER A CHRISTMAS POTPOURRI SATURDAY AT THE BIJOU AN ENCORE PRESENTATION		1985	
HAYDEN, JOE	A LITTLE STRING MUSIC PLEASE		1984	
HUFFMAN, GARY	HAPPY BIRTHDAY BALLOONS		1986	
=	NEW MEXICAN FOLK DANCES		1987	
KASTACK, REBECCA			1988	
•	BEGINNING MUSICIAN'S TIN EAR LAMENT		1986	
	COCO SAYS REPEAT THIS TUNE		1983	
	LET'S WRITE SOME MUSIC			
KONECKY, LARRY			1983	
KONECKY, LARRY	TONE ROW COMPOSING		1984	
LAWRENCE-BOURDEAUX	TONE ROW COMPOSING HURRAY FOR THE RED, WHITE AND BLUE MAKING FOUR-PART HARMONY EASIER	JUL	1987	
LUDLUM, BOB	MAKING FOUR-PART HARMONY EASIER	JUN	1984	
	MUSIC+: NEW COMMANDS, NO BUGS		1986	
MARTENS, GORDON			1984	
MATTHEWS, B. & D.			1986	
MATTHEWS, BECKY			1988	
<del>-</del>	MERRY CHRISTMAS TO ALL		1983	
MCNEICE, BARRY	THE MUSIC MAKER'S ACCOMPANIST		1986	
	LEARN THE IVORY KEYBOARD		1985	
	DO YOU HEAR WHAT I HEAR?		1987	
<del>-</del>	CORRECTION		1988	
	UNCOVERING THE MIDI SECTION	JUN	1987	36
=	NOW OR NEVER		1989	
=	THE COCO COMPOSER	JUN	1987	114
	MICRO-MAESTRO - COCO'S PLAY STATEMENT		1982	10
	PLAY IT AGAIN, COCO		1989	
	PLAYING AROUND WITH YOUR 80C		1982	
	THIS GUITAR TUTOR DOESN'T FRET		1984	162
<del>-</del>	ADVENTURES IN MUSIC		1988	79
	FROM SCALES TO MOZART	JAN	1988	72

PLASTER, GIP	PLAY YOUR PIANO	DEC	1988	93
PLASTER, GIP	SOUND OFF	JUN	1987	81
PLATT, JOSEPH	THE SWEET STRAINS OF COCO	JUN	1987	94
POLLOCK, T. & G.	BACH TO BASIC	NOV	1983	152
POLLOCK, T. & G.	COCO CLASSICS	JUN	1984	131
QUELLHORST, GEORGE	REMAKE A POPULAR MUSIC PROGRAM	APR	1991	10
RAINBOW	MUSIC MADE EASY	JUL	1981	2
ROGERS, ROBERT	HOLLY, JOLLY HOLIDAYS	DEC	1984	18
ROGERS, ROBERT	THE COMPUTER CHORD FINDER	JUN	1984	179
RUTTER, MARGE	COCO DARES YOU TO NAME THAT TUNE	JUN	1986	66
SANTEE, CHARLES	STRUMMIN' ON THE OL' COCO	AUG	1983	130
SCHUFF, DAVID	THE COLOR CONDUCTOR	JUN	1987	78
SCOFFIN, BRAD	TWO FOR THE COMPOSER	JUN	1984	57
SHELTON, GARRY	COLOR COMPOSER	JUN	1988	42
SHOOBS, BERNICE	TOO MANY (HIC) BOTTLES OF BEER	JUN	1988	79
SPILLER, JEREMY	ANALOG TODIGITAL AND BACK AGAIN	JUN	1985	36
SPILLER, JEREMY	SYNTHESIZER SOUND-OFF	JUN	1988	102
SPILLER, M. & J.	COCO SYNTHESIZER	JUN	1986	122
TANDBERG, DAN	COCO INSTANT MUSIC	JUN	1986	62
TAUILLI, T.C.	COCO SYNTHESIZER COCO INSTANT MUSIC 4TH OF JULY MUSICFEST BLAST FROM THE PAST STEPPIN' OUT WITH MY COCO COCO BELLS	JUL	1985	19
THOMPSON, ERNIE	BLAST FROM THE PAST	JUN	1988	96
THOMPSON, MATTHEW	STEPPIN' OUT WITH MY COCO	JUN	1987	58
URBAS, JOSEPH	COCO BELLS	DEC	1985	36
URBAS, JOSEPH	CORRECTION	APR	1986	103
URBAS, JOSEPH	ORIGINAL RAGS FOR THE COCO KEYBOARD	SEP	1983	218
VASCONI, EUGENE	CHOPIN'S MINUTE WALTZ	JUN	1985	130
WILLOUGHBY, LAUREN	CALIBRATE YOUR EARS	JUN	1988	78
WOODS, RICK	DECK THE HALLS	DEC	1986	42

### NOVICES NICHE

AUTHOR	ARTICLE	MTH	YR	PAGE
AFTAMONOW, ELLEN	TAY AND TTD	.TIIT.	1989	105
	DOGGONE		1989	
<u>-</u>	DRAW FIGURES USING ASTERISKS		1989	
BABICH, TIO			1989	
•	COMPUTE YOUR AGE IN DAYS		1990	
	YOUR WEIGHT ON OTHER PLANETS	FEB	1991	
BARTELS, ANDREW	BORDER COLOR CHANGER		1991	
BENNY, PATRICK	ON THE RUN	JUL	1989	
•	BOX MENU		1990	
BERNICO, BILL	DICE SIMULATOR	OCT	1990	
BERNICO, BILL	HI-RES INPUT EDITOR	OCT	1990	
BERNICO, BILL	SONGWRITER'S HELPER	SEP	1990	
BERNICO, BILL		AUG	1989	
	THIS IS YOUR BIG DEBUT	FEB	1990	-
BOUGHTON, RALPH		SEP	1989	
<del>-</del>	LO-RES PADDLE BALL GAME	SEP	1990	
CHEVES, WARREN			1989	
	OS9 MODULE UTILITY		1991	
CHRISTENSEN, GLENN			1990	
	BALANCE YOUR CHECKBOOK		1991	
•	DIRECTORY ALPHABETIZER		1991	
DAVIS, SHAWN H.	THE CHANGE COUNTER	SEP	1989	
DDIFECEN DAVID	WANT A PERSONALIZED PHONE NUMBER?		1989	
DRISCOLL, CHRIS		FEB	1990	
•	PRACTICE ADDITION AND MULTIPLICATION		1990	-
EHRENBERG, R.M.			1990	
ELLIOT, PHIL JR.			1991	
ENGER, DAVID C.			1991	
ESTRADO, RICHARD	GRAPHICS DEMO		1991	
FINGLISS, DOUGLAS	CRAPS		1991	
FLINN, WILLIAM	SOLVING QUADRIC EQUATIONS		1990	
FORSTE, JIM	MOONSCAPE		1990	
	STORY WRITER	JUL	1989	
	AUTOMATIC ERROR ENTRY	FEB	1991	
	DESCRIPTIVE ERROR MESSAGES	OCT	1990	
FRIESEN, GEOFF			1990	
FRIESEN, GEOFF	MUSIC TEST		1991	31
FRIESEN, GEOFF	PROGRAMMING UTILITY	OCT	1990	87
FRIESEN, GEOFF	SUPERPOKE	JUN	1990	48
GARCIA, CARLOS	SEARCHING FOR A RAINBOW	JAN	1990	36
HALL, GREG	LET COCO CALCULATE HBUFF	FEB	1990	36
HAVEMAN, EVAN	COMPUTER AIDED DESIGN	OCT	1989	59
HENNON, TIM	MUSIC GRID	APR	1991	60
HOBSON, JON	MARYNOTE	OCT	1989	58
HOOPER, MARVYN	COMPOUND INTEREST	MAY	1991	55
JACOB, DAVID	LET'S MAKE A LIST	FEB	1990	38
JOHNSON, NEIL	SLOT MACHINE	JUN	1991	20
JONES, LEROY	INNKEEPER	MAR	1990	62
KASTACK, REBECCA	WHAT DAY?	JAN	1990	30
KENNY, KEIRAN	COLORFUL GRAPHICS DOODLER	AUG	1990	59
KENNY, KEIRAN	GAME FOR SMALL CHILDRE	DEC	1990	57
KENNY, KEIRAN	GRAPHICS EXPERIMENTS	MAR	1991	78
KENNY, KEIRAN	HI-RES ART PIE	JUN	1991	18
KENNY, KEIRAN	INTRO TO TRIGONOMETRY	DEC	1990	73

KENNY, KEIRAN			1991	
KENNY, KEIRAN	PEEKING AT LOCATION 135		1990	
KENNY, KEIRAN	WHAT IS ON THE AGENDA FOR TODAY?		1990	
	THE TIME SHEET CALCULATE MONTHLY PAYMENTS		1989	
KNAPIK, STEVE	AS THE WORLD TURNS		1991 1989	
KUNTZ, STEVEN			1990	
	RUDIMENTARY STOPWATCH		1991	
LING, SHARON		DEC		
LIMING, DOUGLAS			1990	
	LOWERCASE AND COLORS TOO		1990	
MCCARTHY, JAMES			1991	
MCNEILL, JAMES			1989	
	DISK COPY UTILITY		1990	
MILAM, LOY		MAR		
MILLS ROBERT	LETTERS & NUMBERS		1990	
MOORE, MIKE	LETTERS & NUMBERS SEND DIR TO PRINTER		1991	
MOSLEY, JOHN	3-D GRAPHER		1989	
	GRAPHICS DEMO - SPIRALS		1990	
MOSLEY, JOHN			1989	
	EASY WAY TO WRITE NOTES		1991	
MUSUMECI, JOHN			1991	
	BUT IT'S NOT WINTER YET		1989	
	FUN WITH FRACTALS		1989	
	TITE SCREEN SPLASHDOWN		1990	
PENDALL, JOSEPH	AND ALONG CAME A SPIDER	APR	1990	48
	QUICKGRASS	JAN	1990	38
PENDALL, JOSEPH	SPRAY CAN		1989	
PHANSAVATH, HINH	RUNNING BASIC PROGRAMS CAN BE A BREEZE	FEB	1990	36
POLLOC, GRAHAME	UP-DOWN LIST	JUL	1989	106
PORTER, JOHN	MORTGAGE	MAR	1990	63
PUCELLA, RIC	HI-RES GRAPHICS	NOV	1989	41
REIGHARD, KENNETH	AIR RAID GAME	SEP	1990	31
RODRIGUEZ, ALEJAND	NO SMOKING!	NOV	1989	40
ROGERS, ROBERT	LASER CYCLES - GAME	NOV	1990	60
ROSS, JAMES	OS-9 FILE VIEWER	MAY	1991	9
-	BALANCING THE BUDGET	FEB	1990	40
•	STEADY AIM FIRE		1990	
	THE MEMO MAKER	JAN	1990	
SEVERS, ROGER	KEEPING A TAB ON YOUR TAP	APR		
SPEIGHT, KEVIN	MIND MASTER	SEP	1989	
	THE BASE CONVERTER	JAN		
•	CLASSIC COMPUTER GAME	DEC		
TAULI, T.C.		MAY		
	CALCULATE YOUR BODY MASS	FEB	1991	90
THOMPSON, ERNIE		NOV		36
THOMPSON, ERNIE	NOW, WHERE WAS I?	AUG		108
TUROWSKI, DONALD A		JUN		18
WEAVER, DAN	AUTOMILE	NOV		40
	CUTTING CORNERS	APR		50
=	BOWLING CORNER CMACH	JUL		103
WONG, THOMAS	GOPHER SMASH	JAN	1990	37

### ONE LINER-TWO LINER

AUTHOR	ARTICLE	мтн	YR	PAGE
BARNETT, CALVIN	CRAPHICS DEMO	.TIIN	1987	144
	AVERAGE OUT GRADES		1986	
BECK, JOHN	GRAPHICS DEMO		1987	
BECK - JOHN	SLOWER DIRECTORY LISTING		1988	
BECWAR, ARRON	GRAPHICS DEMO		1988	
	DISK VERIFY PROGRAM		1988	
=	IMDECIATE OUTPUT TO PRINTER		1987	
	DRAW A GRID ON THE SCREEN		1987	
BISBEE, DANIEL			1986	
BLY, MERWLYN			1988	
BOLLE, FRANCOIS	LOOKS AND SOUNDS LIKE RAIN		1986	
BREZNAI, MARK	TYPING PRACTICE	SEP	1986	
BRYSON, B.J.	GRAPHICS DEMO		1988	
BUCK, TIM	PICK ME IS RATHER INTERESTING		1986	
BUTTERWORTH, JAMES			1986	
CAMPBELL, JERRY			1988	
CAREY, J.A.	LIST YOUR BBS NUMBERS		1987	
CARROLL GERALD	LIST YOUR BBS NUMBERS EXCHANGE RATE CONVERSION		1987	
	UTILITY TO KILL FLIES		1988	_
COENEN, MATTHEW			1987	
	REVERSE PMODE SCREEN		1988	
COONEY, MIKE			1986	
COOPER, RICK	GRAPHICS DEMO		1988	-
CROSS, DAVID	DISPLA CHARACTERS IN ROM/RAM		1986	
CUNIN, K.T.	GRAPHICS DEMO DISPLA CHARACTERS IN ROM/RAM GRAPHICS DEMO		1987	
DAVID, EDDIE	PRINT OUT A BILL OF SALE		1987	
	MAKE ADDRESS LABELS		1988	
	GAME WITH JOYSTICKS		1986	
DICKAU, ROBERT			1988	
	PRINT MEMORY ADDRESSES		1989	
	SCRAMBLED WORD GAME		1987	
=	DRAW LINE BETWEEN TWO POINTS		1986	
	CALCULATE EQUIVALENT RESISTANCE		1986	
FINGLISS, DOUG			1988	
	GRAPHICS DEMO		1988	
FLORENCE, BERNARD	GRAPHICS DEMO	JUL	1987	132
	CONTROL CASSETTE RECORDER		1989	
	CALCULATE GRADE PERCENTAGES		1987	
FYE, DAVID	GAME		1987	
GEHRKE, EDWARD	GRAPHICS DEMO		1988	
	WEIGHT ON DIFFERENT PLANETS		1987	
	RUNNING TOTAL AND AVERAGE OF TIMES		1989	
GOICURIA, EDDIE			1987	
	GRAPHICS DEMO	JUL	1987	
GOODMAN, RICHARD			1986	143
GREENE, BOBBY	PRINT OUT PRINT WORK SHEETS	MAY	1987	198
	GRAPHICS DEMO	APR	1988	123
=	GRAPHICS DEMO	OCT	1986	153
	FLIP A PICTURE UPSIDE DOWN	OCT	1986	153
	GRAPHICS AND SOUND DEMO	DEC	1986	139
HAUSSMANN, GARY			1988	
	AMORTIZATION SCHEDULE		1988	
	MAKE UP A SCRAMBLED WORD		1987	
HIATT, STAN	SIMULATE ETCH-A-SKETCH	JUL	1986	182

HUGHES, BLAKE	DRAW FACE OF CLOCK	JUL	1986	157
HURT, PETER		SEP		
		MAY		79
	CALCULATE ANTENNA LENGTHS FOR A HAM	DEC	1986	144
		MAY	1988	14
	MINIATURE MONITOR PROGRAM	FEB	1987	138
KIEDAISCH, CHARLES	CONVERT FRACTIONS TO DECIMALS	SEP	1988	120
KIM, JOON	PRINT OUT DISK DIRECTORY	MAY	1987	28
KIMMEL, TONY	REVERSE 4 DIGIT NUMBER	JUL	1986	155
KNOPPOW, JIM	PREVENT LOCK-UP IF PRINTER NOT TURNED ON	MAY	1987	144
KROMEKE, MICHAEL	PREVENT LOCK-UP IF PRINTER NOT TURNED ON PRINT OUT A CALENDAR SET BAUD RATE FOR PRINTER	JUL	1986	232
KROMEKE, MICHAEL	SET BAUD RATE FOR PRINTER	MAY	1987	198
LAMMERS, CHARLES	YIN AND YANG SYMBOL	JUL		
LIM, LARRY	YIN AND YANG SYMBOL DISPLAY POKE AND PEEK VALUES FOR COCO3	OCT		
LOWE, BRAD	DISK CHECKER	FEB		
		FEB		
MARINO ERANK	GOLF GAME COUNT VOWELS IN SENTENCE	SEP		
MARTIN, JIM		JUN		
MAULICK, CHARLES		OCT		
MCCLINTOCK, RONALD		FEB		
MCCLUSKY, LONNIE	USE JOYSTIC TO MOVE RACING CAR	AUG		
MCCULLOUGH, ERIK	BASIC ALARM LABEL PRINT PROGRAM	JUL		
		MAY		
MCGINNIS, MATTHEW	SOUND DEMO	JUN		
MISHRA, VICK	HIT THE WHITE BALLOONS WITH YOUR ARROWS MAKE A PRINT @ WORKSHEET	OCT		
MONY, SAM	MAKE A PRINT @ WORKSHEET PRINTER UTILITY GRAPHICS DEMO PCLEAR ROUTINE CORRECTION	APR		
MONY, SAM	PRINTER UTILITY	MAR		
MURPHY, CRAIG	GRAPHICS DEMO	JUN		
NEMITZ, VERNON	PCLEAR ROUTINE	DEC		
NEMITZ, VERNON	CORRECTION	JAN	1988	138
NEWELL, AARON	ELECTRONIC DICE	AUG	1986	135
NOYLE, JEFF	ELECTRONIC DICE MANEUVER RACER THROUGH COURSE	AUG	1986	150
OLMSTEAD, PAUL	GRAPHICS DEMO	MAR	1989	148
PRITCHETT, STEVEN	LIGHT SHOW MOVING SINE WAVE SCREEN PRINTER GRAPHICS DEMO GRAPHICS DEMO CREATE A CASH REGISTER	JAN	1987	141
PULLEN, WALTER	MOVING SINE WAVE	SEP	1986	135
QUELLHORST, GEORGE	SCREEN PRINTER	MAR	1987	144
RADACHOWSKY, SAGE	GRAPHICS DEMO	OCT	1987	22
ROGERS, ROBERT	GRAPHICS DEMO	OCT	1986	147
ROSEN, RUSS	CREATE A CASH REGISTER	DEC	1986	126
ROWAN, DON	CONVERTS PRINT TO SET OR VICE VERSA	JUL	1988	131
ROWGO, RUSS	GAME	SEP	1987	77
RUANGCHOTVIT, C.	PRODUCE INTEGER FACTORS	JUL	1986	64
RUCINSKI, MARK		OCT	1987	102
SATIR, GREGORY	CONVERT INTEGER TO BINARY	FEB	1987	66
	GENERATE PRINTED CHART FOR ADVENTURE GAME	MAR	1988	182
SELBEE, KEITH	CREATE CASSETTE INDEX CARDS ON PRINTER	APR	1987	176
	PRINT CARDS FOR CASSETTE BOXES	JUN	1988	188
SIPOS, ANTON	DISK UTILITY	AUG	1986	
	SHOOT-'EM-UP GAME	SEP		
=	MULTIPLICATION TABLES	JUL	1988	
STEWART, JAMES		NOV		
TOEPKE, MICHAEL		JAN		
TOEPKE, MICHAEL		MAR	1989	
		SEP	1988	
TOEPKE, MICHAEL TOEPKE, MICHAEL		DEC		120
•	MASTERMIND TYPE GAME		1988	
<del>-</del>	PONG TYPE GAME	AUG		
<del>-</del>	SKI GAME	SEP	1988	
TOON, J. FREDERICK		SEP		
	GRAPHICS DEMO	JUN		
=		APR		
	2 PROGRAMS TO LIST ASCII FROM DISK	FEB		
WEINBERG, ROB	INTERESTING GRAPHICS	AUG	1986	153

D	
Page	4

WELLS, JOHN	HEXADECIMAL DUMP	FEB	1987	143
WHITE, DANNY	MINI WORD PROCESSOR	JUL	1988	12
WIEDMAN, BARRY	VACATION PLANNING HELPER	APR	1987	170
WIGOWWSKY, PAUL	PLAY TUNE FROM POPULAR MOVIE	JUL	1986	168
WILKES, ERNEST	DISK UTILITY	FEB	1987	138

### OPERATING SYSTEMS-OS9

AUTHOR	ARTICLE	мтн	YR	PAGE
ADAMS, RICK	EXPLORING LEVEL II'S NEW FEATURES	.TITNI	1987	154
AUGGRIDG CDAY	THE IMPACT OF MULTI-VUE		1988	152
	USING OS9 PROGRAMS ON RAINBOW ON DISK		1989	138
RARDEN WILLIAM	LEARNING THE LINGO		1987	168
BARDEN, WILLIAM			1987	186
BEHRMANN, DARREL			1989	126
	BASICO9, NO LINE NUMBERS		1990	
	OS-9 SOUND AN ALARM		1990	
	TOOLS FOR PROGRAMMING BASICO9		1989	138
	TEXT FILE COMPRESSION		1989	112
CHEEK, JOSEPH			1991	
CHEEK JOSEPH	REACH OUT AND TOUCH OS-9		1989	
CLEMENTS WILLIAM	OS-9 MEETS THE WOLFBUG MONITOR		1984	322
DEN BESTE, STEVE	THE OS-9 DEVICE DRIVER		1984	259
	ONE LABEL OR TWO?		1990	110
	COMPRESSION FILTERS IN SAVING AND RESTORI			168
	FINDING YOUR WAY WITH OS-9 LEVEL II		1987	194
-	POLISHING OFF THE SCREEN SAVE/DUMP PACKAG		1988	176
	SOMETIMES BASICO9 ISN'T FAST ENOUGH		1987	170
	THE ADVANTAGE OF PROCESSES		1987	191
	THE PROBLEM WITH BASICO9		1987	163
	UNDERSTANDING HOW OS-9 MANAGES MEMORY		1987	192
			1987	164
DODGE CALVIN	USING COMPRESSED FILES READABLE EQUIVALENTS TO C		1986	191
DOLLBERG DONALD	CREATING OS-9 SYSTEM DISKS		1986	224
EWART, NANCY			1987	168
	STALK THE FIRE-BREATHING DRAGON		1988	156
	TAMING THE BEAST: GET COMFORTABLE WITH OS			
GOLDBERG, STEPHEN				86
COLDREDG STEPHEN	DRIVE WITH SPEED		1990	
GOLDBERG, STEPHEN	LOGON PROTECTION FOR OS-9 OS-9 SPOOLER MONITOR DIRECTORY GROWTH MULTI-PURPOSE TEXT UTILITY			32
GOLDBERG, STEPHEN	OS-9 SPOOLER		1986	
GOLDBERT, STEPHEN	MONITOR DIRECTORY GROWTH		1991	
GOLDBERG, STEPHEN	MULTI-PURPOSE TEXT UTILITY		1991	
GOLDBERG, STEPHEN	SORT		1991	
HARRIS, TIMOTHY	MAILO9		1985	249
HARRIS, TIMOTHY	MAILO9		1985	266
	ONE DISK IS BETTER THAN TWO		1984	
	BUILDING LOGICAL PATHWAYS	AUG	1984	246
HOGG, FRANK	ON OS-9 MATTERS, FRANK FLEXES HIS BIAS	MAY	1984	314
	OS-9? FLEX? OR BOTH?		1984	
	SAGE AND COCO DON'T MIX - YET	MAR	1984	293
JACKSON, CHRISTOPH	MAIL-MERGE UTILITY		1990	
LADOUCEUR, PAUL	A PAUSE FOR THOUGHT	MAY	1987	194
	ADDING MORE FEATURES TO THE LIST COMMAND	DEC	1985	258
LANTZ, BRIAN	RESTORING YOUR OS-9 FILE	MAR	1985	265
LANTZ, BRIAN	THE UTILITY ROOM	MAR	1986	216
LANTZ, BRIAN	THE UTILITY ROOM	NOV	1985	241
LAW, GREG	AUTO FORMATTER	MAR	1991	72
	BASIC09 INTERFACING		1990	72
	CONVERSIONS AND DIVERSIONS		1990	113
<del>-</del>	DISSECTING THE COMMAND LINE		1990	122
	GIVE IT TOP PRIORITY		1990	96
LAW, GREG	GRAPHICS ARGUMENTS	JUN	1991	28

LAW, GREG	GRAPHICS FUNCTIONS	MAY	1991	
LAW, GREG	LINKING OS-9 FILES	JUL	1990	
LAW, GREG	LOST AND FOUND	JAN	1990	
LAW, GREG	MAKING DIRECTORIES	APR	1991	
LAW, GREG	OPEN SESAME	DEC		
	OPENING OS9 FILES	OCT	1990	
LAW, GREG	READING AND WRITING FILES	SEP	1990	
	READING AND WRITING IN C		1991	
	SCALING THE DIRECTORY TREE	JUN	1990	44
LAW, GREG	THE OS-9 FILE STRUCTURE	MAY	1990	30
MCGARRY, DONALD	HIERARCHAL DIRECTORY	MAY	1985	244
MIDDAUGH, LEW	RANDOM NUMBERS FOR THE OS-9 C COMPILER GUIDE FOR AL PROGRAMMER WHAT YOU SHOULD KNOW ABOUT C COMPILER FLIPPERO9	JAN	1985	272
MIKEL, JEFF	GUIDE FOR AL PROGRAMMER	JUN	1991	40
NUMA, DAVID	WHAT YOU SHOULD KNOW ABOUT C COMPILER	OCT	1989	82
PAGE, STEPHEN	FLIPPERO9	DEC	1989	
PARKER, JEFFREY	OS-9 SURVIVAL TRAINING	AUG	1989	66
PITTMAN, LARRY		MAY	1990	
		DEC		198
	A FOURTH-GENERATION DATABASE LANGUAGE	FEB	1988	182
		FEB		269
	A MIX OF KITS, TRICKS AND COMMENTS			287
		APR		52
PUCKETT, DALE		JUL	1985	252
PUCKETT, DALE		DEC	1985	272
PUCKETT, DALE	AUTOMATING THE ONLINE EXPERIENCE BASIC INSTRUCTIONS COCO 3 DOES WINDOWS	NOV	1990	27
PUCKETT, DALE	BASIC INSTRUCTIONS	JAN	1991	
PUCKETT, DALE	COCO 3 DOES WINDOWS	AUG	1990	38
PUCKETT, DALE		FEB	1986	168
	A VIEW OF MULTI-VUE	MAR	1988	180
PUCKETT, DALE	ADDING FIREWORKS TO FIND	JUL	1989	138
PUCKETT, DALE	ADVANCES IN OS-9 TECHNOLOGY	FEB	1989	152
PUCKETT, DALE	AN OS-9 CONVERT SPEAKS OUT	JUL	1987	167
PUCKETT, DALE	ANOTHER CRY FOR STANDARDS	OCT	1988	147
PUCKETT, DALE	ANOTHER GREAT BEGINNING	JUN	1988	180
PUCKETT, DALE	ARE YOUR PROGRAMS HEADED FOR BREAKDOWN?	JAN	1990	117
PUCKETT, DALE	BACK AT THE DRAWING BOARD	JAN	1988	160
PUCKETT, DALE	BACK AT THE DRAWING BOARD BASICO9-A GREAT LANGUAGE BETTER TOOLS ARE HERE!	JAN	1989	136
PUCKETT, DALE	BETTER TOOLS ARE HERE!	DEC	1988	
	BOOTSTRAPPING MANY SYSTEMS	MAR	1987	196
PUCKETT, DALE		JUN		150
PUCKETT, DALE	CHOICES: THE REASON FOR MODULARITY	JUL	1986	224
PUCKETT, DALE	CLEARING THE BOARD	NOV	1989	112
PUCKETT, DALE	CLIFFHANGERS IN THE MICRO SOAPS	AUG	1985	236
PUCKETT, DALE		DEC	1984	271
PUCKETT, DALE	CONFESSIONS OF SPREADSHEET USER	NOV	1985	218
PUCKETT, DALE	CONTROLLER ATTACKS HALT LINE PROBLEM	AUG	1987	157
	DEBUNKING THE MYTH OF OS-9 USER HOSTILITY	JAN	1987	193
PUCKETT, DALE	DESIGNING YOUR OWN PROCEDURE FILES	JUL	1984	291
<u>-</u>		AUG	1986	197
		MAY		235
PUCKETT, DALE	FEATURING A TRIG LIBRARY IN C	APR	1986	238
PUCKETT, DALE		JAN		236
	FRANK HOGG SEES THE LIGHT	FEB	1987	190
PUCKETT, DALE	FROM HI-RES TO HIGH STYLE	DEC	1983	298
PUCKETT, DALE	FUN WITH COCO EASTER BUNNY AND MORE	APR	1985	254
PUCKETT, DALE	GENIUS, ASSEMBLEY AND BILINGUAL BENCHMARK	AUG	1984	257
PUCKETT, DALE	GETTING REVVED UP FOR FALL FUN	OCT	1986	196
PUCKETT, DALE	GOOD APPLICATION SOFTWARE IS ESSENTIAL	MAY	1985	250
PUCKETT, DALE	GOOD TIMES WITH OS-9 ON THE HARD DISK	SEP	1986	
PUCKETT, DALE	IN QUEST OF NEW TECHNOLOGY	APR	TAGA	148
PUCKETT, DALE	INSTALLATION, AUTOMATION AND MORE	NOV	1988	176
PUCKETT, DALE	INTERVIEW WITH KEN KAPLAN	OCT	1984	261

PUCKETT, DALE	LOAN PROCEDURES FOR MVFINANCE	JUL	1990	48
PUCKETT, DALE	LOOKING AT BLUE SKY FOR OS-9 LEVEL II	NOV	1986	199
PUCKETT, DALE	MAXLC IN MULTI-VUE	SEP	1989	114
PUCKETT, DALE	MORE ANSWERS, NEW PRODUCTS AND A BASICO9	MAR	1984	298
PUCKETT, DALE	MORE ON MAXLC AND OS-9 HITS THE MAC	OCT	1989	110
PUCKETT, DALE	MOVING TO OS-9	MAR	1989	136
PUCKETT, DALE	NEW TOOLS, NEW TOYS	APR	1988	160
PUCKETT, DALE	NEWS, EXPLANATIONS AND CHECKBOOK BALANCIN	APR	1984	306
PUCKETT, DALE	NEWS, HINTS AND ANSWERS	JUN	1985	252
PUCKETT, DALE	NOSTALGIA, NOTES AND TOOLS OF THE TRADE	JAN	1984	132
PUCKETT, DALE	OS-9 GETS GOOD RECEPTION AT NCC	OCT	1985	242
PUCKETT, DALE	OS-9 MAKES BIG SHOWING AT CHICAGO	AUG	1989	122
PUCKETT, DALE	OS-9 TAKES BEAN TOWN	DEC	1989	110
PUCKETT, DALE	OS-9 USERS GROUP PRESIDENT'S COLUMN	MAR	1984	308
PUCKETT, DALE	OS-9 USERS GROUP PRESIDENT'S COLUMN	APR	1984	317
PUCKETT, DALE		MAY	1984	313
PUCKETT, DALE	OS9 GRAPHICS PRIMITIVES	OCT	1990	58
PUCKETT, DALE	OVERVIEW OF PROGRAMS, CORRECTIONS AND MOR	MAR	1985	256
PUCKETT, DALE	PATCHES, PROGRAMS AND POLITICS	MAY	1988	178
PUCKETT, DALE	POINT, COUNTERPOINT, TERMINAL PROBLEMS	FEB	1984	324
PUCKETT, DALE	PRIMITIVE DRAWING TOOLS	SEP	1987	160
PUCKETT, DALE	PUTTING DATA STRUCTURES ON DRAWING BOARD	DEC	1987	180
PUCKETT, DALE	RAMBO TAKES US ALL BACK TO THE BEGINNING		1987	197
PUCKETT, DALE	RELECTIONS, HOPES AND FIVE HELPFUL LISTIN	SEP	1984	246
PUCKETT, DALE	RUMORS FROM RAINBOWFEST	MAR	1990	65
PUCKETT, DALE	SAD NEWS, GOOD NEWS, TERMINAL PROGRAM	MAY	1984	297
PUCKETT, DALE	SAMPLE DEVICE DRIVERS AND DESCRIPTORS	FEB	1986	236
PUCKETT, DALE	SENDING THE RIGHT SIGNALS	JUL	1988	174
PUCKETT, DALE	SETTING THE STAGE FOR OS-9 LEVEL II	MAY	1987	196
PUCKETT, DALE	SHOOTING FOR A STANDARD	JUN	1987	162
PUCKETT, DALE	TEACHER'S GRADEBOOK	SEP		39
PUCKETT, DALE	THE C COMPILER PACKAGE	DEC	1990	21
PUCKETT, DALE	THE DISK BASIC/OS-9 CONNECTION	JUN	1986	208
PUCKETT, DALE	THE EVOLUTION CONTINUES	NOV	1987	180
PUCKETT, DALE	THE POWER OF OS-9	OCT	1983	178
PUCKETT, DALE	THE SHELL GAME	NOV	1983	58
PUCKETT, DALE	TRANSPORTATION TO HACKER HEAVEN	NOV		
PUCKETT, DALE	UNLOCK THE GRAPHICS POTENTIAL OF OS9 LEV		1987	176
PUCKETT, DALE	VOLUNTEERS BUILD A BETTER MOUSETRAP	AUG	1988	182
	CARTE BLANCHE	MAR	1990	
RIES, RICHARD		JUN	1989	
	WHAT DAY IS IT?	FEB		
ROBINSON, EVAN		MAY	1989	
<del>-</del>	RLE GET A 'BOOT' OUT OF OS-9	FEB		
	A NEW OUTLOOK FOR OS-9	JUL		
SAKSA, JONATHAN	DO YOU HAVE THE TIME?	JAN		
	Y FILECOPY-A HANDY OS-9 UTILITY	FEB		
SCHECHTER, GERR		MAY		
SCHECHTER, GERR	Y TIDY UP LISTINGS WITH LISTFILE	FEB		
	TIME FOR A CHANGE	APR		
	A CLS COMMAND FOR OS-9	JUL		
	IS TYPE DOES WINDOWS	JUN		
	MULTI-VUE AND PRE-EXISTING APPLICATIONS			
		JAN		
	PIPES AND FILTERS FOR THE MASSES			204
		NOV		188
WHITE, RICHARD	BOOT MODIFICATIONS	DEC		186
WHITE, RICHARD		NOV		172
WHITE, RICHARD	DATA PROCESSING WITH BASICO9	APR		
WHITE, RICHARD	DEALING WITH VARIABLES IN BASICO9	DEC		
		MAR		
WHITE, RICHARD	FOCUSING ON MODULES	JUL	1987	163

OPERATING SYSTEMS-OS9 - RAINBOW	ELEVEN	YEAR	INDEX	
---------------------------------	--------	------	-------	--

1	Ρασ	ρ.	Δ

WHITE, RICHARD	GETTING STARTED WITH BASICO9	FEB	1986	231
WHITE, RICHARD	GETTING STARTED WITH BASICO9	JUN	1987	158
WHITE, RICHARD	INTRODUCING THE OS-9 TEAM	OCT	1988	143
WHITE, RICHARD	MORE ON BASICO9 PROGRAMMING	MAY	1989	146
WHITE, RICHARD	OS-9 MEMORY EXPLORATIONS	JAN	1989	152
WHITE, RICHARD	THE MAGIC AND MYSTERIES OF OS-9	SEP	1988	142
WHITE, RICHARD	WHAT'S THE DIFFERENCE?	MAR	1989	154
YATES, JERRY	USTIME & STRIPBIN	AUG	1989	22
ZUMWALT, GREG	LIVING ON RAINBOW TIME	NOV	1986	170

# RAINBOW ELEVEN YEAR INDEX (C) 1990

#### PASCAL

AUTHOR	ARTICLE	MTH	YR	PAGE
EASTHAM, DANIEL	BLOCK STRUCTURE AND RECURSION	JAN	1985	261
EASTHAM, DANIEL	BUILDING A PROGRAM A PIECE AT A TIME	MAR	1985	247
EASTHAM, DANIEL	COMBINING PASCAL WITH ASSEMBLY	APR	1985	264
EASTHAM, DANIEL	CONSTRUCTING COMPLEX DATA	OCT	1984	265
EASTHAM, DANIEL	EXAMINING THE PART 1	SEP	1984	265
EASTHAM, DANIEL	EXPRESSIONS AND STATEMENTS	AUG	1984	250
EASTHAM, DANIEL	GRAPHIC-ING WITH PASCAL	MAY	1985	235
EASTHAM, DANIEL	POINTERS AND THE HEAP	FEB	1985	278
EASTHAM, DANIEL	PROCEDURES AND FUNCTIONS	NOV	1984	271
EASTHAM, DANIEL	WELCOME TO PASCAL	JUL	1984	284
EASTHAM, DANIEL	WHAT GOES IN MUST COME OUT	DEC	1984	294

# RAINBOW ELEVEN YEAR INDEX (C) 1990

### PRINTER

AUTHOR	ARTICLE	мтн	YR	PAGE
ANDERSON, DOUG	CENTER THAT HEADER	MAY	1988	114
ANTHONY, DAVE	A TEENY TINYDUMP	FEB		
AUGSBURG, CRAY	PRINTER DIVERSIONS AND CONVERSIONS	AUG		
BAILEY, DAVID		JUL		
	VERSATILE LABEL MAKER		1986	
<u>-</u>	ADVENTURE OF THE TOO MANY PRINTERS	SEP		
BARDEN, WILLIAM	TAKING YOUR PRINTER TO THE LIMIT	DEC	1987	172
<del>-</del>	REVIVAL (CLEANING GEMINI-10)	MAY	1984	54
	A FORMATR FOR THE GEMINI	JUN		
BROWN, CHARLES			1988	95
BRUNOTTE, BENJAMIN	PERSONALIZE YOUR PRINTOUT WITH SCRIPT	MAY	1985	68
<del>-</del>	GRAPHICS WORD PROCESSING		1982	
CRAWFORD, GAY	DISK JACKET DESIGNER	NOV	1987	26
CURTIS, H. ALLEN	A DESKTOP PUBLISHER ON A SHOESTRING	OCT		
CURTIS, H. ALLEN	CORRECTION	OCT		
CURTIS, H. ALLEN		JAN	1988	
DISTEFANO, TONY		AUG	1983	192
ELLERS, ED		MAY	1988	110
ERICSON, ROBERT	PRINT GRAPHIC CHARACTERS ON MICROLINE 82A	OCT	1983	296
FAHY, MIKE	BOLTYPE: TUTORIAL ON DOT GRAPHICS	MAY		67
FALK, LAWRENCE		JUN		
FITZSIMMONS, DAVID		MAY		
GAIN, RICHARD	IS YOUR PRINTER-ON-LINE	SEP	1984	106
GENOIS, MARC	COCO3 PRINTER SPOOLER	MAY	1989	86
GLABERSON, ARYEH	HEBREW WRITER	DEC	1986	36
GOEBEL, KATHY		OCT	1982	50
	PRINTER SPOOLING WILL INCREASE THROUGHPUT	JUN		
	CUSTOM INTERFACE FOR THE GEMINI-10	NOV		
HANDIS, JOHN	A FULL PAGE DUMP FOR THE DMP-105	MAY	1988	92
HART, TIMOTHY W.	GOOD-LOOKING LABELS	JUL	1990	10
HIMOWITZ, MICHAEL	A VALENTINE PRINTER MYSTERY	FEB	1984	88
HIMOWITZ, MICHAEL	TURN YOUR PRINTER INTO A TYPESETTER	DEC	1983	
HIMOWITZ-NELSON	A VERY IMPORTANT MAN	MAR	1984	169
HIMOWITZ-NELSON	CHRISTMAS PRINTER MYSTERIES	DEC	1983	54
HIMOWITZ-NELSON	PRINTER MYSTERY	JAN	1984	144
HIMOWITZ-NELSON	THE FIRST SATURDAY IN MAY	MAY	1984	180
HOWE, CLAY	THE LLISTING FORMATTER	MAY	1988	104
	PRINTING WITH STYLE	MAY	1987	93
JENKINS, DAVID	THE PRINTER THAT CAME IN FROM THE CODE	MAY	1987	108
JIMENEZ, JOSE	FORMATTING TEXT WITH TELEWRITER	MAY	1988	164
JONES, EDWARD	FONT SELECTION MADE EASY	MAY	1989	68
KENNY, KEIRAN	THE FLIP SIDE	JAN	1989	22
KING, DAVID	THE DMP-105 TAKES A BOW	MAY	1987	104
KOHN, JOSEPH	PRINTOUT AT PMODE4	JUL	1983	262
KOHN, JOSEPH	PUTTING THE OKIDATA ML92 TO WORK	MAY	1985	89
KOLAR, JOSEPH	PUTTING THE OKIDATA ML92 TO WORK FLAUNT COCO WITH SEASON'S GREETINGS CARDS	DEC	1983	98
LACK, RICHARD	GET THE PICTURE WITH GEMINI SCREEN PRINT	MAY	1985	45
LAI, STEPHEN	GET THE PICTURE WITH GEMINI SCREEN PRINT NEAT LITTLE COLUMNS TWO BY TWO	MAY	1985	42
	ALL'S NOT LOST-WE'VE STILL GOT FUN	NOV	1983	298
	THE OLD-TIME BANNER PRINTER	MAY	1986	150
LINDSAY, DOUG	COLOR GRAPHIC BANNER	MAY	1984	41
LUDWIG, JOHN	PRINT DOUBLE GRAPHICS SCREENS SIDE BY SID	AUG	1990	44
NELSON, TOM	A PRIMER ON PRINTERS	MAY	1984	288
NELSON, TOM	A PRIMER ON PRINTERS PART 2	JUN	1984	114

PERKINS, DUANE	COCO 3 COLOR DUMP BULLETIN BOARD STANDOUT	MAY	1988	42
QUELLHORST, GEORGE	BULLETIN BOARD STANDOUT	MAY	1988	116
QUELLHORST, GEORGE	PRETTY LITTLE LISTINGS, ALL IN A ROW	MAY	1987	178
RAINBOW	GRAPHICS PRINTER	SEP	1981	13
RAINBOW	LINE PRINTER CONVERSION CHART	JUN	1983	156
RAINBOW	LP VII DRIVER	JUL	1981	3
	PRINTER BAUD RATES	FEB	1984	24
RAINBOW		AUG	1981	4
RAINBOW	SCREEN MONITOR	OCT	1981	7
SCHENCK, ED	TICKET MAKER	MAY	1988	91
	THREE PRINTER UTILITIES	SEP	1982	51
SCOFFIN, BRAD	CASSLABL: A MUSIC TAPE ORGANIZER	JUL	1984	174
SEARBY, SUE	THE SERIAL/PARALLEL SYNDROME	JAN	1983	76
SHORT, GENE	PLAIN JANE PRINT NEEDS AN APPOINTMENT	MAY	1986	88
SKAGGS, TRACY		MAY	1988	58
SNYDER, DENNIS	COCO TO EPSOM MX PRINTER INTERFACE	JUN	1983	20
STEYER, DAVID	NON-GRAPHIC PRINTER GRAPHICS	SEP	1982	72
STEYER, DAVID	SIGN UP AND HAVE A BANNER DAY	JAN	1983	190
		MAY	1986	72
SWANSON, DAMON	MAKE THE GOOD SPOOLER BETTER	MAY	1984	23
SZLUCHA, THOMAS	PRETTY AS A PICTURE WITH CGP-115	MAY	1984	137
SZLUCHA, THOMAS	SPECIAL DELIVERY	MAY	1984	135
SZLUCHA, THOMAS	SPECIAL DELIVERY THE CGP-115 PRINTER	JAN		
SZLUCHA, THOMAS	USING THE BLOCK GRAPHICS OF THE OKIDATA 8	JUN	1983	250
TOBIAS, BRAD			1984	
<u>-</u>	THE OLD-TIME FIX	NOV	1986	55
		MAY		18
WEST, JOHN	OUTFOX THOSE NARROW PRINTERS WITH ROTATE	MAY	1986	120
WHITE, FORREST	SIZED TO FIT	MAY		91
WHITE, RICHARD	DECIPHERING PRINTER CONTROL CODES	MAR	1985	28
		JUN		198
WHITE, RICHARD	SOPHISTICATION WITH PRINTING TECHNIQUES	APR	1984	64

## RAINBOW ELEVEN YEAR INDEX (C) 1990

### QUESTIONS & ANSWERS

AUTHOR	ARTICLE	мтн	YR	PAGE
AUGSBURG, CRAY	DO YOU HAVE A QUESTION?	JAN	1989	50
BERNICO, BILL		APR		
BERNICO, BILL		SEP		86
BERNICO, BILL		DEC	1988	144
<del>=</del>	GAME HINT; BASIC TUTORIAL	MAR		130
BERNICO, BILL		FEB	1989	46
BERNICO, BILL	MERGING SUBROUTINES; DATA STATEMENTS	NOV	1988	140
BERNICO, BILL	SAVING GRAPHICS; USE OF INSTR	JAN	1989	84
BOELDT, LARRY	BASICALLY SPEAKING	JUL		96
BOELDT, LARRY	BASICALLY SPEAKING	AUG		
	BASICALLY SPEAKING	SEP	1989	
	BASICALLY SPEAKING	DEC		
	ERROR-TRAPPING TROUBLES	JUL		
BOELDT, LARRY		MAY		
	ASSEMBLY; RS-232; SCREEN DUMP	JAN		178
DOWNARD, DAN		OCT		163
DOWNARD, DAN			1987	184
DOWNARD, DAN	DISASSEMBLE BASIC; DESKMATE; COCO3 BBS	NOV		172
DOWNARD, DAN	DISK DRIVE; I/O; NEW VDG; 64K	AUG	1986	186
DOWNARD, DAN	DISK DRIVES; DELPHI HINT; PRINTER	JUN		152
DOWNARD, DAN	DISK DRIVES; DLOAD; EDTASM DISK I/O	JUL		154
DOWNARD, DAN	DOWNLOADS	JAN		258
DOWNARD, DAN	DOWNLOADS	JAN		
DOWNARD, DAN	CORRECTION	FEB	1986	168
DOWNARD, DAN	DOWNLOADS	FEB		260
DOWNARD, DAN	DOWNLOADS	FEB		222
DOWNARD, DAN	DOWNLOADS	MAR		244
DOWNARD, DAN	DOWNLOADS	MAR		214
DOWNARD, DAN	DOWNLOADS	APR		252
DOWNARD, DAN	DOWNLOADS	APR		224
DOWNARD, DAN	DOWNLOADS	MAY		232
DOWNARD, DAN	DOWNLOADS	MAY		_
DOWNARD, DAN	DOWNLOADS	JUN		
DOWNARD, DAN	DOWNLOADS	JUN		194
DOWNARD, DAN	DOWNLOADS	JUL		
DOWNARD, DAN	DOWNLOADS	JUL		250
DOWNARD, DAN	DOWNLOADS		1984	
DOWNARD, DAN	DOWNLOADS	AUG	1985	234
DOWNARD, DAN	DOWNLOADS	SEP	1984	244
DOWNARD, DAN	DOWNLOADS	SEP	1985	236
DOWNARD, DAN	DOWNLOADS	OCT	1984	258
DOWNARD, DAN	DOWNLOADS	OCT	1985	230
DOWNARD, DAN	DOWNLOADS	NOV	1984	268
DOWNARD, DAN	DOWNLOADS	NOV	1985	216
DOWNARD, DAN	DOWNLOADS	DEC	1984	268
DOWNARD, DAN	DOWNLOADS	DEC	1985	256
DOWNARD, DAN	DSKCON WITH 128K; DISK DIR; MERGING	FEB	1987	186
DOWNARD, DAN	EXTENDED BASIC; BBS; PRINTER; MULTIPAK	NOV	1986	186
DOWNARD, DAN	MODEM; RGB MONITOR; RESET; ML	DEC	1986	178
DOWNARD, DAN	OS-9; MONITORS; PRINTER INTERFACE	OCT	1986	194
DOWNARD, DAN	PRINTER CONNECTIONS; CONTROL-Z	JUL	1987	161
DOWNARD, DAN	RS-232; BBS; DISK I/O; ML	APR	1987	189
DOWNARD, DAN	TELECOMMUNICATIONS; ARTIFACT COLORS; VIP	MAY	1987	188
DOWNARD, DAN	TELEWRITER; OS-9; HAM; EDTASM+	SEP	1986	186
•	· · · · · · · · · · · · · · · · · · ·			

DOWNARD, DAN	UPGRADE PROBLEMS; BBS; PRINTER	JUL	1986	210
ELLERS, ED	EARTH TO ED	JAN	1985	175
ELLERS, ED	EARTH TO ED	JAN	1986	102
ELLERS, ED	EARTH TO ED	MAR	1985	82
ELLERS, ED	EARTH TO ED	MAR	1986	116
ELLERS, ED	EARTH TO ED	APR	1985	230
ELLERS, ED	EARTH TO ED	MAY	1985	228
ELLERS, ED	EARTH TO ED	JUN	1985	156
ELLERS, ED	EARTH TO ED	JUL	1984	190
	EARTH TO ED	JUL	1985	118
	EARTH TO ED	AUG	1984	
	EARTH TO ED	AUG	1985	
	EARTH TO ED	SEP	1984	
ELLERS, ED	EARTH TO ED	SEP	1985	
ELLERS, ED	EARTH TO ED	OCT	1984	
ELLERS, ED	EARTH TO ED	OCT	1985	
ELLERS, ED	EARTH TO ED	NOV	1984	
ELLERS, ED	EARTH TO ED	NOV	1985	158
	EARTH TO ED	DEC	1984	
=	ANIMATION; PRINTER DECISION; OS-9	JAN	1987	
ESPOSITO, RICHARD	COCO 3; MC-10; 9600 BAUD; OS-9	APR	1987	
		AUG	1988	165
ESPOSITO, RICHARD	COCO TO PC; GRAPICS PRINTING			
ESPOSITO, RICHARD	DISK DRIVES; RAM DISK; ARTIFACT COLORS	JUN	1987	
ESPOSITO, RICHARD	DOCTOR ASCII	NOV	1989	
ESPOSITO, RICHARD	DRIVE SUPPORT; COPY PROTECTION	JUL	1988	
ESPOSITO, RICHARD	FILE TRANSFERS; COMMODORE COMPARISON	DEC	1988	
ESPOSITO, RICHARD	GARBLED SOUND; BASIC MEMORY	SEP	1988	138
ESPOSITO, RICHARD	INKEY\$; PRINTER REPAIR; DISK-TAPE COPY	NOV	1986	
ESPOSITO, RICHARD	MEMORY JUMPERS; DISK DRIVES ON PC	JUN	1989	
ESPOSITO, RICHARD	MINI-PHONO JACS; EDTASM; MIKEYTERM	MAY	1989	
ESPOSITO, RICHARD	NEW KEYBOARD; ZBUG; DOS DETERMINATION	MAR	1987	
ESPOSITO, RICHARD	PCOPY; BAR CODES; MERGE; HARD DISK	DEC	1986	156
ESPOSITO, RICHARD	PRINTER PROBLEMS; MODEM USE; PIRATING	DEC	1987	
ESPOSITO, RICHARD	REMOTE TERMINALS; ARTIFACT COLORS	MAY	1987	94
ESPOSITO, RICHARD	SAVING GRAPHICS; ASSEMBLY LANGUAGE	MAR	1989	94
ESPOSITO, RICHARD	SCREEN COLORS; ERROR TRACING; COCO2 UPGRA	FEB	1987	178
ESPOSITO, RICHARD	SOME TERMS DEFINED; COCO2 VS COCO3	OCT	1988	40
ESPOSITO, RICHARD	SPEEDIER OPERATIONS; DISK PROBLEM	APR	1989	92
ESPOSITO, RICHARD	T/S SPELL; ROM PACK PROBLEMS	NOV	1988	144
ESPOSITO, RICHARD	<del>-</del>	FEB	1989	99
ESPOSITO, RICHARD	VDG UPGRADE; PRINTER CONTROL CODES		1988	152
		JAN	1900	
ESPOSITO-LIBRA	1200 BAUD; SPEED UP POKE; SMART TERMINAL		1987	
ESPOSITO-LIBRA ESPOSITO-LIBRA	1200 BAUD; SPEED UP POKE; SMART TERMINAL CASSETTE TO DISK TRANSFER; PLUG 'N POWER			126
		SEP	1987	126 168
ESPOSITO-LIBRA	CASSETTE TO DISK TRANSFER; PLUG 'N POWER	SEP FEB	1987 1988	126 168 148
ESPOSITO-LIBRA ESPOSITO-LIBRA	CASSETTE TO DISK TRANSFER; PLUG 'N POWER DISK BASIC 1.1; SWAP KEYBOARDS	SEP FEB MAY	1987 1988 1988	126 168 148 124
ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA	CASSETTE TO DISK TRANSFER; PLUG 'N POWER DISK BASIC 1.1; SWAP KEYBOARDS DOCTOR ASCII	SEP FEB MAY JUL	1987 1988 1988 1989 1988	126 168 148 124 149
ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA	CASSETTE TO DISK TRANSFER; PLUG 'N POWER DISK BASIC 1.1; SWAP KEYBOARDS DOCTOR ASCII JOYSTICKS; EXEC; MULTI-PAK	SEP FEB MAY JUL APR	1987 1988 1988 1989 1988	126 168 148 124 149 110
ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA	CASSETTE TO DISK TRANSFER; PLUG 'N POWER DISK BASIC 1.1; SWAP KEYBOARDS DOCTOR ASCII JOYSTICKS; EXEC; MULTI-PAK LOWERCASE; BASICO9; DOWNLOADING	SEP FEB MAY JUL APR OCT	1987 1988 1988 1989 1988	126 168 148 124 149 110
ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA	CASSETTE TO DISK TRANSFER; PLUG 'N POWER DISK BASIC 1.1; SWAP KEYBOARDS DOCTOR ASCII JOYSTICKS; EXEC; MULTI-PAK LOWERCASE; BASICO9; DOWNLOADING ML PROGRAM; MC-10; PASCAL; INK JET	SEP FEB MAY JUL APR OCT JUL	1987 1988 1988 1989 1988 1987	126 168 148 124 149 110 126
ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA	CASSETTE TO DISK TRANSFER; PLUG 'N POWER DISK BASIC 1.1; SWAP KEYBOARDS DOCTOR ASCII JOYSTICKS; EXEC; MULTI-PAK LOWERCASE; BASICO9; DOWNLOADING ML PROGRAM; MC-10; PASCAL; INK JET RS-232 PAK; TELEWRITER 64 FIX	SEP FEB MAY JUL APR OCT JUL NOV	1987 1988 1988 1989 1988 1987 1987	126 168 148 124 149 110 126 126
ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA	CASSETTE TO DISK TRANSFER; PLUG 'N POWER DISK BASIC 1.1; SWAP KEYBOARDS DOCTOR ASCII JOYSTICKS; EXEC; MULTI-PAK LOWERCASE; BASICO9; DOWNLOADING ML PROGRAM; MC-10; PASCAL; INK JET RS-232 PAK; TELEWRITER 64 FIX SCREEN DUMP; ROM PACKS ON DISK	SEP FEB MAY JUL APR OCT JUL NOV AUG	1987 1988 1988 1989 1988 1987 1987 1987	126 168 148 124 149 110 126 126 126
ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA	CASSETTE TO DISK TRANSFER; PLUG 'N POWER DISK BASIC 1.1; SWAP KEYBOARDS DOCTOR ASCII JOYSTICKS; EXEC; MULTI-PAK LOWERCASE; BASICO9; DOWNLOADING ML PROGRAM; MC-10; PASCAL; INK JET RS-232 PAK; TELEWRITER 64 FIX SCREEN DUMP; ROM PACKS ON DISK SCREEN DUMP; UPGRADES	SEP FEB MAY JUL APR OCT JUL NOV AUG JUN	1987 1988 1988 1989 1988 1987 1987 1987	126 168 148 124 149 110 126 126 166 164
ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA	CASSETTE TO DISK TRANSFER; PLUG 'N POWER DISK BASIC 1.1; SWAP KEYBOARDS DOCTOR ASCII JOYSTICKS; EXEC; MULTI-PAK LOWERCASE; BASICO9; DOWNLOADING ML PROGRAM; MC-10; PASCAL; INK JET RS-232 PAK; TELEWRITER 64 FIX SCREEN DUMP; ROM PACKS ON DISK SCREEN DUMP; UPGRADES VIP FIX; HARD DRIVE; BBS	SEP FEB MAY JUL APR OCT JUL NOV AUG JUN MAR	1987 1988 1988 1989 1988 1987 1987 1987	126 168 148 124 149 110 126 126 166 164 68
ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA GOODMAN, MARTY	CASSETTE TO DISK TRANSFER; PLUG 'N POWER DISK BASIC 1.1; SWAP KEYBOARDS DOCTOR ASCII JOYSTICKS; EXEC; MULTI-PAK LOWERCASE; BASICO9; DOWNLOADING ML PROGRAM; MC-10; PASCAL; INK JET RS-232 PAK; TELEWRITER 64 FIX SCREEN DUMP; ROM PACKS ON DISK SCREEN DUMP; UPGRADES VIP FIX; HARD DRIVE; BBS ADOS, GHOSTS, GIMES	SEP FEB MAY JUL APR OCT JUL NOV AUG JUN MAR DEC	1987 1988 1989 1988 1987 1987 1987 1987	126 168 148 124 149 110 126 126 166 164 68
ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA GOODMAN, MARTY	CASSETTE TO DISK TRANSFER; PLUG 'N POWER DISK BASIC 1.1; SWAP KEYBOARDS DOCTOR ASCII JOYSTICKS; EXEC; MULTI-PAK LOWERCASE; BASICO9; DOWNLOADING ML PROGRAM; MC-10; PASCAL; INK JET RS-232 PAK; TELEWRITER 64 FIX SCREEN DUMP; ROM PACKS ON DISK SCREEN DUMP; UPGRADES VIP FIX; HARD DRIVE; BBS ADOS, GHOSTS, GIMES BOTH SIDES OF DISK; ATARI AND COLOR MAX	SEP FEB MAY JUL APR OCT JUL NOV AUG JUN MAR DEC JAN	1987 1988 1989 1988 1987 1987 1987 1987	126 168 148 124 149 110 126 126 166 164 68 149 58
ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA GOODMAN, MARTY GOODMAN, MARTY	CASSETTE TO DISK TRANSFER; PLUG 'N POWER DISK BASIC 1.1; SWAP KEYBOARDS DOCTOR ASCII JOYSTICKS; EXEC; MULTI-PAK LOWERCASE; BASICO9; DOWNLOADING ML PROGRAM; MC-10; PASCAL; INK JET RS-232 PAK; TELEWRITER 64 FIX SCREEN DUMP; ROM PACKS ON DISK SCREEN DUMP; UPGRADES VIP FIX; HARD DRIVE; BBS ADOS, GHOSTS, GIMES BOTH SIDES OF DISK; ATARI AND COLOR MAX BRIDGE THE 68000 GAP	SEP FEB MAY JUL APR OCT JUL NOV AUG JUN MAR DEC JAN JUL	1987 1988 1989 1988 1987 1987 1987 1987	126 168 148 124 149 110 126 126 166 164 68 149 58 56
ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA GOODMAN, MARTY GOODMAN, MARTY GOODMAN, MARTY	CASSETTE TO DISK TRANSFER; PLUG 'N POWER DISK BASIC 1.1; SWAP KEYBOARDS DOCTOR ASCII JOYSTICKS; EXEC; MULTI-PAK LOWERCASE; BASICO9; DOWNLOADING ML PROGRAM; MC-10; PASCAL; INK JET RS-232 PAK; TELEWRITER 64 FIX SCREEN DUMP; ROM PACKS ON DISK SCREEN DUMP; UPGRADES VIP FIX; HARD DRIVE; BBS ADOS, GHOSTS, GIMES BOTH SIDES OF DISK; ATARI AND COLOR MAX BRIDGE THE 68000 GAP CASSETTE PORT, FILE COMPARISONS,	SEP FEB MAY JUL APR OCT JUL NOV AUG JUN MAR DEC JAN JUL JAN	1987 1988 1989 1988 1987 1987 1987 1987	126 168 148 124 149 110 126 126 166 164 68 149 58 56
ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA GOODMAN, MARTY GOODMAN, MARTY GOODMAN, MARTY GOODMAN, MARTY	CASSETTE TO DISK TRANSFER; PLUG 'N POWER DISK BASIC 1.1; SWAP KEYBOARDS DOCTOR ASCII JOYSTICKS; EXEC; MULTI-PAK LOWERCASE; BASICO9; DOWNLOADING ML PROGRAM; MC-10; PASCAL; INK JET RS-232 PAK; TELEWRITER 64 FIX SCREEN DUMP; ROM PACKS ON DISK SCREEN DUMP; UPGRADES VIP FIX; HARD DRIVE; BBS ADOS, GHOSTS, GIMES BOTH SIDES OF DISK; ATARI AND COLOR MAX BRIDGE THE 68000 GAP CASSETTE PORT, FILE COMPARISONS, COCO 2 UPGRADE; MULTIPAK EXTENSION	SEP FEB MAY JUL APR OCT JUL NOV AUG JUN MAR DEC JAN JUL JAN FEB	1987 1988 1989 1988 1987 1987 1987 1988 1988	126 168 148 124 149 110 126 126 166 164 68 149 58 56 150
ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA GOODMAN, MARTY GOODMAN, MARTY GOODMAN, MARTY GOODMAN, MARTY GOODMAN, MARTY	CASSETTE TO DISK TRANSFER; PLUG 'N POWER DISK BASIC 1.1; SWAP KEYBOARDS DOCTOR ASCII JOYSTICKS; EXEC; MULTI-PAK LOWERCASE; BASICO9; DOWNLOADING ML PROGRAM; MC-10; PASCAL; INK JET RS-232 PAK; TELEWRITER 64 FIX SCREEN DUMP; ROM PACKS ON DISK SCREEN DUMP; UPGRADES VIP FIX; HARD DRIVE; BBS ADOS, GHOSTS, GIMES BOTH SIDES OF DISK; ATARI AND COLOR MAX BRIDGE THE 68000 GAP CASSETTE PORT, FILE COMPARISONS, COCO 2 UPGRADE; MULTIPAK EXTENSION COCO 2 UPGRADE; OFFSET ML PROGS	SEP FEB MAY JUL APR OCT JUL NOV AUG JUN MAR DEC JAN JUL JAN FEB NOV	1987 1988 1989 1988 1987 1987 1987 1988 1990 1988 1990 1991 1987 1986	126 168 148 124 149 110 126 126 166 164 68 149 58 56 150 182 78
ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA GOODMAN, MARTY GOODMAN, MARTY GOODMAN, MARTY GOODMAN, MARTY GOODMAN, MARTY GOODMAN, MARTY GOODMAN, MARTY GOODMAN, MARTY	CASSETTE TO DISK TRANSFER; PLUG 'N POWER DISK BASIC 1.1; SWAP KEYBOARDS DOCTOR ASCII JOYSTICKS; EXEC; MULTI-PAK LOWERCASE; BASICO9; DOWNLOADING ML PROGRAM; MC-10; PASCAL; INK JET RS-232 PAK; TELEWRITER 64 FIX SCREEN DUMP; ROM PACKS ON DISK SCREEN DUMP; UPGRADES VIP FIX; HARD DRIVE; BBS ADOS, GHOSTS, GIMES BOTH SIDES OF DISK; ATARI AND COLOR MAX BRIDGE THE 68000 GAP CASSETTE PORT, FILE COMPARISONS, COCO 2 UPGRADE; MULTIPAK EXTENSION COCO 2 UPGRADE; OFFSET ML PROGS COCO CONSULTATIONS	SEP FEB MAY JUL APR OCT JUL NOV AUG JUN MAR DEC JAN JUL JAN FEB NOV JUL	1987 1988 1989 1988 1987 1987 1987 1988 1988	126 168 148 124 149 110 126 126 166 164 68 149 58 56 150 182 78 62
ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA ESPOSITO-LIBRA GOODMAN, MARTY GOODMAN, MARTY GOODMAN, MARTY GOODMAN, MARTY GOODMAN, MARTY GOODMAN, MARTY	CASSETTE TO DISK TRANSFER; PLUG 'N POWER DISK BASIC 1.1; SWAP KEYBOARDS DOCTOR ASCII JOYSTICKS; EXEC; MULTI-PAK LOWERCASE; BASICO9; DOWNLOADING ML PROGRAM; MC-10; PASCAL; INK JET RS-232 PAK; TELEWRITER 64 FIX SCREEN DUMP; ROM PACKS ON DISK SCREEN DUMP; UPGRADES VIP FIX; HARD DRIVE; BBS ADOS, GHOSTS, GIMES BOTH SIDES OF DISK; ATARI AND COLOR MAX BRIDGE THE 68000 GAP CASSETTE PORT, FILE COMPARISONS, COCO 2 UPGRADE; MULTIPAK EXTENSION COCO 2 UPGRADE; OFFSET ML PROGS COCO CONSULTATIONS COCO CONSULTATIONS	SEP FEB MAY JUL APR OCT JUL NOV AUG JUN MAR DEC JAN JUL JAN FEB NOV JUL AUG	1987 1988 1989 1988 1987 1987 1987 1988 1980 1988 1990 1988 1990 1989 1989	126 168 148 124 149 110 126 126 166 164 68 149 58 56 150 182 78 62

GOODMAN,		COCO3; RS-232; DISK DRIVE ADDITION	MAR		150
GOODMAN,		COCOS NOT UP TO PAR	JUN	1990	39
GOODMAN,		COLOR MONITOR; 64K UPGRADE; BROTHER PRINT		1986	178
GOODMAN,		COLOR SCRIPSIT; SAVE GRAPHICS TO TAPE	OCT	1987	103
GOODMAN,		COMMODORE DRIVE; TRANSFER BINARY FILE	MAR	1989	76
GOODMAN,		CONVERT COCO2 TO COCO3; MULTIPAK	JUL	1988	146
GOODMAN,		CONVERTING TO THE COCO	MAR	1990	74
GOODMAN,	MARTY	DAISY WHEEL PRINTER; RS-232 ROM DISABLE	SEP	1987	95
GOODMAN,	MARTY	DEAD KEYBOARD; JOYSTICKS; LOWERCASE	DEC	1987	82
GOODMAN,	MARTY	DISCONNECTING CALL WAITING	FEB	1990	59
GOODMAN,	MARTY	DISK CONTROLLER; VIP SPELLER; BASIC	MAY	1988	158
GOODMAN,	MARTY	DISK DRIVE POWER	FEB	1991	94
GOODMAN,	MARTY	DISK DRIVES; JOYSTICK INTERFACE	JUN	1987	53
GOODMAN,	MARTY	DOUBLE SIDED DISKS; SERIAL I/O	JUN	1989	78
GOODMAN,	MARTY	DRAM-CHIP PRICE; AUDIO OUTPUT	NOV	1988	142
GOODMAN,	MARTY	DRIVES, MONITORS, Y CABLES	OCT	1990	52
GOODMAN,	MARTY	EPROMS; KEYBOARD PROBLEMS; RESERVE POWER	OCT	1986	180
GOODMAN,	MARTY	FIX DISK CONTROLLER; GIME CHIP	MAY	1987	174
GOODMAN,	MARTY	FIX FOR TW-80; PRINTER HOOKUP	SEP	1988	88
GOODMAN,	MARTY	FLASHES ON SCREEN; OS-9 CRASHES	AUG	1988	162
GOODMAN,	MARTY	GETTING TO THE DETAILS OF THE COCO3	OCT	1986	104
GOODMAN,	MARTY	HARD DRIVE; UPGRADE; TRADING FILES	JUN	1988	83
GOODMAN,	MARTY	HARD DRIVES, JDOS, VIRUS, FAX	AUG	1990	62
GOODMAN,	MARTY	HARD DRIVES, FOREIGN POWER, TS/EDIT	NOV	1990	24
GOODMAN,	MARTY	HI-RES JOYSTICK INTERFACE; HARD DRIVE	JUL	1987	78
GOODMAN,		HIGH SPEED POKE; HARD DRIVE; ML ADDRESSES	DEC	1988	154
GOODMAN,	MARTY	JOYSTICK REPAIRS; COCO AND CM-8 MONITOR	JAN	1989	98
GOODMAN,		JUMPY PICTURES; PIN ASSIGNMENTS	AUG	1987	64
GOODMAN,		LOOKING FOR CONNECTORS	APR	1990	59
GOODMAN,		MEMORY UPGRADES, DESKMATE 3 BLUES	MAY	1991	
GOODMAN,		MODEMS, DRIVES, CMP	APR	1991	
GOODMAN,		MONITORS; DISK DRIVES; SHARE A PRINTER	APR	1989	54
GOODMAN,		MULTI-PAK; COPY ROM PAKS	MAY	1989	142
GOODMAN,		NEED A LITTLE SUPPORT?	DEC	1989	42
GOODMAN,		OS-9 VS. BASIC	MAY	1990	62
GOODMAN,		PARALLEL PORT; EPROM; 64K UPGRADES	MAR	1988	160
GOODMAN,		PIAS, BAUD RATES, BLOWN MULTI-PAKS	SEP	1990	52
GOODMAN,		PMODE 4 ON COCO3; MONITOR; MODEM	JAN	1987	92
GOODMAN,		PRINT QUOTATION MARK; RGB MONITOR		1987	_
GOODMAN,		PROCESSOR CHIPS; DISK CONTROLLER	DEC	1986	102
GOODMAN,		RUNNING HOT; CM-3 MONITOR PROBLEMS	APR	1988	
=					142
GOODMAN,		SOUND, SMARTWATCH, VCRS	MAR	1991	38
GOODMAN,		TERMINAL PROGS, MODEM PAK, POWER SUPPLY		1991	63
GOODMAN,		THE DISK SYSTEM THAT LIED	JAN	1990	20
GOODMAN,		TTL MONITOR; DISK DRIVE PROBLEM	FEB	1989	92 56
GOODMAN,		USE COCO3'S MMU; COCO3 COLD START	OCT	1988	56
GOODMAN,		VT-52; BAUD RATES; DISK DRIVES	NOV	1987	103
GOODMAN,		Y CABLE; MULTIPAKS; SERIAL PORT	SEP	1986	178
RAINBOW S	STAFF	OS-9 GUIDANCE	MAY	1991	34

# RAINBOW TEN YEAR INDEX (C) 1990

### **REVIEWS 1981-90**

PRODUCT	МТН	YR	PAGE
10KEY	OCT	1984	227
15 MEG HARD DRIVE (TANDY)	MAY	1986	196
1986 TAX ESTIMATE	SEP	1986	148
232 REMOTE PLUS	SEP	1985	217
24-PIN/28-PIN EPROM ADAPTER	MAR		196
26 HARDWARE PROJECTS FOR THE HOME COMPUTER (BOOK)	MAY		210
3-D GRAPHICS	JAN		145
3-GAME PACK NO. 3		1984	226
500 POKES, PEEKS 'N EXECS		1985	199
64K SPOOLER		1985	220
A MAZING WORLD OF MALCOLM MORTAR	SEP	1988	132
A/B-4	SEP	1985	214
A2D DELUXE JOYSTICK	AUG		150
ABC PUZZLE	JAN		207
ACCOUNTS RECEIVABLE	MAR		-
ACDITS	SEP		217
ACROSS THE RUBICON	DEC	1982	141
ADDITION AND SUBTRACTION OF FRACTIONS AND MIXED NUMBERS	MAY		207
ADDITION CONCEPTS	FEB	1983	77
ADDLINE	JUL	1985	212
ADDRESS - (CORRECTION)	MAY		154
ADDRESS	MAR		132
ADDRESS ONE	SEP		218
ADOS-3	JUL	1987	
ADOS	DEC		
ADOS VERSION 1.02	JUN		
ADVANCED BASIC PROGRAMMING AID	JUL	1986	158
ADVANCED EDITOR	JUL	1984	202
ADVANCED UTILITIES	JUN	1986	174
ADVENTURE 3-PAK	AUG	1982	76
ADVENTURE CRACKER	AUG	1984	210
ADVENTURE GENERATOR	DEC	1984	227
ADVENTURE GENERATOR	JUL	1984	231
ADVENTURE IN LUMERIA	DEC	1988	141
ADVENTURE IN WONDERLAND	OCT	1983	241
ADVENTURE MYTHOLOGY	AUG	1986	139
ADVENTURE STARTER PACKAGE	FEB	1984	242
ADVENTURER'S HANDBOOK, THE	OCT	1984	202
ADVENTURES	DEC	1983	244
ADVENTURUS SUPREMUS 4.6B	JUN	1985	221
AIR TRAFFIC CONTROL SIMULATOR	FEB	1985	229
AIR TRAFFIC CONTROLLER	APR	1984	247
AIRLINE	JAN	1984	260
AL-WRITE	OCT	1988	119
ALCATRAZ	NOV	1985	212
ALCATRAZ II	JUL	1983	232
ALDARON	OCT	1984	207
ALGEBRA	JUN	1986	179
ALPHA-DIR	AUG	1984	198
ALPHA-DRAW	AUG	1982	61
ALPHABET	DEC	1983	259
ALPHABET SOUP	FEB	1983	192
ALPHABET STEW	MAY	1985	208
ALPHABETIZING	SEP	1986	135

AMAZIN' MAZE GAME, THE	JUN		_
AMDISK III	OCT		
AMORTIZATION AMT	NOV OCT		
AN ADUCATION	SEP		
AN INTRODUCTION TO THE DOCTRINES OF GRACE	JUL		
ANCESTORS 2.0	NOV		
ANCIENT WISDOM	SEP	1982	44
ANDROID ATTACK	APR	1983	232
ANDRONE	DEC	1984	219
ANIMATED HANGMAN	DEC	1981	
ANIMATOR COMMERCIAL	AUG		
ANIMATOR JUNIOR ANIMATOR, THE	AUG JAN		-
ANSWER, THE	APR		-
AR-16 RELAY INTERFACE AND RI-8 RELAY CARD	DEC		
ARCADE COLLECTION	MAR		
ARCHIVIST, THE	FEB	1985	205
AREX	NOV	1983	244
ARITHMETIC TUTOR	MAR	1985	207
ARIZONA HARD DRIVE	FEB	1989	
ARMCHAIR ADMIRAL	JAN		125
ART-DELI	NOV		
ART-DELI	OCT		_
ART GALLERY	APR		
ARTICULATOR ARTIFICIAL INTELLIGENCE TIC-TAC-TOE	DEC JUN		_
ARTIFICIAL LEARNING FILE	JAN		
ASSEMBLER LANGUAGE PROGRAMMING TOOLKIT	DEC		
ASSEMBLER MATH	JUN	1984	225
ASSEMBLY LANGUAGE GRAPHICS (BOOK)	FEB	1983	94
ASSEMBLY LANGUAGE PROGRAMMING FOR THE COCO 3	JUN	1988	132
ASSEMBLY LANGUAGE PROGRAMMING FOR THE TRS-80 COCO	DEC	1986	142
ASTRO BLAST	AUG	1982	74
ASTRO FORTUNE TELLER, THE	MAY		130
ASTROLOGY	OCT		100
ATARI JOYSTICKS ATLANTIS ADVENTURE	NOV MAY		
ATOM	MAY	1984	239
AUSSIE COLLECTION, THE	APR	1989	128
AUT-O-START	JUN	1985	220
AUTO DIM	JAN	1988	139
AUTO RUN	JUN	1982	52
AUTO RUN 64	FEB	1985	224
AUTOTERM	JUN	1983	118
AUTOTERM	NOV	1984	229
AUTOTERM 6.1	MAR	1988	132
AVATEX 1200 MODEM	DEC	1986	132
AVATEX 1200E AVATEX 2400 MODEM	APR MAR	1988 1988	134 134
AVAILA 2400 MODEM AVENGER	NOV	1982	52
B-XREF	MAR	1985	209
BACKUP AND BACKUP II	JUL	1987	142
BACKUP LIGHTING	FEB	1988	136
BACKUP ZERO	JUL	1985	200
BAKERSFIELD KENO	MAR	1985	216
BALLOON ATTACK	JAN	1984	274
BANKER II	APR	1988	133
BANNER	JAN	1987	146
BANNER  PANNER DANNER D	JUN	1983	223
BANNERS BANNERS BAR ZAPPER	FEB APR	1984 1983	240 136
DAN BAFFER	AFK	<b>T203</b>	130

BARAROSSA	JAN		
BASEBALL	MAR		
BASEBALL	NOV		
BASEBALL STATISTICS PACKAGE	DEC FEB	1985 1989	
BASH BASIC AID	AUG	1982	
BASIC FREEDOM	AUG	1982	
BASIC HANDBOOK, THE	JUL		
BASIC PROGRAMMING PRIMER	JUN		
BASIC PROGRAMMING TRICKS REVEALED	FEB	1985	
BASIC SCREEN EDITOR	OCT	1988	116
BASIC SEARCHER	MAR	1985	196
BASIC UNRAVELLED SERIES	MAY	1989	118
BASIC UTILITY DISKETTE	NOV	1988	129
BASIC WINDOWS	NOV	1989	99
BASIC+	JAN	1986	192
BASKETBALL STATISTICS PACKAGE	NOV	1985	213
BASTXT	OCT	1985	
BATTLE	FEB	1984	
BATTLE FOR TUNIS	SEP	1985	
BATTLE HYMN	DEC		
BATTLE OF GETTYSBURG	FEB	1983	
BATTLE OF THE BULGE	AUG	1985	_
BATTLE OF WATERLOO	MAR		
BATTLE STATIONS	JAN		
BATTLEFLEET	JAN	1982	_
BBS LOG BOOK	MAR MAY	1985 1984	_
BEAM RIDER BEFORE, BETWEEN AND AFTER	MAY		
BERSERK	MAR	1982	_
BETTER	JUL		_
BETTER GRAPHICS ON YOUR COCO III	AUG	1987	
BEYOND THE CIMEEON MOON	APR	1983	_
BEYOND WORDS	OCT	1983	_
BEYOND WORDS	SEP	1983	245
BIBLE ADVENTURE	JUN	1984	230
BIG B PRO QUARTERBACK	FEB	1985	219
BIG BASIC	OCT	1989	100
BIG BIRD'S SPECIAL DELIVERY	FEB	1985	218
BIG NUM	NOV	1982	54
BIG PIX 3	JUL	1988	124
BIG RAM DISK	APR	1990	101
BIGFOOT	MAR	1983	200
BIO-DETECTOR	DEC	1983	248
BIORHYTHM	JUN		52
BIORHYTHM AND MINE FIELD	FEB	1982	_
BIOSPHERE	JUN FEB	1986	
BIRD ATTACK BJORK BLOCKS	OCT	1983 1984	
BLACK GRID, THE	JUN		
BLACK SANCTUM, THE	AUG	1984	
BLACKBEARD'S ISLAND	FEB	1986	
BLACKJACK	FEB	1983	
BLACKJACK	JUN		66
BLACKJACK DEALER AND FEELER DEALER	DEC	1985	
BLACKJACK ROYALE	AUG	1983	
BLACKJACK ROYALE VERSION 2.0	DEC	1984	
BLACKJAQ	NOV	1983	250
BLOC HEAD	AUG	1983	120
BLUE STEAK ULTIMA SERIAL/PARALLE INTERFACE	APR	1989	128
BLUE STREAK INTERFACE	JUL	1984	211
BMC MONITOR STAND	MAR	1986	207

BOB'S MAGIC GRAPHIC MACHINE	JUL	1985	_
BODY PARTS	JAN	1984	
BOMB SCARE	JUL	1985	-
BOMBER COMMAND	JAN	1984	
BOUNCING BOULDERS	APR APR	1987 1987	139 140
BOWLING LEAGUE SECRETARY BOWLING LEAGUE SECRETARY	SEP	1986	141
BRICKAWAY	FEB	1982	30
BRICKOUT/WORD GUESS	MAR	1982	19
BRIDGE TUTOR I	APR	1983	148
BRITEFACE	NOV	1985	
BT1000 INTERFACE	JAN	1983	
BTU ANALYSIS	SEP	1987	130
BUG BUSTER	SEP	1987	132
BUG BUSTER 2000	DEC	1988	138
BUG CHASE	SEP	1982	90
BUGGER	SEP	1983	164
BUGS II	MAY	1985	219
BULLETIN BOARD SOFTWARE	DEC	1982	142
BUMBLE GAMES	SEP	1983	_
BUMBLE PLOT	AUG	1983	
BUMPERS	DEC	1983	_
BURIED BUXX	FEB	1989	_
BURNER PLUS	FEB	1985	_
BUSINESS BANKBOOK	AUG	1986 1984	
BUSINESS MANAGER BUZZARD BAIT	JUN JAN	1984	
BUZZWORM	MAR	1986	188
BWINDO	AUG	1982	27
BYTE BAT	FEB	1984	
BYTE OF COLOR BASIC, A	NOV	1982	27
C-III	JUN	1984	258
C-SEE VERSION 2.0	NOV	1985	204
C-TREK	DEC	1983	250
C COMPILER	DEC	1983	270
C COMPILER	OCT	1986	143
C.A.R.	OCT	1989	104
CAIS-CHECKING ACCOUNT INFORMATION SYSTEM	APR	1986	185
CALADURIL FLAME OF LIGHT	DEC	1987	135
CALADURIL II-WEATHERSTONE'S END	JUN	1989	126
CALCULATING PARTS PER MILLION	MAR	1986	195
CALENDAR AND CONVERT	SEP	1989	100
CALIXTO ISLAND	APR	1984	246
CALIXTO ISLAND	MAY	1982	35 220
CALORIE COUNTER-WEIGHT ANALYZER CANDY CO	JAN AUG	1985 1984	
CAR DEALER ASSISTANT	OCT	1986	
CAR MANAGER	SEP	1984	
CAR SIGN DESIGNER	SEP	1988	
CARD GAME	JUN	1983	
CARRY	JUN		
CARTOONAMATOR	JUL	1988	
CASH PROPHET	DEC	1985	229
CASHMAN	FEB	1984	256
CASPER COCO QUICK ASSEMBLER	SEP	1986	137
CASSETTE BOX INSERT MAKER	MAR	1985	198
CASSETTE CADDY	SEP	1982	_
CASSETTE CONTROLLER	JAN	1984	
CASSETTE HOLDER	JAN	1983	
CASSETTE LABEL	SEP	1984	
CASSETTE TAPE TESTER	AUG	1985	211
CASTLE OF THROGGAD	NOA	1988	130

CASTLE RAGOONA	APR		215
CATACOMB	SEP		163
CATALYST	MAR		
CATCH 'EM	APR		72
CAVE HUNTER	APR		25
CAVE WALKER	JUN		
CBASIC	FEB	1986	198
CBASIC III	DEC		
CBUG MONITOR	AUG		3
CC-100 INTERFACE BREADBOARD PACKAGE	NOV DEC		191 268
CC-DBM/LW CC CALC	FEB		62
CC DIALER	NOV		254
CC MAILER	FEB	1983	158
CC3 DRAW	DEC		148
CC3 DRAW (CORRECTION)	FEB	1987	
CC3FLAGS	AUG		97
CCADS	DEC		_
CCEAD	FEB		170
CCFORTH	DEC		148
CCPILOT	MAY		14
CCRAM	JUN		
CCTHELLO	MAR		120
CCUBE	NOV		116
CCZAP	MAR	1986	185
CD EDITOR	JUN	1986	159
CD SORT/KEY-EXTR	MAY	1985	206
CEBBS-A BBS YOU CAN LIVE WITH	NOV	1989	94
CENTIPEDE ABC'S AND 123'S	JUN	1985	205
CER-COMP DISK SYSTEM	JUL	1982	20
CER-COMP DISK SYSTEM	MAY	1982	34
CGP-115 PRINTER	DEC	1982	168
CGP-220 SCREEN DUMP PACKAGE	JUN	1986	173
CGP II	JUN	1983	230
CGP115SD-SCREEN DUMP	AUG	1984	203
CHAMBERS	SEP	1984	205
CHAMPION	MAY	1987	141
CHECK ACCOUNT INFORMATION SYSTEM	FEB	1988	133
CHECKBOOK III		1987	
CHECKERBOARD FILESORT	JUL		137
CHECKING ACCOUNT	FEB	1983	169
CHEMISTRY TUTOR	APR		
CHESS-NUTS	JUN		_
CHESS MADE EASY	AUG		
CHESSD	DEC		
CHIPAWAY	APR		
CHOPPER STRIKE	AUG		
CHRISTMAS FANTASIA	DEC		
CHRISTMAS QUIZ	DEC OCT		
CHROMA KEYS CHROMASETTE MAGAZINE	DEC		
CHROMASEITE MAGAZINE CHURCH TIME	SEP		
CIII PAGES	FEB	1990	
CINC-PAC	AUG		
CIRCUS ADVENTURE	MAR		36
CITIZEN 120D PRINTER	MAR		
CITY WAR - CORRECTION	DEC		
CITY WAR	DEC		
CLOCK	MAR		
CLOCK	OCT		113
CLOCK DRILL	FEB	1984	252
CM-8 EXTENDER CABLE	MAY	1987	140

CMAILIST	MAY	1982	21
CMODEM  GNOC GOVERNOON WITH	JUL	1985	196
CMOS CONVERSION KIT	APR SEP	1987 1983	138 178
CO-CO COOLER CO-EXISTENCE	JUN	1983	219
CO-RES EDITOR/ASSEMBLER	OCT	1982	30
COCO-JOT	MAR	1983	114
COCO-UTIL II	NOV	1986	136
COCO 3 GAMES DISK	SEP	1989	101
COCO 3 TURBO RAM 512 UPGRADE	JAN	1988	130
COCO ACCOUNTANT	JUL	1983	82
COCO ADDRESS BOOK	JUN	1988	133
COCO BASE I	AUG	1986	152
COCO BASE I	MAR	1988	130
COCO BINGO	MAY	1984	278
COCO BOARD II	AUG	1983	169
COCO CALENDAR	MAR	1986	209
COCO CALLIGRAPHER	OCT	1985	215
COCO CASSETTE	OCT	1982	96
COCO CHECKBOOK	DEC	1987	
COCO CHECKBOOK DISK COCO CHECKER	OCT	1985 1985	197 194
COCO CHECKER COCO CHRONICLES, THE	JAN FEB	1986	218
COCO COOKBOOK	SEP	1984	218
COCO COOLER	DEC	1982	39
COCO COOLER II	MAR	1985	226
COCO COOLER TOO	MAR	1986	186
COCO COUPLER CP/M	OCT	1984	
COCO DISK ZAPPER	DEC	1987	131
COCO DISKZAP UTILITY	OCT	1986	147
COCO DUMP	NOV	1984	230
COCO ECHO	OCT	1985	208
COCO EPROM PROGRAMMER	APR	1986	213
COCO FREEZE FRAME	MAY	1985	222
COCO GARDENER	FEB	1986	204
COCO GRAPHICS DESIGNER PLUS	MAY	1989	110
COCO GREETING CARD DESIGNER	APR	1986	202
COCO GURU	FEB	1987	134
COCO HYMNAL	MAR		
COCO III 512K UPGRADE COCO III FONT BONANZA	MAR	1987 1987	145 148
COCO III FONI BONANZA COCO III SECRETS REVEALED (BOOK)	APR FEB	1987	
COCO III SECREIS REVEALED (BOOK)	AUG	1987	
COCO INCOGNITO (BOOK)	MAR	1986	
COCO KEYBOARD COVER	MAR	1986	
COCO KEYBOARD EXTENDER CABLE	NOV	1987	
COCO KEYBOARD SOFTWARE	APR	1986	
COCO KNITTER	MAY	1986	
COCO LIFE	NOV	1985	
COCO LOGO FOR THE TRS-80 COLOR COMPUTER	JUL	1985	202
COCO MAIL	OCT		
COCO MAX	JUN	1985	
COCO MAX II	APR	1986	
COCO MAX II PATCH	DEC	1987	
COCO MAX III	APR	1988	
COCO MIDI 2	SEP	1987	
COCO MIDI 3	OCT	1989	105
COCO NEWSROOM	MAR	1988	
COCO PAINT	JUL	1985	
COCO PROFESSIONAL TAX PREPARER COCO SLOTS	JUN JAN	1985 1983	199 196
COCO SOLVER AND PROGRAM GENERATOR	FEB	1986	210
COCC DOLVER AND INCOME GENERATOR	r ED	1900	210

COCO STERO HEADPHONE	AUG	1989	92
COCO TALKER	AUG	1985	
COCO TEXT UTIL COCO TUNER	MAY JUN	1986 1985	211 203
COCO VIDEO TITLER	APR	1985	219
COCO WINDOWS	MAY	1986	
COCO XT	APR	1988	
COCO3 WHEEL	MAY	1989	124
COCOACHIEVER	NOV	1986	146
COCOINDX	AUG	1984	
COCORUN-12	FEB	1990	
COCOSIZE	APR	1987	_
CODE PRACTICE COINS AND ADDITION	NOV DEC	1986 1984	
COLONIAL TRILOGY	MAR	1984	
COLOR-80	AUG	1983	
COLOR BASIC AND EXTENDED BASIC SYSTEM REFERENCE CARD	APR	1982	31
COLOR CAR ACTION	JAN	1986	201
COLOR CHECKBOOK	APR	1985	210
COLOR COMPILER	APR	1984	
COLOR COMPUTER ARTIST	MAR	1988	_
COLOR COMPUTER GRAPHICS	AUG	1982	39
COLOR COMPUTER MACHINE MONITOR	OCT	1985	
COLOR CONNECTION II	APR APR	1987 1985	
COLOR CONNECTION II	APR	1984	245
COLOR DESIGNER COLOR DICTIONARY	MAY	1984	
COLOR DISK MANAGER	AUG	1985	
COLOR ENHANCER	OCT	1982	28
COLOR ESSENTIAL MATH	APR	1986	203
COLOR FILE II	NOV	1987	131
COLOR FINANCE	NOV	1983	238
COLOR FINANCE II	NOV	1984	208
COLOR FORTH	DEC	1982	148
COLOR GRAPHICS EDITOR	OCT	1983	228
COLOR INK JET PRINTER	NOV	1983	242
COLOR INVADERS COLOR LISP	APR MAY	1982 1986	28 195
COLOR MATH		1988	
COLOR MATH	JUL	1985	219
COLOR MATH PRACTICE	OCT	1984	
COLOR MAX 3	OCT	1987	
COLOR MAX 3 FONT EDITOR	FEB	1988	
COLOR METEOROIDS	NOV	1981	7
COLOR MONITOR	OCT	1983	258
COLOR POWER II	JAN	1985	
COLOR SCARFMAN	JAN	1983	189
COLOR SCHEMATIC CREATOR 1.2	SEP	1989	92
COLOR SCRIBE COLOR SCRIBE III	OCT	1983	
COLOR SCRIBE III COLOR SCRIPSIT II	JUN AUG	1987 1987	
COLOR SOFTWARE WORKBENCH	JAN	1984	
COLOR SPACE INVADERS	OCT	1981	
COLOR STAT STRATEGY BASEBALL	MAR	1985	
COLOR STRONGHOLD	NOV	1984	
COLOR TAPE MANAGER	JUL	1985	217
COLOR TERM PLUS	NOV	1983	
COLOR TEXT	JUN	1983	
COLOR TUTOR	FEB	1984	
COLOR VENTURE RAMDISK	APR	1988	138
COLOR ZAP COLOR ZAP	NOV SEP	1983 1982	286 44
COLOR LAL	SEP	1902	77

COLORAMA BBS	JUL	1984	
COLORCHESTRA	OCT	1986	135
COLORCOM/E	FEB	1982	31
COLORCOM/E	NOV	1985	211
COLORFORTH COLORFORTH MEDITAN 2 0	MAY	1982	29
COLORFORTH VERSION 2.0	FEB DEC	1985 1984	198 230
COLORGRADE COLORHYTHM	AUG	1982	61
COLORKIT	OCT	1982	114
COLORMIND	SEP	1984	
COLOROUT	OCT	1983	
COLORPEDE	DEC	1982	144
COLORSCAN	JAN	1987	
COLORSHOW	DEC	1982	171
COLORSPEAK	DEC	1983	280
COLORSTAT	JUN	1985	198
COLORTAC	APR	1984	236
COLORTERM	MAR	1982	29
COMICS+	FEB	1990	106
COMM-4	DEC	1986	134
COMMAND STREAM PROCESSOR	JAN	1984	286
COMP-U-TRACE	JAN	1984	287
COMPANION, THE	NOV	1983	273
COMPANY COMMANDER	JAN	1986	191
COMPLETE ELECTRONIC ORGANIZER	APR	1986	204
COMPLETE PERSONAL ACCOUNTANT	FEB	1984	246
COMPLETE RAINBOW GUIDE TO OS-9, THE	DEC	1985	248
COMPOSER, THE	JUN	1983	192
COMPUMIND/JACKPOT	JAN	1982	16
COMPUTER BANKBOOK	AUG	1986	144
COMPUTER DICTIONARY (BOOK)	NOV	1988	128
COMPUTER PHONE BOOK, THE	NOV	1986	135
COMPUTERWARE'S 32K UPGRADE	FEB	1982	9
COMPUVOICE	JUN	1982	11
CONCORDANCE CONFLICT	NOV OCT	1984 1981	200 2
CONGRESS	JUN	1985	195
CONQUERING ARMIES	APR	1986	192
CONQUEST OF KZIRGLA	APR		
CONTEXT CLUES	MAR	1984	225
CONVERSION AIDS	JUL	1984	216
CONVERSIONS	MAY	1985	203
COOKBOOK	SEP	1985	195
COOKIE MONSTER'S LETTER CRUNCH	FEB	1984	266
COPUTER HAMMER	FEB	1987	141
CORPORATION PLUS	DEC	1985	238
COSMIC CLONES	NOV	1983	286
COSMIC PAINT	NOV	1985	193
COUNT TO 100	AUG	1985	221
COUNTING THINGS	JAN	1985	215
CPP	JUN	1983	172
CPRINT	DEC	1981	11
CRAPS	DEC	1982	112
CRASH	JUL	1985	221
CREATAVADOR	MAY	1982	15
CRIBBAGE	OCT	1984	226
CROSSOVER	FEB	1986	202
CROSSWORDS  CRE COLLECTION	JUN	1983	224
CRT COLLECTION CRYPTON	MAR APR	1990 1985	102 200
CRYPTON CRYSTAL	JAN	1985	205
CRYSTAL REVENGE	APR	1983	160
			_00

CU-BER	MAR	1984	247
CUBIX	APR	1984	
CURRILLIAN CRUISER	FEB	1988	
CUSTOM PALETTE DESIGNER	AUG	1987	
CYBERTANK	NOV		_
CYCLEJUMP  CYPHE WORLD CLASS CHESS	JAN AUG	1990 1985	
CYRUS WORLD CLASS CHESS D.L. LOGO	JAN		
DALLAS QUEST	SEP	1985	
DAN TUCKER'S MINE	JUN		
DANCING DEVIL	APR	1982	35
DANOSOFT'S DISK UTILITIES	NOV		
DAPPER	OCT	1984	212
DARKMOOR HOLD	AUG	1986	135
DATA-COMP FLEX	JUL	1983	240
DATA 500	DEC	1983	254
DATA BANK	AUG	1985	
DATA DOCTOR	JAN		
DATA FORM III	JAN		
DATA LINE SWITCH BOX	JUN		
DATA MASTER	MAY		_
DATABASE MANAGER II	JUN		
DATALIST	MAR	1985	
DATAMAIL DATAPACK II PLUS; DATAPACK III PLUS	JUL MAY	1983 1987	
DATARASE	JUL	1985	
DATE-O-BASE CALENDAR	JUN		9
DAVINCI3	APR	1989	_
DDAY	FEB	1987	
DDH DIRECTORY-FILE BUILDER	FEB	1984	
DEATH STAR	APR	1983	150
DEBACLE	JUN	1985	209
DECIMALS	MAY	1984	213
DECISION MAKER	APR	1984	270
DEFENSE	MAR	1983	142
DEFT BENCH AND PASCAL	NOV	1984	
DEJAVU	APR	1985	
DELPHI: THE OFFICIAL GUIDE (BOOK)	NOV	1988	
DELUXE ICON EDITOR		1989	
DEMON SEED	MAY	1984	224
DEPREC	NOV	1983 1984	272
DEPUTY INSPECTOR DERBY	DEC NOV	1984	202 285
DESERT GOLF	AUG	1983	186
DESIGNER	JUN	1985	202
DESKMATE	APR	1986	198
DESKMATE	MAY	1986	219
DESKMATE 3	DEC	1987	129
DEVIL ASSAULT	MAR	1984	247
DIAMOND IN THE ROUGH, A	DEC	1989	96
DICE	FEB	1983	198
DIET-ADE	MAY	1985	206
DIGISECTOR DS-69A	NOV	1986	140
DIGITIZER 3	JUN	1989	134
DINO DATABASE	MAY	1989	122
DIR-MGR"	JUL	1989	121
DIRECT FILE TRANSFER	AUG	1983	276
DIRECTOR, THE	APR	1988	138
DIRECTORY DATE	AUG	1987	132
DISASM DISASSEMBLER	NOV DEC	1983 1989	248 99
DISK-O-TIER	OCT	1984	233
220 V 1140	561	<b>1</b> 704	200

DISK ANTI-PIRATE	SEP	1987	133
DISK BASIC UNRAVELED (BOOK)	OCT	1986	146
DISK COLORCOM/E	NOV	1982	58
DISK DATA HANDLER DISK DOCTOR	OCT	1982 1989	110 94
DISK DOCTOR	AUG JUN	1982	9 <del>4</del> 27
DISK DOUBLE ENTRY	JAN	1983	70
DISK EDITOR II	JUN	1988	130
DISK GRAPHICS	DEC	1983	272
DISK HANDYMAN	NOV	1989	104
DISK INTERFACE	SEP	1982	20
DISK MANAGEMENT SYSTEM	MAY	1986	212
DISK MANAGER	JUL	1987	140
DISK MANAGER	NOV	1983	275
DISK MANAGER TREE	OCT	1988	_
DISK MASTER	APR	1985	223
DISK MONEY MINDER	AUG	1983	
DISK PILOT	DEC	1985	
DISK PROGRAMMING PACKAGE	JAN	1987	
DISK SCRIPSIT DISK SPECTACULATOR	NOV NOV	1982 1982	25 25
DISK UTILITY	OCT		_
DISK UTILITY PACKAGE	FEB	1986	214
DISK VIDTEX	NOV	1984	
DISKEY DISK ACCESS AND REPAIR KEY	FEB	1984	
DISKLOCK	FEB	1988	130
DISKMAN	MAY	1987	
DISKMAN II	FEB	1989	139
DISKTYPE	JUN	1984	247
DISKUTIL	MAY	1984	268
DISTO ASSORTMENT	MAR	1989	122
DISTO SUPER RAM 3	MAY	1987	144
DISTO SUPER RAM DISK	JUN	1986	160
DIV AND CONDIV	JUN	1990	68
DMGAGIC	AUG	1984	213
DMP-100 LINE PRINTER CONVERSION	MAY	1985	195
DMP 200	JUN	1983	210
DMS-3B DIGITAL MEMORY SCOPE	DEC	1986 1984	146
DO-FILE/FIX-FILE DOLLAR WISE	SEP SEP	1984	201 136
DOLLARS AND SENSE	JUL	1983	300
DOMINATION	JUL	1988	124
DON'T FORGET	MAR	1985	
DON PAN	MAR	1986	
DONALD DUCK'S PLAYGROUND	SEP	1987	129
DONKEY KING	JAN	1983	152
DONUT DILEMMA	NOV	1989	102
DONUT DILEMMA	SEP	1987	133
DOODLEBUG	JAN	1983	162
DOOMSDAY AT 2100	SEP	1985	
DOS SWITCHER	FEB	1986	
DOUBLE DRIVER	MAY	1985	
DOUBLE STICK INTERFACE	MAR	1983	199
DOUBLEBACK	APR	1983	72
DOWNLAND DDACONTAN	APR	1985	
DRACONIS CASTIE THE	APR	1985 1987	
DRAGON'S CASTLE, THE DRAGON'S TEMPLE	JUN DEC	1987	143 136
DRAGON BLADE	NOV	1986	
DRAGON SLAYER	JAN	1987	135
DRAGONFLY FAN	JAN	1984	264
DRAGONQUEST	DEC	1982	162
~			

DRAW-IT	DEC	1983	239
DRB	MAY	1984	222
DRIVE 0 PACKAGE	JAN	1985	219
DRIVE 1 UPGRADE	NOV	1986	150
DS-69 DIGISECTOR	MAY	1985	_
DS-69B DIGISECTOR	MAY	1989	121
DSKIDR	DEC	1983	
DSKLBL	MAR	1990	
DSKMON	MAY	1984	276
DSKUTIL	JUL	1986	153
DUAL DOS SWITCHER	FEB	1987	138
DUAL HI-RES JOYSTICK ADAPTER	MAR	1990	106
DUDAL	SEP	1985	215
DUNGEON MAZE	NOV	1982	55
DUNGEON QUEST	OCT	1985	197
DUNGEONS OF DAGGORATH	JUL	1983	220
DUNKEY MUNKEY	JAN	1983	152
DYFIN	JAN	1984	268
DYNACALC	AUG	1983	158
DYNACALC	SEP	1984	219
DYNACALC OS-9	NOV	1985	208
DYNAMITE+	DEC	1984	195
DYNASTAR/DYNAFORM/DYNASPELL	JUL	1984	220
DYTERM	FEB	1984	216
E-Z BASE	JUL	1984	255
EAGLE KEYBOARD AND INTERFACE	JAN	1990	92
EAGLE LANDER	SEP	1986	134
EARLY GAMES	JAN	1984	280
EARLY LETTER RECOGNITION	JUN	1984	240
EARS	OCT	1985	201
EASY-FILE	NOV	1984	240
EASY GRADEBOOK/EASY TESTWRITER	JUL	1986	154
EDITTRON	SEP	1984	212
EDOS 2.6 ROM	DEC	1985	235
EDT	OCT	1984	225
EDTASM (DISK)	SEP	1984	192
EIGHT-BIT BARTENDER	APR	1983	208
EL BANDITO	SEP	1983	168
EL CASINO	APR	1982	25
EL CHEAPO A/D CONVERTER	AUG	1983	96
EL DIABELERO	NOV	1982	112
ELCIRCAN	NOV	1983	280
ELDUS	MAR	1990	108
ELEC-TRON	MAY	1985	226
ELECTRA-GUARD	JUN	1985	210
ELECTRICITY CONSUMPTION MONITOR	APR	1983	26
ELECTRONIC CALLIGRAPHER	AUG	1983	270
ELECTRONIC GRAPH	JUN	1984	271
ELECTRONIC ROBOT DOG, THE	JAN	1987	139
ELITE-FILE	DEC	1984	241
ELITE-WORD	MAR	1984	260
ELITE CALC	AUG	1983	262
ELITE WORD/80	MAR	1987	134
EMC CIRCUIT BOARDS	FEB	1986	203
ENCHANTED FOREST	DEC	1982	74
ENDICOTT JOYSTICKS	OCT	1982	112
ENHANCED RACING ANALYSIS PACKAGE	JUL	1986	167
ENHANCER 6.0	MAY	1986	207
ENHANCER, THE	FEB	1985	
ENTERTAINER, THE	DEC	1988	140
EPROM PROGRAMMER	JUL	1983	70
EPSON INTERFACE	JUN	1983	88

ERLAND	NOV		-
ERNIE'S MAGIC SHAPES	SEP		
ESCAPE	NOV		66
ESCAPE FROM DENNA	FEB		
ESPIONAGE ISLAND	JUN		_
ESTIMATE	JUN		_
ETT-ELECTRONIC TYPING TEACHER	JUL		
EUCHRE	FEB		
EVASION  EVEN VONE LG CHIEFE HO DAGIG	NOV		
EVERYONE'S GUIDE TO BASIC	JUL		
EXECCART EXERCISE PLANNER	MAY JUL		250 26
EXERCISE PLANNER EXPANSION INTERFACE	JAN		
EXTENDED ADOS-3	OCT		92
EZ CASSETTE ENCRYPT AND EZ DISK ENCRYPT	OCT		
EZ PROFILER	OCT		
EZGEN	NOV		
EZWRITER	JUL		
F-16 FLIGHT SIMULATOR	JAN		
FACE	JAN		_
FACTORS TUTOR	MAY		
FAMILY	SEP		
FANGMAN	NOV		
FANTASY GAMER'S PACKAGE	AUG		40
FAST FILE/BIG FILE	MAR		_
FAST FOOD MATH	SEP		
FAST FORMATTER	JUL		
FAST LANE	SEP		
FASTAPE	JUL		
FASTDUPE	MAY		
FEDERATION BOOT CAMP	DEC		
FEMBOT'S REVENGE	JAN	1984	237
FEUER AND GASSE	JUL	1985	204
FH FLEX	OCT	1982	64
FHL FLEX	JUL	1983	240
FICA-83	FEB	1984	278
FIGHTER PILOT	FEB	1986	200
FILE CABINET	APR	1983	134
FILE CABINET	SEP	1984	198
FILE SYSTEM REPACK	JAN	1990	95
FILE TWO	MAY	1985	211
FILE64	AUG	1985	214
FILEBOX 16	MAR	1984	276
FILESAFE	APR	1987	145
FILMASTR	JUL	1983	231
FINAL COUNTDOWN	DEC	1984	212
FINAL COUNTDOWN	MAR		90
FINANCE-5	APR	1984	274
FINANCIAL TIME CONVERSIONS	JAN		
FIRECOPTER	AUG		
FIRST GAMES	NOV		
FIRST SAMPLER	OCT		
FIVE EXCITING GAMES	FEB		
FKEYS III	APR		
FLASH CARD DRILL	NOV		
FLASH CARDS	DEC		
FLASH CARDS	JAN		
FLASHCARD REVIEW	JUL		
FLEX REVISITED	JAN		
FLEXI FILER	NOV		
FLIGHT	FEB		182
FLIGHT FROM GRINDAR	MAY	1984	260

FLIGHT SIMULATOR II	AUG	1988	
FLIGHT SIMULATOR SCENERY DISKS	JAN	1989	124
FLIGHTSIM I	APR	1988	135
FLIP SIDE	FEB	1985	192
FLOPPICLENE	FEB	1985	
FLOPPY FILER FLYING TIGERS	JUN	1989	132 208
FONT SHOP, THE	AUG JAN	1984 1986	199
FONTGEN	MAY	1989	128
FOODS II	SEP	1989	98
FOODWAR	MAY	1984	
FOOTBALL II	MAR	1989	120
FOOTBALL STATISTICS PACKAGE	OCT	1985	204
FOOTBALL!	JUN	1982	23
FORMAKER	MAY	1986	208
FORTHO9	MAR	1990	100
FOURCUBE	MAY	1987	139
FOXYGRAF	FEB	1983	84
FRACTION MATH QUIZ	JUL	1983	167
FRACTIONS AND PERCENTS	AUG	1984	228
FRACTIONS TUTOR	JUN	1984	270
FRANCHISE!	SEP	1985	202
FRAZE CRAZE	AUG	1988	128
FREEFORM	DEC	1984	198
FRENCH PACKAGE	JUN	1986	168
FROG MAN	DEC	1982	173
FROG TREK	MAR	1983	
FROG, THE	JUL	1983	
FROGDAY AFTERNOON	FEB	1989	136
FROGGIE	JUL	1984	
FULL CHARACTER SET BOARD	SEP	1985	
FULL SCREEN EDITOR	NOV	1984	
FULL SCREEN EDITOR & VARISAVE	APR	1987	
FUNCTION GRAPHING MODULE	JUL	1983	16
FUNDFILE	NOV	1983	
FUNDFILE ENHANCED	JUN	1984	232
FUNDGRAF	JAN	1983	187
FUNDGRAF FUNHOUSE	NOV	1985 1984	206
FURY	JUL OCT	1983	256
	JUN	1985	192
GALACTIC FIGHTER GALACTIC TAIPAN	MAY	1984	264
GALAGON	MAR	1984	238
GALAX ATTAX	SEP	1982	90
GALLOPING GAMBLERS	JAN	1982	20
GAME PAK 2	JAN	1983	163
GAME SHOW	JAN	1983	174
GAME WRITER	DEC	1982	84
GANGBUSTERS	DEC	1982	161
GANTELET	FEB	1987	135
GAPHICOM JOYSTICK	FEB	1985	221
GAT BACKUP	MAR	1989	113
GATES OF DELIRIUM	OCT	1987	136
GATOR ZONE	FEB	1981	8
GAUNTLET	FEB	1982	18
GAZON	APR	1983	240
GCS FILE TRANSFER UTILITIES	DEC	1988	130
GEMINI-10X	JUN	1984	265
GEMINI 10/15	JUN	1983	109
GEOGRAPHY PACK	SEP	1982	49
GEOGRAPHY USA	MAR	1986	206
GHANA BANANA	JAN	1986	207

GHOSTHUNTERS	APR	1989	136
GHOSTMANIA	MAR	1983	116
GIRDLE THE ENEMY	JUN		
GLAXXONS	JAN		
GOLD FINDER	MAY		
GOLD PLUG 80	JUL	1984	
GOLD RUNNER	MAR		
GOLDKEYS	DEC	1985	
GOLF (ARDVARK)	NOV		
GOLF (MIX)	NOV		
GOLF HANDICAPS	AUG	1985	
GOMOKU/RENJU	DEC		
GOOD GAMES TRIO	JAN		
GORILLA GNITTOR	FEB NOV	1984 1983	
GORILLA ONITOR GRABBER	MAY		
GRAFFIND	APR	1988	
GRAFIX-3	APR		
GRAFPLOT	JUL	1983	
GRAFPLOT	JUN		
GRAND PRIX	MAR	1985	
GRAND SLAM	NOV	1983	
GRAPH-16/32	DEC	1982	75
GRAPH IT	SEP	1984	_
GRAPH ZAPPER	DEC	1982	
GRAPHIC COMPRESSION UTILITY	DEC	1984	
GRAPHIC ECHO	OCT	1986	
GRAPHIC MASTER	FEB	1985	231
GRAPHIC MATH ADVENTURE ENHANCED	APR	1985	221
GRAPHIC PHYSICS	SEP	1985	211
GRAPHICOM	APR	1984	225
GRAPHICOM II	NOV	1985	209
GRAPHICS-25	SEP	1988	131
GRAY LADY	NOV	1984	219
GREAT HAMSTER HUNT, THE	FEB	1984	236
GREAT USA, THE	MAR	1984	234
GREAT WORD GAME, THE	MAY		_
GRIDIRON	AUG	1987	
GROBOT		1984	
GROVER'S NUMBER ROVER	APR		
GSPR	MAY		
GTRM	DEC		
GUARDIAN	NOV		
GUESS THE ANIMAL	JAN		
GUIDE TO COCO 3 BASICS AND GRAPHICS, A	JUL	1987	
GUIDE TO COMPUTER MAGAZINES GUIDE TO FOOD CONTENTS, A	OCT MAY		
GUIDE TO SUPER SOFTWARE FOR THE TRS-80 COLOR COMPUTER	SEP	1985	
GUIDEBOOK FOR WINNING ADVENTURES, THE	FEB	1987	
GUNFIGHTER, THE	AUG	1984	
HALL OF THE KING	JUN		
HALL OF THE KING II	SEP	1986	
HALL OF THE KING III	NOV		
HALL OF THE KING TRILOGY	DEC		
HANDS ON	NOV		
HANDYCODE	AUG	1985	
HAPY BIRTHDAY MR. GIFT	DEC	1984	
HARD DISK ORGANIZER	NOV		
HARD DRIVE UTILITIES	JUN	1989	
HARD DRIVE ZAP	JUL	1989	115
HARDCOPY	OCT	1985	218
HARNESS/THOROUGHBRED HANDICAPPER	APR	1984	240

HAWKSOFT'S KEYBOARD EXTENDER	MAY	1989	118
HAYES MACH II JOYSTICK	NOV	1984	244
HD-1	AUG	1989	94
HEALTH PROGRAMS	JUN	1986	164
HEBREW BULLETIN BOARD	JUN	1983	180
HELLO/BAS	OCT	1988	125
HERE COMES DO PREZ	JUN	1984	222
HEROES AND TROLLS	DEC	1984	215
HEWLETT-PACKARD LASERJET PRINTER	JUL	1985	224
HI-RES III	NOV	1987	133
HI-RES+	JAN	1986	195
HIDDEN BASIC 1.0	SEP	1983	214
HIDE-A-BASIC	DEC	1984	200
HIGH RESOLUTION JOYSTICK INTERFACE - (CORRECTION)	NOV	1987	116
HIGH RESOLUTION JOYSTICK INTERFACE	OCT	1987	130
HIGH RESOLUTION PICTURE PUZZLE	JAN	1985	196
HJL-57 KEYBOARD	OCT	1983	234
HOME BINGO	OCT	1988	129
HOME BUYER'S ANALYSER	MAR	1983	52
HOME INTEREST CALCULATOR	JUL	1983	50
HOME MONEY MANAGER	JUL	1983	42
HOME PUBLISHER	JUL	1988	122
HOMEBASE	MAR	1983	36
HOMEBASE	MAR	1984	268
HOMEWARE	JUL	1986	169
HORSE SENSE	JAN	1989	130
HOUSE DOC	MAR	1986	202
HOUSEHOLD BUDGET WORKSHEET	SEP	1983	287
HOUSEHOLD EXPENSE MANAGER	DEC	1982	
HOW TO USE YOUR RADIO SHACK PRINTER	MAY	1985	
HOWARD MEDICAL TV STAND	SEP	1984	199
HUMBUG	MAY	1982	28
HUMBUG	SEP	1983	110
HYPER-I/O	JUL	1988	130
HYPERZONE	MAR		
I CHING	MAR		
ICE BIRD	AUG	1984	
ICE HOCKEY	DEC	1984	
ICE MASTER	FEB	1984	217
ILLUSTRATED COMPUTER DICTIONARY	SEP		
IN ASSEMBLY LANGUAGE	DEC		
IN QUEST OF THE STAR LORD	AUG	1988	
INDEXER	SEP	1983	
INDIANA JIM	MAY		
INFOMANIA: THE GUIDE TO ESSENTIAL ELECTRONIC SERVICES	JUL	1986	
INSIDE INFORMATION (BOOK)	DEC		
INSIGHTS INTO PERSONAL COMPUTERS (BOOK)	JAN		
INSIMB	JUN		
INSPECTOR CLUESEAU	MAR		
INTBASIC	DEC		
INTERBANK INCIDENT	MAR		
INTERCEPT 4	SEP	1984	
INTERGALACTIC FORCE	DEC	1982	
INTRODUCTION TO COMPUTER MATH (BOOK)	MAY		
INTRODUCTION TO DATA COMMUNICATIONS	JUL	1983	
INTRODUCTORY SPANISH COURSES	APR		
INVADER'S REVENGE	NOV		114
INVADERS	FEB	1982	17
INVENTORY CONTROL	SEP	1982	
INVENTORY MANAGER	DEC		
INVENTORY MANAGER	OCT		
INVESTIGATIONS IN INTEGRAL CIRCUITS	APR		
	-11 1		

INVESTOR, THE	MAY	1984	
IRA ANALYSIS	NOV	1987	130
IRON CROSS: WAR IN RUSSIA	JAN	1988	131
IRON FOREST IRONSIDES AND CRIMSON SAILS	DEC APR	1988 1989	126 138
ISLAND ADVENTURE	JAN	1986	192
ISLE OF FORTUNE	JAN	1984	262
J-CAT MODEM	JUN	1984	261
JACK RABBIT	DEC	1989	94
JAIL	JAN	1984	261
JARB JOYSTICK	AUG	1982	25
JARB MEMORY KIT	DEC	1982	92
JARBCODE	AUG	1981	5
JDK KALENDS	MAY	1985	214
JFD-COCO DISK SYSTEM	APR	1984	230
JOHNSON UTILITY PACKAGES	OCT	1984	
JOWST	FEB	1984	
JOYSTICK LED KIT	FEB	1983 1987	36 134
JRAMR JUDE	JUN DEC	1983	
JUGGLE'S RAINBOW	MAY	1985	
JUMPS	JAN	1983	
JUNGLE QUEEN	JAN	1985	226
JUNGLE TREK	SEP	1982	43
JUNIOR'S REVENGE	JAN	1984	240
JUNIOR TYPER	JUL	1985	206
K-BASIC	OCT	1984	226
KALEIDOPHONE	OCT	1983	
KAMELEON	SEP	1986	133
KAMELION	MAR	1987	
KAMIKAZE	APR	1983	42
KANSAS CITY BASIC	FEB	1986	_
KARATE KATERPILLAR	SEP JUL	1986 1982	145 41
KCAL	JUN	1982	129
KDSK3	JAN	1989	121
KEEP-TRAK	MAR	1987	142
KEEP-TRAK	SEP	1984	222
KEEP-TRAK VERSION 1.2	APR	1985	196
KEEP TEXT II	JUN	1984	264
KEY-264K	FEB	1984	260
KEY-WIZ	JAN	1985	
KEY TRONIC KEYBOARD	JAN	1985	
KEYBOARD	MAR	1984	_
KEYBOARD BEEPER CARTRIDGE	MAR	1984	
KEYBOARD COMMANDER	NOV OCT	1988	135
KEYS TO THE WIZARD KID'S CHOICE	JUN	1982 1984	63 240
KING'S QUEST III	AUG	1989	90
KING AUTHOR'S TALES	OCT	1984	
KINGDOM OF BASHAM	NOV	1984	
KINGSHIELD	APR	1984	
KJV ON DISK	MAY	1989	
KLENDATHU	AUG	1983	295
KLICKER	JUL	1985	
KNOCK OUT	APR	1986	
KODOMO-NO-GO	AUG	1983	94
KORONIS RIFT	AUG	1987	136
KOSMIC KAMAKAZE	DEC	1981	11
KRON	FEB	1984	270
KUNG-FU DUDE KYUM-GAI: TO BE NINJA	FEB DEC	1988 1989	129 92
NION GAI. TO DE NINGA	DEC	<b>1303</b>	34

L1+L2 UTILITY PAK	MAR		
LABEL DESIGNER	MAY		66
LABEL III LABEL MAKER	NOV		
LABEL64	JAN NOV		
LABYRINTH	MAY		
LABYRINTH	SEP		
LANCER	AUG		
LANDER	AUG	1982	37
LANGUAGE ARTS SOFTWARE	MAR	1987	146
LANSFORD MANSION, THE	NOV	1987	132
LAS VEGAS WEEKEND	FEB	1983	100
LASER SURGEON: THE MICROSCOPE MISSION	MAY	1988	
LASER TANK	JAN		
LASER TANK DUEL	DEC		
LATIN TRANSLATOR	NOV		
LCINT	SEP JUN		
LEARNING COMPANY SOFTWARE, THE LEARNING GAMES	NOV		
LEDGER ONE	SEP		
LEGEND QUEST	DEC		
LEISURE SUIT LARRY	OCT		
LEM, PIRATE ADVENTURE, DARTS	JUL	1982	8
LEO	NOV	1986	145
LEONARDO'S PAINTBOX	MAR	1989	124
LEONARDO'S PENCIL	OCT	1987	
LESSON PLANNER	SEP		
LIBRARY 2	JUL		
LIBRARY I	APR		
LIGHT PEN	APR		
LIGHT PEN FUN-PAK LIGHT PEN, THE	FEB JAN	1983 1984	
LINE CROSS REFERENCE	NOV	1983	
LINE EDITOR	JUN		
LINER	JUN		
LISSAJOUS ART	OCT		
LISTAID	JUL	1986	165
LISTER	NOV	1986	139
LITTLE LETTERS	DEC	1986	144
LIZPAC	MAR	1985	212
LLIST-RITE	APR	1983	204
LOCK MASTER	AUG	1989	93
LOCKING DISKETTE STORAGE SYSTEM	SEP	1984	
LOCKOUT	JUN	1987	
LOGO LOGO STARTER	DEC DEC	1982 1984	88 208
LOT-PRO	MAY		
LOTTERY PLAYER, THE	FEB	1987	
LOTTO	JAN		
LOTZALUK	NOV	1987	
LOWERKIT, LCA-47	JUN	1982	62
LOWRCASE	DEC	1983	262
LUNAR ROVER PATROL	JUN	1984	
LYRA	DEC		
LYRA 2.62	NOV	1989	
LYRA COMPANION, THE	NOV	1989	
LYRA LYBRARY, THE	DEC MAY	1988 1990	133 68
LYRA>>TRAX<< M-MENU SYSTEM	APR	1990	99
MACPLAY	FEB	1989	126
MACRO 80C	OCT		30
MACRO ASSEMBLER	OCT		30

MADAM ROSA'S PARLOR	NOV	1982	66
MADNESS AND THE MINOTAUR	AUG	1983	
MAESTRO	FEB	1989	127
MAGAZINE INDEX SYSTEM	DEC	1985	224
MAGIC BOX, THE	AUG	1985	216
MAGIC LESSONS	SEP	1985	211
MAGIC OF ZANTH, THE	MAR	1987	140
MAGIGRAPH	APR	1984	222
MAGNAVOX RGB MONITOR 80	AUG	1987	140
MAILING LIST	DEC	1983	256
MAILING LIST/DATA INFORMATION	AUG	1986	149
MAJOR ISTAR	MAY	1985	218
MANSION OF DOOM	FEB	1984	230
MAP 'N ZAP	JAN	1987	148
MAPPER	JUL	1987	132
MARBLE MAZE	MAR	1986	197
MAROONED	FEB	1986	196
MARS ADVENTURE	AUG	1982	
MASTER CONTROL	NOV		
MASTER CONTROL II	OCT		
MASTER DESIGN	JUL	1984	
MASTER DISK	AUG	1986	
MASTER DISK	FEB	1988	
MASTER DISK SYSTEM	FEB	1983	
MASTER SCOREBOARD	JUL	1985	
MASTERDIR	OCT		
MASTERFILE	NOV		
	JAN		
MASTERMAIL MATCH-IT	MAR		
MATTH ADVENTURE	SEP	1983	
MATH ADVENTURE	OCT	1983	
MATH CAMES	SEP	1982	20
MATH GAMES	SEP	1988	
MATH GAMES THAT TEACH	SEP	1983	_
MATH INVASION	MAY		
MATH MISSION	JUN		
MATH TUTOR	MAY	1989	111
MATH TUTOR/SPELLING TEACHER	SEP	1982	91
MATHFACT		1983	
MATHFUN	AUG	1985	200
MATHMENU	SEP	1983	179
MATHPAC I	SEP	1982	70
MATHPACK	SEP	1986	132
MATHWAR	AUG	1983	24
MAX-10	JAN	1989	118
MAX FONTS	OCT	1986	144
MAXSOUND	JUN	1988	126
MAZE RACE	FEB	1983	168
MAZE RUNNER	APR	1985	217
MC-1	OCT	1989	97
MC-10 MICROCOMPUTER	AUG	1983	174
MCCOCO'S MENU	JUL	1983	300
MDISK	MAY	1984	274
ME-128-64 128K UPGRADE	JUN	1985	211
MEDIC	JAN	1986	209
MEGABUG	FEB	1983	158
MEGAMUNK	FEB	1985	200
MEMO MINDER	JUL	1984	222
MEMODATA	JUL	1985	209
MEMORY	APR	1989	132
MEMORY DUMP/PATCH	JUN	1984	272
MEMORY GAME, THE	OCT	1986	146

MEMORY MANAGER	OCT	1986	139
MEMORY MASTER	SEP	1989	96
MEMORY MINDER	SEP	1986	
MENU MAKER	APR	1986	_
MENU MAKER	SEP	1989	100
MERGE 'N MAIL	OCT	1985	
METABOT	JUN	1985	-
METRIC MIND	AUG	1985	
MICKEY'S SPACE ADVENTURE	JAN	1988	
MICRO-DOC	MAR	1983	
MICRO-GRIP V	MAY	1985	
MICRO FIRE	OCT	1986	
MICRO ILLUSTRATOR	MAR	1986	
MICRO SCRIPT	DEC	1982	156
MICROARTIST	DEC	1985	
MICRODIS	APR	1984	
MICROMON	JUN	1984	
MICRONIX PREMIUM KEYBOARD	FEB	1984	
MICROWORKS RAM UPGRADE	SEP	1981	19
MIDDLE KINGDOM	DEC	1984	
MIKEYDIAL	DEC	1986	_
MILESTONES	NOV	1989	
MILLBORN MINE DEGGLE	FEB	1983	159
MINE RESCUE	JAN	1989	123
MINEFIELD	MAR	1983	124
MINER	NOV	1984	_
MINI DATABASE	AUG	1988 1987	
MINIDOS9 MISCELLANEOUS WRITINGS	FEB JAN	1987	
MISSILE BARRAGE	JAN	1983	
MISSILE MATH	AUG	1985	213
MISSION F-16 ASSAULT	OCT	1986	136
MISSION: EMPIRE	SEP	1982	88
MJK-DOS	JAN	1989	120
ML RABBIT	MAR	1982	37
MLBASIC	DEC	1987	_
MLBASIC	MAY	1985	209
MM-100 MANUAL MINI MODEM	FEB	1984	232
MODEM I		1982	_
MODEM PAK (RADIO SHACK)	AUG	1986	
MONEY	JAN	1983	
MONEY MANAGER	JAN	1984	
MONEY MATH	JUN	1986	
MONEY MINDER II	APR	1982	35
MONEYMAN II	DEC	1988	136
MONEYOPOLY	FEB	1986	207
MONEYPAK	JUL	1983	300
MONSTERS & MAGIC	JUN	1983	222
MOON-RUNNER	OCT	1988	112
MOON LANDER	MAR	1982	27
MOPTOWN	JAN	1983	183
MOPTOWN HOTEL	SEP	1983	242
MOPTOWN PARADE	MAR	1984	236
MORE BEEF	JUL	1984	214
MORE BUSINESS	APR	1984	262
MORE KEYS	SEP	1985	221
MOROCCO GRAN PRIX	JUL	1983	222
MORSE CODE TUTOR/TRAINER	JUN	1984	250
MORSER	JAN	1986	204
MOTORBIKE CHALLENGE	OCT	1983	250
MOUSE	OCT	1983	250
MOUSE TOP	JAN	1987	140

MPI-COCO LOCKING PLATE	SEP	1988	
MPP TUTORIAL	JUL	1982	64
MR. COREY	JUL	1988	
MR. DIG	NOV		
MS. MAZE	FEB	1985	
MS. NIBBLER	MAR	1983	
MSI-DISK UTIL	JUL	1984	_
MSI COLOR CALENDAR	AUG	1984	
MT DOOM	FEB	1984	
MUDPIES!	APR	1984	
MUL-T-SCREEN	JUL	1984	
MULTI-LABEL III	JUL	1987	
MULTI-MENU MULTI-PAK EXTENDER CABLE	SEP MAY	1988 1985	
MULTI-PAK EXTENDER CABLE MULTI-PAK INTERFACE	SEP	1983	80
MULTIPLE CHOICE TEST	AUG	1985	
MULTIPROGRAM MANAGER	APR	1985	
MUSIC	JUL	1982	39
MUSIC BOX	JUN		
MUSIC DRILL	SEP	1983	
MUSIC LIBRARIES	FEB	1987	
MUSIC LIBRARY 100	NOV		
MUSIC LIBRARY 200 AND 300	MAR	1985	
MUSIC READER, THE	MAY		
MUSIC STRINGER	SEP	1984	
MUSICA	MAR	1984	
MUSICA 2	DEC	1984	
MUSX	APR	1985	
MUTANT MINERS	JUL	1989	
MY ARTIST	OCT	1987	131
MYDOS	JUN	1987	144
MYSTERY MAZE	JUL	1982	49
NAME THAT SONG	MAY	1982	42
NAUGUS	NOV	1985	196
NERBLE FORCE	AUG	1983	265
NEW TALK	JUN	1982	11
NEWBASIC	OCT	1984	221
NEWERROR	APR	1984	268
NEWSPAPER PLUS	JUL	1989	112
NIBBLER	MAR	1983	223
NIGHT OF THE LIVING DEAD	OCT	1988	110
NINE-DIGIT CALCULATOR	JUL	1989	119
NINE-TIMES	AUG	1989	98
NINJA WARRIOR	SEP	1983	156
NO-STAT II	NOV	1985	
NOMAD	DEC	1984	
NOTES	JUL	1989	
NUMBER-KRUNCHER	MAY	1984	
NUMBER AND COLOR WORLDS	FEB	1985	-
NUMBER MATCH	SEP	1983	
NUMBERJACK	JUN	1986	
NUTRIGUIDE	OCT	1985	
O.S.I.T.E. FILE, THE	NOV	1989	102
OCKYWOKY	APR	1984	272
OFFENDERS	NOV	1982	52
OKI DUMP	DEC	1984	206
OKIDATA'S ML-92	OCT	1983	227
OLD MCDONALDS FARM VOWELS	SEP	1983	170
OLK DISK EXTENDED COLOR BASIC	APR MAD	1984	282 223
OMEGA FILE OMNI UTILITY	MAR JUL	1985 1989	
OMNI UTILITY OMNI UTILITY 2.0	JUN	1989	68
OMIT CITHIII 2.V	OUN	1990	00

OMNIVERSE	MAR	1986	184
ONE-ON-ONE	MAY	1986	197
OPTION 1	JAN	1985	198
OPTION 4	JUN	1984	248
ORACLE II	APR	1984	280
ORC AMBUSH	MAY	1989	114
ORCHESTRA-90/CC	MAR	1986	189
ORDER ENTRY SYSTEM	FEB	1984	
OS-9 CALLIGRAPHER	FEB	1986	206
OS-9 DEVELOPMENT SYSTEM	MAY	1988	132
OS-9 DISK FIX AND UTILITIES	OCT	1984	218
OS-9 HI-RES SCREEN DUMP	OCT	1985	220
OS-9 LEVEL II	MAY	1987	
OS-9 LEVEL II BBS	NOV	1988	130
OS-9 PASCAL 2.0	DEC	1989	100
OS-9 RAMDISK DRIVER	DEC	1985	
OS-9 SOLUTION	SEP	1985	
OS-9 UTILITIES	SEP	1986	
OS-9 VERSION 2.00	JUL	1986	166
OTERM	JUL	1986	148
OWL'S EYE PILOT LIGHT	MAR	1984	252
OWL-WARE'S HARD DRIVE	APR	1990	98
P51 MUSTANG ATTACK FLIGHT STIMULATOR	JUN	1985	222
PAC ATTACK	MAR	1982	37
PAC DROIDS	NOV	1982	49
PACKER	DEC	1986	139
PAGEPLUS  PAGEP (CAN DOOR	MAR	1984	259
PAGER/64K BOOT	FEB	1984	
PAINTPOT	MAY	1985	225
PAK-PANIC	JAN	1985	216 138
PAL SWITCHER  DALADING LEGACY	JUN	1987 1990	136 74
PALADIN'S LEGACY PANIC	JUN JAN	1986	202
PANIC BUTTON	APR	1986	202
PANIC BUTTON	FEB	1984	230
PANOSTYK	APR	1983	214
PANZERS EAST	JUN	1985	213
PAPER PORTER	JUN	1982	54
PAPER ROUTE	NOV		
PAPER TRACTOR	MAY		
PATTIPAK	DEC	1984	
PAUSE CONTROL SWITCH	MAR	1985	_
PAYROL/BAS	MAY	1986	
PAYROLL	MAR	1984	
PAYUP AND PAYOUT	OCT	1983	244
PBH-64 PRINT BUFFER	NOV	1986	144
PBH SERIAL INTERFACE	JUN	1984	
PBJ 2SP PAK	MAR	1985	
PEANUT BUTTER PANIC	JAN		
PEEPER, THE	FEB	1985	
PEGASUS	MAY	1986	
PENINSULAR WAR	SEP	1989	
PENPAL	APR	1986	
PENPAL	AUG	1986	194
PENPAL	SEP	1986	188
PERPETULIFE	APR	1986	211
PERSONAL BOOKKEEPING 2000	OCT	1985	195
PERSONAL BOOKKEEPING 84	NOV	1984	214
PERSONAL FINANCE SYSTEM	AUG	1985	203
PETSTORE	OCT	1985	202
PHANTOMGRAPH	APR	1988	135
PHONEBOOK	NOV	1987	136

PHONICS FUN	JAN	1990	99
PHONICS I	SEP	1983	246
PHONICS II	MAR	1984	242
PIA AND EXTENDER BOARDS	JAN	1989	130
PICK WHICH	SEP	1983	164
PICTURE PUZZLES	APR	1989	137
PIE CHART	JUN	1984	263
PIE ZAPPER	OCT	1983	272
PIGSKIN PREDICTIONS	NOV	1983	258
PIGSKIN PREDICTIONS	OCT	1982	102
PILGRIM'S PROGREE	NOV	1984	213
PINBALL	JAN	1983	158
PINBALL FACTORY	AUG	1986	134
PIRATECTOR	NOV	1984	234
PIXGEN	FEB	1986	208
PLANEGEO AND PGCALPRT	APR	1986	190
PLANET CONQUEST	MAR	1984	222
PLANET INVASION	JUL	1983	223
PLANET INVASION	NOV	1982	52
PLATEAU OF THE PAST	SEP	1986	139
PLAY WITH LANGUAGE	JAN	1985	223
POKER	OCT	1982	12
POKER AND PO-CHECK	OCT	1984	204
POKES, PEEKS AND EXECS (BOOK)	FEB	1989	126
POLTERGEIST	FEB	1983	82
POLYTINT	OCT	1987	132
POND, THE	DEC	1984	203
PONY EXPRESS 24A MODEM	JAN	1987	148
PORTRAITS OF CHRIST	AUG	1986	
POWER STONES OF ARD	AUG	1988	134
PP COLOR DUMP	FEB	1985	194
PRACTICAL PROGRAMMING IN PASCAL	AUG	1985	192
PREDATOR	JUN	1990	76
PREREAD PACKAGE	MAR	1983	172
PREREADER	JAN	1984	288
PRESCHOOL PACKS 1,2,3	APR	1983	
PRESCHOOL PAK	MAR	1985	211
PRESCHOOL PAK	SEP	1982	70
PRESIDENTIAL DECISIONS OF GEORGE WASHINGTON, THE	APR	1987	147
PRESIDENTS OF THE UNITED STATES	SEP		
PRETTY PRINTER	JUN	1984	
PRIMARY NUMBER SKILLS	MAY		
PRINT MASTER	OCT		
PRINT SPOOLER	AUG	1987	
PRINTED CIRCUIT EXPANSION BOARDS	JAN		
PRINTER'S DEVIL	OCT		
PRINTER DRIVERS	MAY	1989	
PRINTER LIGHTNING	MAR	1988	
PRINTER MUFFLER 80	NOV		
PRINTER STAND	JAN		
PRITTY PRINTER	DEC		
PRO-COLOR-FILE	JUN		
PRO-COLOR-FILE ENHANCED VERSION 2.0	APR	1985	
PRO-COLOR FILE	JUN	1983	
PRO-LOC	OCT	1984	
PRO GOLF	MAY		
PROBALOTO	OCT	1985	
PROBALOTO VERSION 2.0	NOV		143
PROFESSIONAL KEYBOARD	MAR		20
PROFESSOR PRESSNOTE'S MUSIC MACHINE	OCT		
PROGRAM FILE	OCT		
PROGRAMMER'S SKETCH PAD	JUL		

PROGRAMMER'S WORKSHEET	APR	1984	264
PROGRAMMERS TOOLKIT	JAN	1984	228
PROTECTOR	NOV	1985	202
PROTECTORS	NOV	1982	52
PSYCHO I	SEP	1986	138
PT. FILE MANAGER PUMP MAN	MAY	1990 1986	73 134
PUMPKIN ADVENTURE	OCT	1982	28
PUZZLE MATH	FEB	1987	_
PUZZLER	MAR	1986	190
PYRAMIX	DEC	1987	
Q-MAN	APR	1984	254
QTAX-82	JAN	1983	180
QUAD DATA BASE	OCT	1982	110
QUE BIT	JUL	1985	200
QUEST	APR	1982	25
QUEST FOR REALITY, THE	NOV	1986	150
QUEST FOR THE RING	OCT	1988	128
QUESTION AND ANSWER	MAY	1984	244
QUICKSORT	NOV	1983	283
QUIKPRO+II	DEC	1987	
QUIX	DEC	1984	_
QUIZ ALL	JUN	1984	_
QUIZ KIDS	MAY	1985	205
QUIZSPIN	NOV	1984	
QUOTES	APR	1987	137
R.S.BREAL BASIC UNDER OS-9	MAR	1989	110
RAD WARRIOR	FEB	1989	134
RADIOLOG	MAY	1986	209
RAIL RUNNER	DEC	1982	173
RAINBOW'S CORNER	JAN	1984 1983	246 230
RAINBOW WRITER RAM CHECKER	OCT	1983	203
RAM DISK - (CORRECTION)	FEB	1988	203 14
RAM SLAM	SEP	1982	88
RAMDISK	JAN	1988	138
RAMDOS	JAN	1985	212
RANDOM BASIC	JUN	1984	224
RANDOM BASIC	SEP		
RAT, THE	MAY	1988	137
REACTOID	NOV	1983	282
READING TWO-PAK	SEP	1982	17
REAL TALKER	JUL	1984	205
RECALL	APR	1984	251
RECESS GAMES	JUN	1985	208
RECIPE FILE	NOV	1982	72
RED BARON	JUN	1982	17
REMBRANDT	MAR	1985	226
REMOTE RESET	NOV	1983	
REMOTE TERMINAL DRIVER	JUL	1984	
REMOTERM	MAR	1983	
REMUSIC 1.0	MAY		
REPEAT KEY	JUN	1984	
RESCUE ON ALPHA II	MAY		
RESCUE ON FRACTALUS	NOV	1987	
RETIREMENT PLANNING MODEL	JUL	1984	
RETURN OF JUNIOR'S REVENGE, THE	MAY	1987	135
RETURN OF THE JET-I REVENGE OF THE GERMS	APR MAY	1984 1989	266 116
REVENGE OF THE GERMS REVENGE OF THE MUTANT MINERS	SEP	1989	94
REVERSI	DEC	1982	173
REVOLUTION	MAR	1983	138
<del></del>			

RGB PATCH	JUL	1987	
RICKEYTERM	SEP	1987	130
RIDDLE OF THE RING	MAY	1990	67 125
RIVER CROSSING ROBOCOP	MAR MAY	1987 1990	135 72
ROBOT BASIC	JUL	1985	208
ROBOT BATTLE	APR	1983	140
ROBOT ODYSSEY	FEB	1988	131
ROBOTTACK	JUL	1983	233
ROCKY'S BOOTS	APR	1987	135
ROLLER CONTROLLER	MAY	1987	150
ROMAN CHECKERS	NOV	1982	55
ROMAN NUMERALS	FEB	1984	222
ROML	FEB	1983	197
ROMMEL 3-D	AUG	1986	138
ROOTS	AUG	1989	98
RORKE'S DRIFT	FEB	1990	106
RS-232 EXPANSION CABLE	JUL	1982	47
RS-232 SWITCHER	AUG	1984	228
RS-232 SWITCHER	AUG	1988	135
RS-232 SWITCHER RS232 SWITCHER	JAN	1986 1982	210 89
RS232IO	NOV OCT	1985	212
RUBICONII	FEB	1984	264
RULES OF WRITING	APR	1987	142
RUNCALC	OCT	1982	113
RUPERT RYTHYM	APR	1989	140
RUSTLER	JUN	1989	131
S-SCREEN CONTROL	JUN	1990	72
S.E.C.S.	SEP	1981	16
s.o.s.	MAY	1986	200
SAC	MAY	1984	216
SAILOR MAN, THE	MAR	1985	210
SALVDISK	AUG	1986	137
SAM SAVER	NOV	1982	58
SAM SLEUTH P.I.	JUN	1985	201
SASPUS	AUG	1982	25
SAV-A-BYTE	DEC	1983	243
SBASIC SC68008 RAMDISK	JUN MAR	1985 1987	
SCAN AND RESTORIT	OCT	1987	134
SCATTERBRAIN	JUL	1984	
SCAVENGE HUNT	MAR	1984	
SCEPTER OF KZJRGIA	MAY	1982	15
SCEPTER OR URSEA	DEC	1985	
SCHEMATIC DRAFTING PROCESSOR	JAN	1984	282
SCHOOL DAYS	SEP	1985	221
SCHOOL MAZE	AUG	1982	53
SCORE-EZ	OCT	1983	245
SCRAMBLE	JUL	1983	43
SCRDMP10	JUN		
SCREEN DUMP UTILITY FOR EPSON-TYPE PRINTERS	FEB	1986	
SCREEN INVERTER	SEP	1985	
SCREEN MACHINE	APR	1984	
SCREEN REFERENCE CARD	FEB	1984	
SCREEN STAR/OS-9 TEXT FORMATTER	OCT MAR	1987 1985	
SCREEN+ SCREENPRINT	AUG	1985	
SDOS	MAR	1986	200
SDS80C	SEP	1981	200 7
SEA DRAGON	SEP	1983	282
SEA QUEST	MAY	1984	247
<del>-</del>			

SECA COUPON FILER	JUN	1987	139
SECA FRACTION REVIEW, THE	MAY	1987	136
SECTOR INSPECTOR, THE	AUG	1984	220
SECURITY PROJECTS FOR THE TRS-80 COCO (BOOK)	JAN	1989	129
SEIKOSHA SP-1000A PRINTER SEMI-DRAW	OCT DEC	1986 1982	148 144
SEMIGRAF	JUL	1982	237
SEMIGRAPHICS SUPPORT	JAN	1985	228
SEMIGRAPHICS SUPPORT UTILITY	JUN	1986	163
SERIAL/PARALLEL CONVERTER	NOV	1981	5
SHADOW WORLD	OCT	1988	116
SHAFT	JUL	1984	223
SHAMUS	JUN	1985	212
SHANGHAI	MAR	1988	138
SHARK TREASURE	APR	1983	144
SHENANIGANS	JUN	1984	226
SHOCKTROOPER	JUL	1986	157
SHRINK	AUG	1984	216
SHRINX	MAR	1985	221
SIDE WISE	MAY	1985	221
SIDE WISE OS9	APR	1986	212
SIGMAWORD	MAY	1987	
SIGMON	AUG	1981	6
SILLY SYNTAX	FEB	1982	21
SIMON	JUL	1985	210
SIMPLY BETTER	APR	1989	134
SIMPLY BETTER 2.0	FEB	1990	102
SINISTAAR	MAY	1990 1982	74 23
SISI SKANCE	JUN AUG	1982	140
SKEET	OCT	1984	202
SKIP COUNTING	APR	1984	257
SKY-DEFENSE	AUG	1982	76
SLAM BAM	APR	1990	101
SLAY THE NEREIS	JUN	1984	239
SLIPHEED	MAR	1989	115
SLOTS & CARDS	OCT	1989	100
SMALL BUSINESS ACCOUNTING PACKAGE	JAN	1983	70
SMART MODEM	NOV	1982	118
SNAP STUDY SYSTEM	JUL	1986	164
SNOOPY AND THE RED BARON	JAN	1984	234
SOCCER STATISTICS PACKAGE	NOV	1985	201
SOFTREADER	MAR	1987	144
SOFTWARE BONANZA PACKAGE	JUL	1986	149
SOLAR EXPLORER	SEP	1985	204
SOLID DRIVE	MAR	1989	126
SOLO POOL	JAN	1983	162
SOLUTION, THE	JUN	1982	8
SOLVE	FEB	1985	215
SONAR SEARCH	NOV	1983	281
SONGBOOK	NOV	1982	54 195
SOOOPER PAC SOUND GENERATOR	JUN OCT	1983 1985	205
SOUNDSCOPE	JUN	1987	133
SOUNDSOURCE	JUN	1982	11
SOURCERER, THE	MAY	1984	240
SOURCERER, THE	SEP	1984	
SP-2 SERIAL INTERFACE	DEC	1984	222
SPACE ESCAPE	FEB	1985	212
SPACE FRAME	JAN	1985	208
SPACE INTRUDERS	APR	1989	135
SPACE INVADERS	JUN	1982	8

SPACE PAC	JAN	1990	102
SPACE RACE	APR	1983	24
SPACE SHUTTLE	AUG	1983	278
SPACE WAR	DEC	1981	
SPACE WEB	AUG	1985	
SPANISH ARMADA, THE	MAY	1985	_
SPANISH ONE	APR	1983	40
SPEAK UP!	APR	1983	
SPEAK UP! 3.3	JAN	1986	197
SPECTACULATOR	MAR	1982	43
SPECTRAL FLEXPLUS	JUL	1983	
SPECTRAN	SEP	1983	32
SPECTRUM ANALYZER	FEB	1985	
SPECTRUM CONTROL CENTER	MAR	1984	
SPECTRUM DOS	AUG	1984	
SPECTRUM DOS	JUL	1987	
SPECTRUM FONT GENERATOR	DEC		
SPECTRUM KEYBOARD	AUG	1986	
SPECTRUM LIGHT PEN	FEB	1983	
SPECTRUM PADDLE	JAN		
SPECTRUM STICK	OCT	1982	
SPECTRUM SWITCHER	APR	1983	
SPEED MATH	JUL	1984	
SPEED RACER	JAN		
SPEED READING	MAY		
SPELL'N FIX	JUL	1982	26
SPELL-A-TRON	MAY		
SPELL-N-FIX II	NOV		
SPELL-RITE	SEP	1983	
SPELLBOUND  GDELLING DEE	NOV	1988	
SPELLING BEE	DEC	1984	
SPELLING IN CONTEXT	SEP	1983	
SPIDER	JAN	1983	160
SPIDER ATTACK	JAN	1983	160
SPINE ALIGN CUSHION SPLC-1	SEP JAN	1985 1984	212 296
SPOOLER	APR	1985	222
SPOOLER	JUN	1984	254
SPOOLER, THE	APR		
STAGECOACH	JUN		
STANDARD BASIC DICTIONARY FOR PROGRAMMING, THE	APR		
STAR-DOS	FEB		
STAR BLAZE	MAR		
STAR NS-1000 RAINBOW PRINTER	APR		
STAR TRADER	JUL		
STAR TRAP	JAN		
STAR TRENCH WARFARE	JAN		
STARBLAZER	APR		
STARFIRE	NOV		
STARS	OCT		
STARSHIP CHAMELEON	JUL		
STARSHIP HERCULES	MAR		
START OS-9	APR		
STARTREK	OCT	1982	96
STATE THE FACTS GAME	MAY	1987	146
STATEMENT WRITER	DEC	1983	266
STATGRAF	OCT	1983	240
STELLAR SEARCH	JAN	1984	
STEREO COMPOSER	OCT	1983	274
STINGER	MAR	1983	134
STOCK MARKET ANALYZER	JUL	1982	48
STOCK MARKET PORTFOLIO	OCT	1987	138

STOCK OPTION STRATEGIES	JUL	1983	201
STOCKBROKER	MAR		
STOMP	DEC	1984	
STONE OF ROKAN	MAY		
STOPBURN STORM ARROWS	JUN OCT		_
STRESS EVALUATOR	MAR		_
STRIPPER	FEB	1983	
STUDIES IN THE PARABLES	FEB	1987	
STUDIO WORKS	JAN		
STYLO-PAK	MAR	1986	192
STYLO III	OCT	1984	192
STYLOGRAPH	JUL	1988	126
SUB BATTLE SIMULATOR	JUN	1988	134
SUB MISSION	JAN		
SUBTACTION DRILL	SEP		_
SUPER-BUG	SEP		
SUPER 'COLOR' DISK ZAP	APR		
SUPER BACKUP UTILITIES SUPER COLLECTION OF SUPER GAMES	APR JUN		
SUPER COLOR BIORHYTHYMS	SEP		_
SUPER COLOR SPELLER	NOV		_
SUPER COLOR WRITER II	OCT		
SUPER CONTROLLER	NOV		
SUPER COSMOS CONNECTION	DEC	1985	
SUPER DIRECTORY CATALOG	MAR	1986	198
SUPER DISK UTILITY	JAN	1985	213
SUPER DISK/TAPE UTILITY	APR	1985	214
SUPER DUPER UTILITIES	JUN	1986	181
SUPER EDIT	JUL	1984	
SUPER EXTENDED BASIC UNRAVELLED (BOOK)	AUG	1987	
SUPER GEMPRINT	DEC	1984	
SUPER GRAPHICS 16	JUN	1988	
SUPER LOGO	DEC	1985	
SUPER PITFALL	DEC	1988	132
SUPER PRO KEYBOARD SUPER PROGRAMMING AID	APR APR	1983 1987	81 136
SUPER PROGRAMMING AID SUPER PROGRAMMING AID	JUL	1986	
SUPER PROGRAMMING AID VERSION 2	JAN		
SUPER SCREEN	OCT	1983	254
SUPER SPOOLER	DEC	1984	219
SUPER TAPE/DISK TRANSFER	OCT	1987	
SUPER TUTOR	JUN	1986	166
SUPER VOICE	SEP	1985	217
SUPERDISK	MAR	1990	
SUPERDISK	MAY	1986	
SUPERDISK UTILITY	JUN	1988	
SUPERFORTH	SEP	1984	
SUPERSOUND SURVEY PROGRAMS	JAN MAY		
SWISS ARMY KNIFE	AUG	1987 1984	
SYMPHONY 12	APR		
SYNOPSIS OF BOOKS OF THE HOLY BIBLE	MAR	1987	
SYNTHER-7	APR	1983	
SYNTRAX 2.0	AUG	1988	128
SYSTEM SECRETS	SEP	1984	207
SYSTEM5	JUL	1988	129
T&D SUBSCRIPTION SOFTWARE	MAY	1990	76
T.UTIL	JUN	1984	269
T/S EDIT	MAR	1985	222
T/S SPELL	MAR		135
TALK PROCESSOR	NOV	1982	106

TALKHEAD AND REAL TALKER	MAR	1985	
TALKING ADVENTURE STARTER	JAN	1985	221
TALKING GRAPHIC DEMO	MAR	1982	18
TALKING SCORE-EZ	JUN	1984	
TALKING SHIPHUNT TALKING SPELLER	MAR SEP	1985 1983	
TANDY DELUXE RS-232 PROGRAM PAK	MAR	1985	
TAPE UTILITY	SEP	1983	_
TAXAID	DEC		
TAXAN'S PERSONAL TV TUNER	JUL	1985	
TAXI	MAY		
TAZMAN	MAR	1990	
TEACHER'S PET	NOV	1984	205
TEACHER PAK PLUS	MAR	1987	138
TEASERS BY TOBBS	FEB	1985	227
TEDDY BEARS	SEP	1988	132
TEEE OFFF	FEB	1984	227
TELE-ADDRESSER	JAN	1986	208
TELEPAK	APR	1989	
TELEPAK II	NOV		
TELEPATCH	OCT		
TELEPATCH II	JUL	1986	
TELEWRITER-128	MAY		
TELEWRITER-64	JUN	1983	
TELEWRITER-64 (AND MODIFICATIONS)	AUG	1987	_
TELEWRITER-64 CHARACTER SET EDITOR	JUN	1986	77
TELEWRITER DISK	DEC	1982	
TELEWRITER KEYBOARD TEMPLATES	DEC	1989	95
TERM TALK	MAR	1984	
TEST-AID	MAY	1984	
TEST MANAGER	JAN		
TESTMAKER	SEP	1985	_
TETRIS	APR	1989 1985	
TEXT	MAR	1985	
TEXT MASTER TEXT PRO II	FEB FEB	1983	
TEXTFORM	MAY	1988	
TEXTPRO IV	OCT	1989	_
THAT'S INTERESTING		1983	
THEXDER	AUG	1988	134
THIRD RAINBOW BOOK OF ADVENTURES, THE	NOV	1987	
THOSE DARN MARBLES	JUN	1990	66
THREE GAME PACK NO 2	APR	1984	
THUNDER RAM	MAY	1986	
THUNDER RAM	SEP	1985	209
THUNDERDUPE 2	DEC	1985	234
TIC-TAC-TOE	AUG	1983	94
TIC-TAC-TOE	JUN	1985	215
TIC-TAC MATH	JAN	1985	200
TIME AND MONEY	AUG	1983	136
TIME BANDIT	JUL	1984	201
TIME FIGHTER	MAR	1984	272
TIME MASTER	DEC	1985	243
TIME PATROL	FEB	1984	
TIME TEACHER	SEP	1983	
TIMEBOUND	OCT	1984	
TIMS	NOV	1982	41
TIMSMAIL AND TIMSUTIL	MAY	1985	198
TINY COMPILER	SEP	1982	89
TITLE	JUL	1987	
TNT-ALYZ	AUG		296
TO PRESERVE QUANDIC	JUL	1985	223

TOMB OF T'IEN	MAY		129
TOP STIX	MAR	1983	
TOUCHSTONE	OCT		_
TOWER CASTLE ADVENTURE	DEC		_
TOWER OF FEAR	MAR		
TP-1 PRINTER	FEB	1983	
TRACK EVENTS	FEB	1986	
TRADING POST	MAY		
TRANSTAR-315 COLOR PRINTER	DEC	1983	
TRAPFALL	AUG	1983	
TRAVELIN' TOAD	SEP	1984	
TREASURE OF THE AZTECS	APR		_
TREASURY PACKS #1 AND #2	JAN		96
TREK 16	OCT		96
TREK 80C	OCT		
TREKBOER	FEB	1985	
TRI-GRAF AND SHOWMAKER TRIG ATTACK	APR NOV		
TRIGGER 64 TRIPLE JOYPORT SWITCHER	JAN JUN		
TRIPLE TRANSFER UTILITY	JUL		
TRIVIA	OCT		
TRIVIA FEVER	APR	1985	
TRS-80 COLOR BASIC	SEP	1982	90
TRS-80 COLOR COMPUTER AND MC-10 PROGRAMS	DEC	1984	
TRS-80 PROGRAMMER'S SOURCEBOOK	JUL	1983	
TRS-80 USER'S ENCYCLOPEDIA, THE	OCT		
TRSCOPY	MAR	1985	
TRY-O-TAX	APR	1986	
TRYTHIS	DEC	1989	
TS6821 INTERFACE	OCT	1984	
TUTORCODE	MAR	1984	
TV GRAPHICS EDITOR	MAY	1984	
TW-80	OCT	1987	
TX	DEC	1986	
TX WORD PROCESSOR	MAR	1986	209
TXD	JUL	1986	151
TYP-O-MATIC	AUG	1987	132
TYPE TREK	SEP	1984	196
TYPEMATE	FEB	1989	130
U-BUFF	AUG	1986	151
U.S. STAMP INVENTORY MANAGEMENT SYSTEM	JUL	1986	156
ULTIMATE COCO REFERENCE GUIDE AND TOOLKIT, THE	SEP	1985	220
ULTIMUSE III	FEB	1990	110
ULTRA-BASE	JAN	1989	126
ULTRA-CAT	OCT	1989	
ULTRA-MERGE	JUL	1989	121
ULTRA EDITOR	JUL	1987	
ULTRA LABEL MAKER	FEB	1987	
ULTRA TELEPATCH	NOV		
ULTRAED+	APR		
UNDERWARE	FEB	1987	
UNINTERRUPTED POWER SOURCE	SEP		
UNISTAND	NOV		
UNIVERSAL VIDEO DRIVER	OCT	1984	
UNKILL	OCT		
UP-1	JAN		121
UPDOS	JUN		
UPLOAD	AUG	1983	
UTILITIES & SUBROUTINES IN BASIC	MAR		
UTILITY-1	OCT		
UTILITY ROUTINES	NOV	1985	199

UTILITY ROUTINES VOLUME II	NOV	1987	135
V-TERM	NOV	1988	134
VALHALLA	FEB	1984	214
VC	FEB	1984	221
VDOS	SEP	1983	248
VDUMP	OCT	1983	238
VECTOR ADDITION	JUN	1984	238
VEGAS GAME PAK	JUN	1986	175
VEGAS SLOTS	NOV	1987	132
VEHICLE COST PRINTOUT	MAY	1989	125
VENTURER	JUN	1982	40
VERSA MAIL	FEB	1985	211
VIDCODIT VIDEO DIGITIZER	FEB	1986	197
VIDEO CARDS/KENO	FEB	1988	135
VIDEO CLEAR INTERFACE	DEC	1983	288
VIDEO DRAW POKER	NOV	1988	134
VIDEO INTERFACE KIT	NOV	1982	54
VIDEO PLUS	NOV		
VIDEO REVERSER	DEC		
VIEW-EDIT	AUG		
VIEW II	JUN		
VIKING	JUL		64
VINCENT VAN COCO	APR		
VIP CALC	FEB		
VIP CALC III	JUL		116
VIP DATABASE	JUL		
VIP DATABASE III	DEC		_
VIP SPELLER	MAY		
VIP TERMINAL	JAN		
VIP WRITE ENHANCER	FEB		
VIP WRITER III	SEP		126
VIP WRITER III VERSION 2.0	APR		
VIF WRITER III VERSION 2.0 VIRTUAL MEMORY LOADER	FEB	1983	198
VIZIDRAW 1.0	SEP		200
VOCAB	MAR		
VOCABULARY BUILDER	SEP		136
			126
VOCAL FREEDOM	NOV	1984	241
VOICE, THE	JUL	1983	
VOICEPAK			
VORTEX FACTOR	JUL		
VOX CHESS	JUL		
VT-8302 PILOT LIGHT	MAR		
WALL STREET	MAR		
WALL STREET	OCT		
WAR KINGS	MAY		33
WAR OF THE WORLDS	NOV		
WAREHOUSE MUTANTS	AUG		
WARGAME DESIGNER	AUG		126
WARGAME DESIGNER II	SEP		
WARGAME ORGANIZER ICON DISK 1	JUN		
WARP FACTOR X	FEB		
WARP FIGHTER 3-D	FEB		
WARRIOR AND THE WIZARD	FEB		
WARRIOR KING	FEB	1989	
WEIGHT AND SPEED	DEC		
WET T-SHIRT CONTEST	FEB	1983	92
WHEEL OF FATE	DEC		
WHEELER, THE	JUL		
WHERE'S-IT	JAN		
WHIRLYBIRD RUN	SEP	1984	
WHITE FIRE OF ETERNITY	DEC		
WHOLE NUMBERS	MAY	1984	213

		1005	
WICO COMMAND CONTROL TRACKBALL	SEP	1986	136
WILD PARTY	OCT		270
WILDCARD COPY	DEC		
WILLY'S WAREHOUSE	OCT		
WINDOW MASTER	FEB		124
WINDOW WRITER	DEC		-
WINNIE THE POOH AND THE HUNDRED ACRE WOOD		1987	
WISHBRINGER	AUG		148
WITCHES' KNIGHT	AUG	1984	
WITNESS, THE	JUL	1986	163
WIZARD'S CASTLE	AUG	1986	136
WIZARD'S CASTLE	FEB	1990	104
WIZARD'S DEN	JAN	1988	129
WIZARD'S MATH BOARD	DEC	1985	244
WIZARD'S TOWER	JUN	1986	177
WIZARD	DEC	1984	194
WIZARD	JUL	1986	168
WIZARD 64	DEC	1983	284
WORD-PAK II	MAY	1985	
WORD FACTORY'S WORD MEANING, THE	MAR	1987	136
WORD FACTORY - SYNONYMS AND ANTONYMS, THE	JUN	1987	132
WORD POWER 3.1	OCT		
WORD PROCESSOR	MAY		
WORD SEARCH GAME, THE	APR		
WORD SEARCH PUZZLES	MAR		
WORDCLONE	DEC		_
WORDPAK-RS	OCT		
WORDS ABOUT THINGS	JUN		
WORDS THAT ACT	JUN		
			207
WORKBASE	FEB	1985 1989	
WORLD AT WAR	NOV		110
WORLD AT WAR, A	JUN		
WORLDS OF FLIGHT	AUG		
WRITEST	JAN		
XMENU	MAY		
XPNDR1	AUG		
XPNDR2	FEB		213
XSCREEN	JUN	1986	169
XWORD, XSPELL, XMERGE	JUL	1986	170
YACHTSEE	JUN	1985	210
YAHTZZ AND QUANTUMLEAP	MAR	1989	121
YORK 10 EDUCATIONAL SOFTWARE	JAN		134
YORK 10 EDUCATIONAL SOFTWARE	MAY		144
YORK 10 SOFTWARE LIBRARY - PHYSICS	FEB	1987	140
YOUNG WRITER'S NOTEPAD	DEC	1985	236
Z'89	DEC	1989	98
ZANDAR	JUN	1988	131
ZAPPER FAMILY, THE	NOV	1984	223
ZAPPER, THE	DEC	1988	138
ZONE RUNNER	JAN	1988	131
ZOOKEY	JUN	1985	204
ZOOMDUMP	MAR	1989	112
ZORK I	JUL	1986	150

http://goyim.dyndns.org:8080/coco/Disks/Magazines/Rainbow%20Magazine%20-%2010%20Years%20Index/

### TAPE/DISK 1982-90

PROGRAM	DESCRIPTION	мтн	YR	PAGE
%PROFIT	SMALL BUSINESS APPLICATION	MAR	1984	21
12MONTHS	TUTORIAL ON MONTHS	JUL	1988	86
178 POKE	GRAPHICS UTILITY	OCT	1983	102
2-COLUMN	LLIST IN 2 COLUMNS	MAY	1985	44
20 ODD	GRAPHICS DEMO	JAN	1984	202
2CRAPSA	GAME	JUN	1983	256
2PART1	ESCAPE FROM TUT'S TOMB; ALSO 2PART2 ETC	AUG	1988	58
3 WRITER	SIMPLE WORD PROCESSOR FOR COCO3	APR	1987	156
3CRAPS	GAME	JUN	1983	257
3CRAPSA	GAME	JUL	1983	148
3D	GAME IN 3 DIMENSIONS	NOV	1982	8
3DFNCPLT	3-D FUNCTION PLOTTER	SEP	1986	82
3DGRAPH	3-D BAR GRAPH PROGRAM	APR	1990	67
3DGRAPH	3 DIMENSION PLOTS	JUN	1983	116
3DGRAPHX	COCO IN 3-D	JUN	1989	52
3DLETTER	INITIALLY 3-D	OCT	1987	53
3DMAZE	HI-RES LABYRINTH GAME	APR	1982	7
40 35	DISK UTILITY	JUL	1985	33
40 80	DISK UTILITY	JUL	1985	31
5-COLDIR	FIVE-COLUMN DIRECTORIES	MAR	1989	80
64KBASIC	USE 64K	OCT	1983	319
64KDRIVR	SOUND SYNTHESIS	OCT	1985	87
64KSETUP	UTILITY	MAY	1986	83
6VOICES	ML MUSIC	JUN	1989	68
7COLORS	GRAPHICS DEMO	JAN	1985	38
8-COLOR	GRAPHICS DEMO	OCT	1984	19
99BEERS	TOO MANY (HIC) BOTTLES OF BEER	JUN	1988	79
A/D DRVR	SOUND SYNTHESIZER	JUN	1985	7 <i>9</i> 36
A/D DRVR A/D PRGM	SOUND SINTHESIZER SOUND SYNTHESIZER	JUN	1985	36
A/D PRGM ABC	INTRODUCE KIDS TOCOMPUTERS	SEP	1985	58
ABC GAME	DRILL THE ABC'S	SEP	1984	157
ABC GAME ABCMRG	SOUNDING OUT THE ABC'S	SEP FEB	1988	142
			1987	26
ACCOUNT	KEEP TRACK OF FINANCE RECORDS	MAR		
ACCOUNT	TAXPAYER'S UTILITY	FEB	1983	138
ACCOUNTS	BUSINESS ACCOUNTS REVEIVABLE	OCT	1982	118
ACEYDUCY	CARD GAME ADVENTURE GAME UTILITY	JAN	1984	27 99
AD-DICT			1983	
ADD SUB5	MATH QUIZ		1986	90
ADDBLOKS	MENTAL MATH BLOCKS	SEP	1988	
ADDITION	ELECTRONIC LEARNING BOOK UTILITY	DEC	1985	30
ADDITION	MATH SKILLS	APR	1987	166
ADDRESS	C TUTORIAL; ALSO PRIMENUM	MAR	1987	186
ADDRESS	DISK UTILITY	MAY	1984	38
ADDRESS	MAILING LIST	OCT	1982	86
ADDRESSR	ENVELOPE ADDRESSER	DEC	1983	161
ADJECTIV	ADJECTIVE REVIEW	OCT	1986	152
ADLABELS	MAKE ADDRESS LABELS	FEB	1989	88
ADPROFIT	ADVERTISING PROFIT PREDICTOR	FEB	1988	32
ADRESBAS	HOW TO FIND ML ADDRESSES	FEB	1988	108
ADRESPAS	HOW TO FIND ML ADDRESSES	FEB	1988	108
ADV-PRO	PROGRAMMING UTILITY	AUG	1986	27
ADVDRIVE	ADVENTURE GAME AID	DEC	1982	98
ADVMAKER	ADVENTURE GAME AID	AUG	1982	47
AGENDA	SCRATCH PAD AGENDA	APR	1990	49

АННА	HAUNTED HOUSE ADVENTURE	FEB	1983	64
AHP	PROGRAM TO HELPIN DECISION MAKING	APR	1989	
AIRPLAND	COCO'S DARING FLYING MACHINE	JAN	1988	73
ALARM	A WORKING ALARM CLOCK	DEC	1988	-
ALARM	ALARM CLOCK	NOV	1987	98
ALBRECHT	ADVENTURE GAME AID	NOV		37
ALFAWORD	ALPHABET ROULETTE	NOV		97
ALLPERMS	CAN COCO LEARN?; ALSO 1STMOVES; DATAMAKR;		1988	160
ALPHA	GAME	NOV		101
ALPHA II	ADVENTURE GAME	DEC	1984	68
ALPHTIZR	SORTING ROUTINE	MAY		97
ALPINE	GAME	AUG	1982	34
ALPSLOPE	GAME	DEC		
AMNOTRON	PMODE GRAPHICS	JUL	1986	54
AMORTIZE	FINANCE UTILITY	MAR		82
AMORTIZE	MAPPING YOUR FINANCES	NOV		20
AMPHIBIA	ACTION GAME	AUG	1985	108
ANALOGY	WHERE'S THE LOGIC?	JAN		80
ANALYST	FINANCIAL REPORTER	MAR	1984	50
ANALYZER	DISK UTILITY	MAR		90
ANALYZER	HARDWARE PROJECT; ALSO ZEROBUF; ETC	APR	1990	72 36
ANIMALS	DEMONSTRATES ARTIFICIAL INTELLIGENCE	SEP	1987	
ANIMATE	ANIMATION FILM FESTIVAL	OCT	1987	
ANIMATE	COLOR CARTOONS	OCT	1985	60
ANIMATE	GRAPHIC UTILITY	MAY		
ANIMATIC	ANIMATED GRAPHICS ML PROGRAM	JUL	1985	0 58
ANIMATIC	ANIMATION DEMO	JUN		
ANIMATOR	ANIMATION DEMO	APR		82 53
ANIMATOR	GRAPHICS ANIMATOR ANIMATED GRAPHICS DEMO	JUL	1983 1985	0
ANIMCALC ANIMCALC	ANIMATED GRAPHICS DEMO	JUN		58
ANOVA		MAR	1983	94
ANTHEM	STATISTICS TRIGONOMETRY GAME	JUL	1985	
ANTHEM AOPTION1	TUTORIAL ON REM; ALSO AOPTION2	JUN	1990	54
APPLEPIE	COCO CONCOCTIONS	DEC	1987	77
APPLICAT	AID IN FILLING OUT FORMS	JUL	1983	
AQUARIUM	ELECTRONIC AQUARIUM	FEB	1988	78
ARCHIE	ARCHITECTURAL HELP; ALSO ARC	MAY	1987	58
ARCON16K	ADVENTURE GAME	JUL	1984	
ARCON32K	ADVENTURE GAME	JUL	1984	94
ARRAYS	HALF LIFE OF NUCLEAR DECAY	MAR		35
ARTGAL	GRAPHICS UTILITY FOR 'ART GALLERY'	OCT		134
ARTIST	PRINTER GRAPHICS	NOV		129
ASCICALC	TURNING TEXT GRAPHICS INTO TITLE SCREENS	MAR	1989	79
ASCII3	DISPLAY CHARACTER SET AND ASCII CODES	SEP	1988	76
ASCIIREF	ASCII ANSWERS	JUN	1988	82
ASCIREAD	READING WORD PROCESSING FILES	FEB	1988	81
ASCSERCH	STRING SEARCH	MAR	1989	80
ASMBCOR	EDTASM PATCH	DEC	1982	29
ASSEBMLY	ASSEMBLY LANGUAGE DEMO	APR	1982	4
ASSEM	SCREEN PRINTER PROGRAM	SEP	1982	74
ASSEMBLE	PART OF ASSEMBLY LANGUAGE PROGRAM	NOV	1982	94
ASTEROID	GAME	JUN	1989	90
ASTRONAT	GAME	SEP	1986	33
AT	OS-9 UTILITIES; ALSO ATRUN	JUN	1987	162
ATTORNEY	POWER OF ATTORNEY	MAR	1983	56
AUDIOSPL	SPELLING DRILL AND PRACTICE	SEP	1984	165
AUTO3	LOAD AND RUN AT A SPECIFIED TIME	JUN	1988	32
AUTODIAL	AUTODIAL REACHES ACROSS THE MILES	NOV	1987	144
AUTODNSR	DESIGN YOUR OWN CAR	AUG	1983	52
AUTOEXEC	AUTO-EXECUTING ML PROGRAMS	FEB	1988	154
AUTOMILE	CHECK MILEAGE	NOV	1989	40

AUTORPT	MAKE KEYS AUTO-REPEAT	SEP	1982	
AUXART8	RANDOM GRAPHICS	JAN		
AVERAGES	TEACHER'S STATISTICS	MAR		
AWARDS	HAM RADIO UTILITY	DEC		_
AXEL F	MUSIC	JUN		
BACKSTAB	BREAKOUT PLAY-ALIKE	JAN		
BACKUP	DISK BACKUP UTILITY	DEC		
BADWOLF	GAME FOR LEARNING ABC'S	SEP		
BALANCE	EDUCATIONAL GAME FOR CHILDREN		1987	
BALL	GRAPHICS DEMO	OCT		
BALL1	GET-PUT GRAPHICS; ALSO BALL2-9		1989	
BALL3	LOGIC PROBLEM TESTER; ALSO BALL2	JUL		
BALLDEMO	ANIMATION GRAPHICS	MAY		
BALLDEMO	GRAPHICS DEMO	JAN		
BANDY1	WORD GAME	JUN		
BANDY2	WORD GAME	JUN		
BANKACCT	DEMO BANK ACCOUNT FOR CHILDREN		1985	_
BANKER	BANK BY PHONE	MAY		
BANNER	COLOR GRAPHICS BANNER	MAY		
BANNER	GIANT GRAPHICS BANNER	FEB		
BANNER	PRINTER BANNER MAKER	MAY		
BARGRAPH	DRAW BAR GRAPHS	JUN		
BARREL	PUZZLE	MAR		
BASEBALL	BASEBALL CARD FILE	MAY		
BASEBALL	DATABASE SAMPLE FOR EDUCATION	MAY		_
BASEBALL	GRAPHICS DEMO	JUN		_
BASEBALL	PRINT BASEBALL SCORESHEET	APR		
BASEBLL2	BASEBALL TEAM LOGOS	SEP		
BASIC+	MORE BASIC COMMANDS; ALSO BSORT	SEP		
BASIC64K	64K UTILITY	JAN		
BASICODE	UTILITY TO GIVE 40K	JAN		
BASICPAL	PALETTE TUTORIAL	FEB		
BASKET	BASKETBALL MATH DRILL	FEB		
BASKET	LO-RES BASKETBALL GAME	FEB		
BASKETBL	CANADIAN PROVINCES-CAPITALS	MAR		
BASLINE	ML DRAW THE LINE; ALSO BINLINE	DEC		-
BASLOAD	BASIC LOADER	AUG		187 193
BASPRINT	PRINTER DRIVERS; ALSO LISTING2; MLPRINT	SEP	1986 1986	132
BASSMATE	SELECT YOUR FISHINGLURE	APR	1985	
BASTRAIN BASTRAN1	DRAW DEMO	SEP		141 76
BASTRANI BASTRAN2	PROGRAMMING HINTS	NOV		
BASTRANZ BASTRAN3	PROGRAMMING HINTS	NOV		76 76
BATS	PROGRAMMING HINTS GRAPHICS DEMO	NOV MAR		
BATSBUGS	ADVENTURE GAM	JUL		
BAZAAR	GRAPHICS DEMO	FEB		
BBS-BORD.SYS	BBS	NOV		
BEAM3D	ANIMATE 3 DIMENSIONAL PICTURES	MAY		75
BEAST	ADVENTURE GAME	DEC		93
BEEPEROO	SIMPLE ADDITION GAME	JUL		18
BEEZAP	BEE ZAPPER	SEP		50
BESTLIST	LLISTING FORMATTER	MAY		104
BETWEEN	LEARNING LETTER SEQUENCES	JUN		22
BFORK	THE PROBLEM WITH BASICO9	AUG		
BFORK.DUMP	THE PROBLEM WITH BASICO9	AUG		163
BGG	LO-RES GRAPHICS DEMO	OCT		93
BIBFILE	BIBLIOGRAPY PROGRAM	SEP		254
BIGBIRD	COUNT YOUR EGGS BEFORE THEY DROP	APR		64
BIGDIPPR	GRAPHICS DEMO	JAN		30
BIGDUMP	PAGE DUMP FOR THE DMP-105	MAY		92
BIGPRINT	LARGE LETTERS TO PRINTER	DEC		21
BILLBARS	HOME FINANCE	APR	1982	19
		ALK		

				Ū
BILLGEN BINARY	PRINT INVOICES FOR PARTS AND LABOR BINARY DICE CONVERSIONS	MAR DEC		20 88
BINARY	OS-9 UTILITIES; ALSO SPLIT; COL ETC	MAR		
BINGO	AUTOMATIC BINGO CALLER	AUG		80
BINGO	BINGO AID-MAKE CARDS	APR		
BINGO	PRINT BINGO CARDS	NOV		
BINGOTLK	BINGO	AUG		38
BINLINE	GRAPHICS; ALSO BINROTAT; BASROTAT	JUL		
BINTREE	BINARY SORT(PASCAL)	FEB		281
BIOCHART	ENTERTAINMENT	MAY		20
BIRD	ELEMENTARY EDUCATION PROGRAM	AUG	1983	154
BIRD	GAME	APR	1990	50
BIRDS	GRAPHICS DMEO	MAR	1986	42
BIRDSEED	GRAPHICS DEMO	APR	1989	83
BIRTHDAY	BIRTHDAY CAKE GRAPHICS	JUL	1985	100
BIRTHDAY	CALCULATE AGE IN SECONDS	JAN	1988	80
BLACKBOX	GAME	AUG	1989	26
BLACKJAK	GAMBLING GAME	APR	1984	97
BLAKJACK	GAME	AUG		84
BLASTER	DISK UTILITY	NOV		26
BLASTER	GAME	AUG		44
BLINK	BIG BROTHER'S WATCHING	MAR		78
BLITZ1	DEFEND TERRAIN AGAINST ENEMY AIR FORCE	JUN		60
BLITZ2	DEFEND TERRAIN AGAINST ENEMY AIR FORCE	JUN		60
BLITZ3	DEFEND TERRAIN AGAINST ENEMY AIR FORCE	JUN		60
BLKBOARD	DIFFERENT SIZE LETTER GENERATOR	SEP		_
BLKJACK	GAME	OCT		135 94
BLOCKOUT BLOCKS3	GAME GRAPHICS PROGRAM; ALSO BLOCKS2	MAY JAN		28
BLOOD	GRAPHIC SIMULATION	MAY		
BLOOD	REVISING THE RESEVOIR	APR		146
BLOWUP	PMODE4 DEMO	OCT		58
BLUEBERT	GAME	APR		
BLUEVOID	GAME AND PUZZLE	FEB		28
BOB	LOGO FOR MATH CLUB	SEP	1983	54
BOGGEL	GAME	SEP	1983	61
BOLTYPE	PRINTER UTILITY	MAY	1984	69
BOMBAWAY	GAME	OCT	1986	18
BONUS	GRAPICS DEMO	FEB	1985	240
BOOKLET	PRINT A 6 PAGE PAMPHLET	JAN	1989	22
BOOKMARK	LIBRARY INDEX	SEP	1985	228
BOOKWORM	DEVELOP PROBLEM-SOLVING SKILLS	SEP		32
BOOLEAN	BINARY MATH PRACTICE	MAY		100
BOOT	BOOT FOR COCO ZONE ADVENTURE	APR		30
BOOT.BAS	BBS	NOV		
BOOTFLIP	UTILITY; ALSO FLIPPOKE; FLIP-L2R	JUL		115
BORDER	GRAPHICS BORDER	APR		104
BOUNCE	GRAPHICS DEMO EDIT TUTORIAL	OCT APR		19 247
BOUNCY BOWLING	GAME	JUL		103
BOXCAR1	BASIC TRAINING	JUN		80
BOXING	GAME	AUG		124
BOXMENU	MENU UTILITY	JAN		32
BRAINGME	COLLECTION OF 5 GAMES	DEC		191
BRAINSTM	MAKE COMPOSITION WRITING SIMPLE	DEC		150
BREAKDIS	PROGRAM PROTECTION UTILITY	AUG		82
BRICKS	LO-RES GAME	AUG	1986	83
BROTAN	GAME	AUG	1985	20
BRTHDAY1	SOUND COMMAND DEMO	JUN	1985	42
BRTHDAY2	SOUND COMMAND DEMO	JUN	1985	42
BRTHDAY3	SOUND COMMAND DEMO	JUN	1985	42
BRU	BACKUP DISK DIRECTORY	APR	1988	72

BSKBINIT	BASKETBALL STATISTICS	FEB		
BSOCG	KEYBOARD ENHANCER	FEB		
BSR ML	PROGRAM FOR PLUG-N-POWER CONTROLLER	AUG		93
BUBBLWAR	GAME	FEB		
BUCKLEUP	TRIGONOMETRY GAME	JUL		_
BUDDY	PROGRAM EDITOR FOR COCO3	JUL		34
BUDGET	HELP AT TAX TIME	APR		
BUDGET	MONTHLY BUDGET	MAR		
BUGGIE	CHILD'S PLAY	AUG		44
BW2	MUSIC SYNTHESIZER; ALSO BW2C3FIX	JUN		
BYTE 1	ASSEMBLY LANGUAGE DEMO	JUN		
BYTE 2	ASSEMBLY LANGUAGE DEMO	JUN		
BYTECODR	TO INPUT ML CODE INTO MEMORY	MAY		77
BYTECODR	TUTORIAL ON ROM ROUTINES	OCT		_
BYTESCRN	ASSEMBLY DEMO	JUL		
BYTESCRN	LOAD 51-COLUMN UTILITY	MAY		_
BYTMASTR	VIDEO SCREEN UTILITY	SEP		
CAD	ANIMATED HIGH RES STORY	JAN		
CADET TR CADMOD	GAME	MAR		
	COMPUTER AIDED DESIGN	JUL		-
CADPRINT	COMPUTER AIDED DESIGN UPDATE FROM OCT 1985	OCT		148 103
CADPRINT CALC	CALCULATOR (PASCAL)	FEB		
CALC	POP-UP CALCULATOR	JAN FEB		20 <del>4</del> 79
	MAKE CALCULATIONS EASIER FOR DISABLED	FEB		_
CALCLATR CALCLOCK	PART OF LCLALARM	JAN		
CALCULAT	COCO CALCULATOR	APR		
CALCULAT	CREATE A CALENDAR	SEP		99
CALENDAR	DISPLAY CALENDARS	JAN		43
CALENDAR	MAKE A CALENDAR	MAY		_
CALENDAR	MAKE A CALENDAR	OCT		8
CALENDAR	OS-9 BASIC CALENDAR CREATER	JAN		46
CALENDAR	POP-UP CALENDAR	APR		74
CALENDAR	PRINT AN APPOINTMENT BOOK	JAN		
CALENDAR	PRINT CALENDARS; ALSO CALMOD	JAN		46
CALENDAR	TWELVE MONTHS OF FUN	MAY		
CALGEN	CALCULATOR PROGRAM (PASCAL)	SEP	1984	
CALL	CASSETTE LOADING UTILITY	DEC	1987	75
CALLER	ASSEMBLY DEMO	AUG		
CALLMEMO	MAKE A NOTE OF IT	APR		52
CALTIME	CALENDAR GENERATOR	JAN		173
CANVAS	PAINT PROGRAM	MAY		91
CAPITALS	GEOGRAPHY DRILL	APR		
CAPTION	CAPTION UTILITY	NOV	1989	58
CARCOUNT	COUNTING FOR LITTLE ONES	JAN	1987	76
CARD LOG	LIBRARY EDUCATION	AUG	1986	94
CARDFILE	XMAX CARD FILE AND LABELER	DEC	1984	47
CARDIO	SIMULATION OF HEART ATTACK	APR	1985	60
CARDLIST	GREETING CARD LIST	DEC	1988	90
CARDS-1	GREETING CARDS	DEC	1983	100
CARDS-2	GREETING CARDS	DEC	1983	106
CARDSHOP	MAKE GREETINGS CARDS	DEC	1986	62
CARDTRIK	CARD TRICK	DEC	1988	92
CAROLS	XMAS SOUND AND GRAPHICS	DEC	1984	20
CARRIER	GRAPHICS	OCT	1989	20
CARTE BLANCHE	BASICO9 MENUS; ALSO BLDMENU; TEST	MAR	1990	118
CASBXLBL	LABEL MAKER	MAY	1987	91
CASH	CALCULATE INSTALLMENT LOANS	MAR	1986	73
CASSLABL	MUSIC TAPE ORGANIZER	JUL	1984	174
CASSLBLR	CUSTOM CASSETTE LABELS	FEB		88
CASTLE	ADVENTURE CONTEST WINNER	FEB		
CASTLE	ADVENTURE GAME	JUN	1986	28

CAT	PLAY DEMO	NOV		
CATALYST	CUSTOMIZE YOUR PROGRAMMING LANGUAGE	JUN		
CATALYST3	CUSTOMIZE YOUR PROGRAMMING LANGUAGE	JUN		
CATDANCE	GRAPHICS ANIMATION; ALSO RECTANGL	MAY		52
CATEGORY	ELEMENTARY SCHOOL DRILL	JAN		
CATHEAD	TALKING COCO CATHEAD	NOV		
CC TALK	TERMINAL PROGRAM	NOV		52
CC3GRAPH	DRAW A PIE CHART	APR		_
CC3PATCH	COCO 3 POTPOURRI	JUN		
CCBLITZ	EDUCATIONAL FOOTBALL QUIZ	OCT		
CCTLOAD	TERMINAL PROGRAM	NOV		
CCTRATE	GAME	FEB		
CDUMP	ASSEMBLY LANGUAGE AID	JUL		
CEMENT	CALCULATE CEMENT	APR		74
CENTERER	PHRASE CENTERER	MAY		
CENTPEDE	GAME	NOV		
CFRR	CASH FLOW RATE OF RETURN	MAR		_
CGPLABEL	LABELS FOR CGP-115 DUMP TO THE CGP-220	MAY		42
CGPPRINT CHALENGE	\$100 CHALLENGE GAME	MAY JUL		
CHALENGE	COUNTING CHANGE	SEP		64
CHANGER	COCO 3 GRAPHICS	FEB		
CHAR1000	CHARACTER GENERATION	MAR		
CHARACTR	ADVENTURE GAME AID	FEB		
CHARACTR	ADVENTURE GAME UTILITY	MAR		_
CHARFIND	ADVENTURE GAME UTILITY	MAR		132
CHARGEN	CHARACTER GENERATOR; ALSO LISTING1 ETC	AUG		
CHARGER	DISK UTILITY	JUN		
CHARLIE	FORMAT LLIST LISTINGS	DEC		87
CHARLIE	GRAPHICS DEMO	OCT		19
CHARLOAD	GRAPHICS UTILITY; ALSO PROGLOAD ETC	FEB	1987	
CHART	RIGHT BACK WHERE WE STARTED FROM	OCT	1987	_
CHARTER	ADVANCES IN OS-9 TECHNOLOGY	FEB	1989	152
CHASE	GAME	APR		50
CHEAPTKR	VOTRAX DRIVER	JUL		
CHECK1	ACCOUNTING UTILITY; ALSO CHECK2	FEB		75
CHECKERS	GAME	NOV		83
CHECKS	BALANCE YOUR CHECKBOOK	APR	1987	75
CHECKS	CHECKBOOK BALANCER	JAN	1984	124
CHEKBOOK	CHECKBOOK BALANCER	JAN	1985	238
CHEKBOOK	CHECKBOOK CHECKER	FEB	1989	87
CHEKRITR	PRINT PERSONAL CHECKS	MAR	1987	20
CHEMBOND	CHEMISTRY DRILL	JAN	1983	136
CHESS	CHESS SIMULATION	AUG	1988	28
CHICAGO	MUSIC AND GRAPHICS DEMO	JAN	1986	55
CHIEF	MUSIC	JUN	1987	79
CHNGQUIZ	ELEMENTARY EDUCATION GAME	AUG	1985	145
CHNGQUIZ	LEARNING MONEY	SEP	1986	98
CHOPPER	HELICOPTER ACTION GAM	JUN	1985	28
CHORDS	CHORD FINDER	JUN	1984	181
CHORDS	LEARN POSITION OF KEYBOARD CHORDS	JUN	1988	140
CHORDS	MUSIC GENERATOR	AUG	1983	132
CHORES	CHORES FOR DOLLARS	MAY	1989	77
CHOWN	CHANGE OWNERSHIP OF OS-9 FILES	MAY	1989	144
CHR CNT	CHARACTER COUNTER (PASCAL)	OCT	1984	266
CIDER	MUSIC DEMO	SEP	1988	76
CIPHER	SECRET CODES	JAN		
CIRCLE	GRAPHICS DEMO	JUL		168
CIRCLE	GRAPHICS DEMO	JUL		94
CIRCLE	GRAPHICS DEMO	NOV		96
CIRCLE2	GRAPHICS DEMO	NOV		
CIRCLES	ML MADE BASIC; ALSO ARCS	JAN	1989	90

CIRCUIT	TEACH ELECTRICAL CIRCUITS	DEC	1987	98
CIRMOD	GRAPHICS DEMO	JUL		
CITY SUN	GRAPHICS DEMO	NOV		
CKWRITER	CHECK WRITER FOR PAYROLL	APR		93
CLASSICS	MUSIC DEMO	JUN		_
CLEANUP	SHORT GAME	AUG		
CLKSPD	INSTALLATION, AUTOMATION AND MORE	NOV		
CLOADMOD	CLOAD MODIFIER	NOV		
CLOCK	CLOCK FACE	SEP		_
CLOCK	CLOCK UTILITY	FEB		
CLOCK	GRAPHICS DEMO IN PASCAL	MAY		
CLOCK	TEACH TELLING TIME	SEP		
CLOCK1	GRAPHICS DEMOS; ALSO CLOCK2-4	NOV		
CLOCKBAS CLOVER	CLOCK UTILITY DATA FOR COMPOSER	FEB JUN		
CLOVER	USING THE DRAW STATEMENT	JUN		_
CLOVER	GRAPHICS DEMO	JUN		80
CLOWNS	THE CLOWN OF A HUNDRED FACES	JAN		44
CLRBLOKS	INTORDUCE LO-RES GRAPHICS	FEB		91
CLRSCOPE	RANDOM GRAPHICS ART	JAN		
CLS	CLS COMMAND	SEP		
CLS	OS-9		1989	
CLS255	255 WAYS TO CLS	JAN		62
CLUEFILE	CHARADES GAME; ALSO SLUEWORD	SEP		65
CMDGEN	PATCHES, PROGRAMS AND POLITICS	MAY	1988	178
CMERGE	CASSETTE MERGE UTILITY	OCT	1983	206
CNDCAPTL	CANADIAN GEOGRAPHY	SEP	1985	128
CO3COLOR	GRAPHICS TUTORIAL	MAR	1987	112
CO80.PATCH	NEW TOOLS, NEW TOYS	APR	1988	160
COAX	HAM RADIO UTILITY	NOV	1985	180
COBBS/SYS	MODIFYING THE COBBS; ALSO USER/SYS	NOV	1988	16
COBBSSYS	BBS PROGRAM	NOV	1985	138
COCO-Q	GAME	DEC	1989	26
		المتارك	T303	20
COCO2MS	TRANSFER UTILITY; ALSO ADDLF; MS19GEN; MSFORM	_		
COCO2MS COCOART	TRANSFER UTILITY; ALSO ADDLF; MS19GEN; MSFORM ART DEMO	_	1986	176
	•	JUL	1986 1987	176 80
COCOART COCOBLUZ COCOCAD	ART DEMO MUSIC COMPUTER AIDED DESIGN	JUL OCT	1986 1987 1988	176 80 20
COCOART COCOBLUZ COCOCAD	ART DEMO MUSIC	JUL OCT JUN	1986 1987 1988 1985 1988	176 80 20 134 37
COCOART COCOBLUZ COCOCAD COCOCALC COCOCALC	ART DEMO MUSIC COMPUTER AIDED DESIGN BASIC FOR BEGINNERS HOME HELP-A COCO CALCULATOR	JUL OCT JUN OCT JAN APR	1986 1987 1988 1985 1988 1987	176 80 20 134 37 90
COCOART COCOBLUZ COCOCAL COCOCALC COCOCALC COCOCALC	ART DEMO MUSIC COMPUTER AIDED DESIGN BASIC FOR BEGINNERS HOME HELP-A COCO CALCULATOR ML SPREADSHEET	JUL OCT JUN OCT JAN APR FEB	1986 1987 1988 1985 1988 1987 1990	176 80 20 134 37 90 26
COCOART COCOBLUZ COCOCALC COCOCALC COCOCALC COCOCALC COCOCALC	ART DEMO MUSIC COMPUTER AIDED DESIGN BASIC FOR BEGINNERS HOME HELP-A COCO CALCULATOR ML SPREADSHEET DISK UTILITY	JUL OCT JUN OCT JAN APR FEB MAR	1986 1987 1988 1985 1988 1987 1990	176 80 20 134 37 90 26 54
COCOART COCOBLUZ COCOCALC COCOCALC COCOCALC COCOCALC COCOCALC COCOCALC	ART DEMO MUSIC COMPUTER AIDED DESIGN BASIC FOR BEGINNERS HOME HELP-A COCO CALCULATOR ML SPREADSHEET DISK UTILITY COCO DRAW UPDATE	JUL OCT JUN OCT JAN APR FEB MAR OCT	1986 1987 1988 1985 1988 1987 1990 1990	176 80 20 134 37 90 26 54 98
COCOART COCOBLUZ COCOCALC COCOCALC COCOCALC COCOCALC COCOCALC COCOCALC	ART DEMO MUSIC COMPUTER AIDED DESIGN BASIC FOR BEGINNERS HOME HELP-A COCO CALCULATOR ML SPREADSHEET DISK UTILITY COCO DRAW UPDATE PART OF COCO ZONE ADVENTURE	JUL OCT JUN OCT JAN APR FEB MAR OCT APR	1986 1987 1988 1985 1988 1987 1990 1990 1987	176 80 20 134 37 90 26 54 98 31
COCOART COCOBLUZ COCOCALC COCOCALC COCOCALC COCOCALC COCOCLN COCOCLN COCODRAW COCODRAW	ART DEMO MUSIC COMPUTER AIDED DESIGN BASIC FOR BEGINNERS HOME HELP-A COCO CALCULATOR ML SPREADSHEET DISK UTILITY COCO DRAW UPDATE PART OF COCO ZONE ADVENTURE PRIMITIVE DRAWING TOOLS	JUL OCT JUN OCT JAN APR FEB MAR OCT APR SEP	1986 1987 1988 1985 1988 1987 1990 1990 1987 1986 1987	176 80 20 134 37 90 26 54 98 31
COCOART COCOBLUZ COCOCALC COCOCALC COCOCALC COCOCALC COCOCLN COCODRAW COCODRAW COCODRAW COCODRAW	ART DEMO MUSIC COMPUTER AIDED DESIGN BASIC FOR BEGINNERS HOME HELP-A COCO CALCULATOR ML SPREADSHEET DISK UTILITY COCO DRAW UPDATE PART OF COCO ZONE ADVENTURE PRIMITIVE DRAWING TOOLS AID FOR DRAWING FLOW CHARTS	JUL OCT JUN OCT JAN APR FEB MAR OCT APR SEP MAR	1986 1987 1988 1985 1988 1987 1990 1987 1986 1987	176 80 20 134 37 90 26 54 98 31 160 32
COCOART COCOBLUZ COCOCALC COCOCALC COCOCALC COCOCALC COCOCLN COCODRAW COCODRAW COCODRAW COCODRAW COCODRAW COCOFLOW COCOGOLF	ART DEMO MUSIC COMPUTER AIDED DESIGN BASIC FOR BEGINNERS HOME HELP-A COCO CALCULATOR ML SPREADSHEET DISK UTILITY COCO DRAW UPDATE PART OF COCO ZONE ADVENTURE PRIMITIVE DRAWING TOOLS AID FOR DRAWING FLOW CHARTS GOLF SIMULATION GAME	JUL OCT JUN OCT JAN APR FEB MAR OCT APR SEP MAR FEB	1986 1987 1988 1985 1988 1987 1990 1987 1986 1987 1986 1984	176 80 20 134 37 90 26 54 98 31 160 32 69
COCOART COCOBLUZ COCOCALC COCOCALC COCOCALC COCOCALC COCOCLN COCODRAW COCODRAW COCODRAW COCODRAW COCOFLOW COCOGOLF COCOCKEY2	ART DEMO MUSIC COMPUTER AIDED DESIGN BASIC FOR BEGINNERS HOME HELP-A COCO CALCULATOR ML SPREADSHEET DISK UTILITY COCO DRAW UPDATE PART OF COCO ZONE ADVENTURE PRIMITIVE DRAWING TOOLS AID FOR DRAWING FLOW CHARTS GOLF SIMULATION GAME SPELLING GAME	JUL OCT JUN OCT JAN APR FEB MAR OCT APR SEP MAR FEB AUG	1986 1987 1988 1985 1988 1987 1990 1987 1986 1987 1986 1984 1987	176 80 20 134 37 90 26 54 98 31 160 32 69 92
COCOART COCOBLUZ COCOCALC COCOCALC COCOCALC COCOCALC COCOCLN COCODRAW COCODRAW COCODRAW COCODRAW COCOGOLF COCOGOLF COCOKEY2 COCOKEYS	ART DEMO MUSIC COMPUTER AIDED DESIGN BASIC FOR BEGINNERS HOME HELP-A COCO CALCULATOR ML SPREADSHEET DISK UTILITY COCO DRAW UPDATE PART OF COCO ZONE ADVENTURE PRIMITIVE DRAWING TOOLS AID FOR DRAWING FLOW CHARTS GOLF SIMULATION GAME SPELLING GAME FIXES TO RECENT PROGRAMS	JUL OCT JUN OCT JAN APR FEB MAR OCT APR SEP MAR FEB AUG APR	1986 1987 1988 1985 1988 1987 1990 1987 1986 1987 1986 1984 1987 1988	176 80 20 134 37 90 26 54 98 31 160 32 69 92 146
COCOART COCOBLUZ COCOCALC COCOCALC COCOCALC COCOCALC COCOCLN COCODRAW COCODRAW COCODRAW COCODRAW COCOGOLF COCOGOLF COCOKEY2 COCOKEYS COCOKEYS	ART DEMO MUSIC COMPUTER AIDED DESIGN BASIC FOR BEGINNERS HOME HELP-A COCO CALCULATOR ML SPREADSHEET DISK UTILITY COCO DRAW UPDATE PART OF COCO ZONE ADVENTURE PRIMITIVE DRAWING TOOLS AID FOR DRAWING FLOW CHARTS GOLF SIMULATION GAME SPELLING GAME FIXES TO RECENT PROGRAMS KEYBOARD TRAINING	JUL OCT JUN OCT JAN APR FEB MAR OCT APR SEP MAR FEB AUG APR JUL	1986 1987 1988 1985 1988 1987 1990 1987 1986 1987 1988 1987	176 80 20 134 37 90 26 54 98 31 160 32 69 92 146 112
COCOART COCOBLUZ COCOCALC COCOCALC COCOCALC COCOCALC COCOCLN COCODRAW COCODRAW COCODRAW COCODRAW COCOFLOW COCOGOLF COCOKEYS COCOKEYS COCOLEID	ART DEMO MUSIC COMPUTER AIDED DESIGN BASIC FOR BEGINNERS HOME HELP-A COCO CALCULATOR ML SPREADSHEET DISK UTILITY COCO DRAW UPDATE PART OF COCO ZONE ADVENTURE PRIMITIVE DRAWING TOOLS AID FOR DRAWING FLOW CHARTS GOLF SIMULATION GAME SPELLING GAME FIXES TO RECENT PROGRAMS KEYBOARD TRAINING COCO OF MANY COLORS	JUL OCT JUN OCT JAN APR FEB MAR OCT APR SEP MAR FEB AUG APR JUL MAR	1986 1987 1988 1985 1987 1990 1990 1987 1986 1987 1988 1987 1988	176 80 20 134 37 90 26 54 98 31 160 32 69 92 146 112 79
COCOART COCOBLUZ COCOCALC COCOCALC COCOCALC COCOCLN COCOCLN COCODRAW COCODRAW COCODRAW COCODRAW COCOGOLF COCOKEYS COCOKEYS COCOKEYS COCOLEID COCOLERN	ART DEMO MUSIC COMPUTER AIDED DESIGN BASIC FOR BEGINNERS HOME HELP-A COCO CALCULATOR ML SPREADSHEET DISK UTILITY COCO DRAW UPDATE PART OF COCO ZONE ADVENTURE PRIMITIVE DRAWING TOOLS AID FOR DRAWING FLOW CHARTS GOLF SIMULATION GAME SPELLING GAME FIXES TO RECENT PROGRAMS KEYBOARD TRAINING COCO OF MANY COLORS ARTIFICIAL INTELLIGENCE	JUL OCT JUN OCT JAN APR FEB MAR OCT APR SEP MAR FEB AUG APR JUL MAR AUG	1986 1987 1988 1985 1988 1987 1990 1987 1986 1987 1986 1984 1987 1988 1987	176 80 20 134 37 90 26 54 98 31 160 32 69 92 146 112 79 50
COCOART COCOBLUZ COCOCALC COCOCALC COCOCALC COCOCALC COCOCLN COCODRAW COCODRAW COCODRAW COCODRAW COCOFLOW COCOGOLF COCOKEY2 COCOKEYS COCOKEYS COCOLEID COCOLERN COCOLOGO	ART DEMO MUSIC COMPUTER AIDED DESIGN BASIC FOR BEGINNERS HOME HELP-A COCO CALCULATOR ML SPREADSHEET DISK UTILITY COCO DRAW UPDATE PART OF COCO ZONE ADVENTURE PRIMITIVE DRAWING TOOLS AID FOR DRAWING FLOW CHARTS GOLF SIMULATION GAME SPELLING GAME FIXES TO RECENT PROGRAMS KEYBOARD TRAINING COCO OF MANY COLORS ARTIFICIAL INTELLIGENCE PRINT A LOGO	JUL OCT JUN OCT JAN APR FEB MAR OCT APR SEP MAR FEB AUG APR JUL MAR AUG OCT	1986 1987 1988 1985 1988 1987 1990 1987 1986 1987 1986 1984 1987 1988 1987 1989	176 80 20 134 37 90 26 54 98 31 160 32 69 92 146 112 79 50
COCOART COCOBLUZ COCOCALC COCOCALC COCOCALC COCOCALC COCOCLN COCODRAW COCODRAW COCODRAW COCOFLOW COCOGOLF COCOKEY2 COCOKEY2 COCOKEYS COCOLEID COCOLERN COCOLOGO COCOMOD1	ART DEMO MUSIC COMPUTER AIDED DESIGN BASIC FOR BEGINNERS HOME HELP-A COCO CALCULATOR ML SPREADSHEET DISK UTILITY COCO DRAW UPDATE PART OF COCO ZONE ADVENTURE PRIMITIVE DRAWING TOOLS AID FOR DRAWING FLOW CHARTS GOLF SIMULATION GAME SPELLING GAME FIXES TO RECENT PROGRAMS KEYBOARD TRAINING COCO OF MANY COLORS ARTIFICIAL INTELLIGENCE PRINT A LOGO KEYBOARD UTILITY; ALSO COCOMOD2-3	JUL OCT JUN OCT JAN APR FEB MAR OCT APR SEP MAR FEB AUG APR JUL MAR AUG OCT NOV	1986 1987 1988 1985 1988 1987 1990 1987 1986 1987 1988 1987 1988 1987 1989 1987	176 80 20 134 37 90 26 54 98 31 160 32 69 92 146 112 79 50 50
COCOART COCOBLUZ COCOCAD COCOCALC COCOCALC COCOCALC COCOCLN COCODRAW COCODRAW COCODRAW COCODRAW COCOFLOW COCOGOLF COCOKEY2 COCOKEY2 COCOKEYS COCOLEID COCOLEID COCOLEID COCOLOGO COCOMOD1 COCOMON	ART DEMO MUSIC COMPUTER AIDED DESIGN BASIC FOR BEGINNERS HOME HELP-A COCO CALCULATOR ML SPREADSHEET DISK UTILITY COCO DRAW UPDATE PART OF COCO ZONE ADVENTURE PRIMITIVE DRAWING TOOLS AID FOR DRAWING FLOW CHARTS GOLF SIMULATION GAME SPELLING GAME FIXES TO RECENT PROGRAMS KEYBOARD TRAINING COCO OF MANY COLORS ARTIFICIAL INTELLIGENCE PRINT A LOGO KEYBOARD UTILITY; ALSO COCOMOD2-3 MACHINE LANGUAGE MONITOR	JUL OCT JUN OCT JAN APR FEB MAR OCT APR SEP MAR FEB AUG APR JUL MAR AUG OCT NOV FEB	1986 1987 1988 1985 1988 1987 1990 1987 1986 1987 1988 1987 1988 1987 1989 1987 1989	176 80 20 134 37 90 26 54 98 31 160 32 69 92 146 112 79 50 126 165
COCOART COCOBLUZ COCOCALC COCOCALC COCOCALC COCOCALC COCOCLN COCODRAW COCODRAW COCODRAW COCOFLOW COCOGOLF COCOKEY2 COCOKEY2 COCOKEYS COCOLEID COCOLERN COCOLOGO COCOMOD1	ART DEMO MUSIC COMPUTER AIDED DESIGN BASIC FOR BEGINNERS HOME HELP-A COCO CALCULATOR ML SPREADSHEET DISK UTILITY COCO DRAW UPDATE PART OF COCO ZONE ADVENTURE PRIMITIVE DRAWING TOOLS AID FOR DRAWING FLOW CHARTS GOLF SIMULATION GAME SPELLING GAME FIXES TO RECENT PROGRAMS KEYBOARD TRAINING COCO OF MANY COLORS ARTIFICIAL INTELLIGENCE PRINT A LOGO KEYBOARD UTILITY; ALSO COCOMOD2-3	JUL OCT JUN OCT JAN APR FEB MAR OCT APR SEP MAR FEB AUG APR JUL MAR AUG OCT NOV	1986 1987 1988 1985 1988 1987 1990 1987 1986 1987 1988 1987 1988 1987 1989 1987 1985 1985	176 80 20 134 37 90 26 54 98 31 160 32 69 92 146 112 79 50 126 165 60
COCOART COCOBLUZ COCOCALC COCOCALC COCOCALC COCOCALC COCOCLN COCODRAW COCODRAW COCODRAW COCOFLOW COCOGOLF COCOKEY2 COCOKEY2 COCOKEYS COCOKEYS COCOLEID COCOLEID COCOLERN COCOLOGO COCOMOD1 COCOMON COCONECT	ART DEMO MUSIC COMPUTER AIDED DESIGN BASIC FOR BEGINNERS HOME HELP-A COCO CALCULATOR ML SPREADSHEET DISK UTILITY COCO DRAW UPDATE PART OF COCO ZONE ADVENTURE PRIMITIVE DRAWING TOOLS AID FOR DRAWING FLOW CHARTS GOLF SIMULATION GAME SPELLING GAME FIXES TO RECENT PROGRAMS KEYBOARD TRAINING COCO OF MANY COLORS ARTIFICIAL INTELLIGENCE PRINT A LOGO KEYBOARD UTILITY; ALSO COCOMOD2-3 MACHINE LANGUAGE MONITOR CONNECT A DOT PROGRAM	JUL OCT JUN OCT JAN APR FEB MAR OCT APR SEP MAR FEB AUG APR JUL MAR AUG OCT NOV FEB JAN	1986 1987 1988 1985 1988 1987 1990 1987 1986 1987 1988 1987 1988 1987 1989 1987 1985	176 80 20 134 37 90 26 54 98 31 160 32 69 92 146 112 79 50 126 165 60
COCOART COCOBLUZ COCOCALC COCOCALC COCOCALC COCOCALC COCOCALC COCOCLN COCODRAW COCODRAW COCODRAW COCOFLOW COCOGOLF COCOKEY2 COCOKEY2 COCOKEYS COCOKEYS COCOLEID COCOLEID COCOLERN COCOLOGO COCOMOD1 COCOMON COCONECT COCONUTS	ART DEMO MUSIC COMPUTER AIDED DESIGN BASIC FOR BEGINNERS HOME HELP-A COCO CALCULATOR ML SPREADSHEET DISK UTILITY COCO DRAW UPDATE PART OF COCO ZONE ADVENTURE PRIMITIVE DRAWING TOOLS AID FOR DRAWING FLOW CHARTS GOLF SIMULATION GAME SPELLING GAME FIXES TO RECENT PROGRAMS KEYBOARD TRAINING COCO OF MANY COLORS ARTIFICIAL INTELLIGENCE PRINT A LOGO KEYBOARD UTILITY; ALSO COCOMOD2-3 MACHINE LANGUAGE MONITOR CONNECT A DOT PROGRAM GRAPHICS DEMO	JUL OCT JUN OCT JAN APR FEB MAR OCT APR SEP MAR FEB AUG APR JUL MAR AUG OCT NOV FEB JAN MAR	1986 1987 1988 1985 1988 1987 1990 1987 1986 1987 1988 1987 1988 1987 1989 1987 1985 1985	176 80 20 134 37 90 26 54 98 31 160 32 69 92 146 112 79 50 50 126 165 60 164
COCOART COCOBLUZ COCOCALC COCOCALC COCOCALC COCOCALC COCOCLN COCODRAW COCODRAW COCODRAW COCODRAW COCOGOLF COCOKEY2 COCOKEY2 COCOKEYS COCOKEYS COCOLEID COCOLEID COCOLERN COCOLOGO COCOMOD1 COCOMON COCONECT COCONUTS COCOPADD	ART DEMO MUSIC COMPUTER AIDED DESIGN BASIC FOR BEGINNERS HOME HELP-A COCO CALCULATOR ML SPREADSHEET DISK UTILITY COCO DRAW UPDATE PART OF COCO ZONE ADVENTURE PRIMITIVE DRAWING TOOLS AID FOR DRAWING FLOW CHARTS GOLF SIMULATION GAME SPELLING GAME FIXES TO RECENT PROGRAMS KEYBOARD TRAINING COCO OF MANY COLORS ARTIFICIAL INTELLIGENCE PRINT A LOGO KEYBOARD UTILITY; ALSO COCOMOD2-3 MACHINE LANGUAGE MONITOR CONNECT A DOT PROGRAM GRAPHICS DEMO CALCULATOR EMULATION	JUL OCT JUN OCT JAN APR FEB MAR OCT APR SEP MAR FEB AUG APR JUL MAR AUG OCT NOV FEB JAN MAR FEB	1986 1987 1988 1985 1988 1987 1990 1987 1986 1987 1988 1987 1988 1987 1989 1987 1985 1985 1985 1988	176 80 20 134 37 90 26 54 98 31 160 32 69 92 146 112 79 50 126 165 60 164 144 88
COCOART COCOBLUZ COCOCALC COCOCALC COCOCALC COCOCALC COCOCALC COCOCLN COCODRAW COCODRAW COCODRAW COCOFLOW COCOGOLF COCOKEY2 COCOKEY2 COCOKEYS COCOLEID COCOLEID COCOLERN COCOLOGO COCOMOD1 COCOMOD1 COCOMOT COCONECT COCONUTS COCOPADD COCOPLUS	ART DEMO MUSIC  COMPUTER AIDED DESIGN BASIC FOR BEGINNERS HOME HELP-A COCO CALCULATOR ML SPREADSHEET DISK UTILITY COCO DRAW UPDATE PART OF COCO ZONE ADVENTURE PRIMITIVE DRAWING TOOLS AID FOR DRAWING FLOW CHARTS GOLF SIMULATION GAME SPELLING GAME FIXES TO RECENT PROGRAMS KEYBOARD TRAINING COCO OF MANY COLORS ARTIFICIAL INTELLIGENCE PRINT A LOGO KEYBOARD UTILITY; ALSO COCOMOD2-3 MACHINE LANGUAGE MONITOR CONNECT A DOT PROGRAM GRAPHICS DEMO CALCULATOR EMULATION INCREASES COCO3'S HSCREEN 2 AND 4	JUL OCT JUN OCT JAN APR FEB MAR OCT APR SEP MAR FEB AUG APR JUL MAR AUG OCT NOV FEB JAN MAR FEB OCT	1986 1987 1988 1985 1988 1987 1990 1987 1986 1987 1988 1987 1988 1987 1989 1985 1985 1985 1985 1988	176 80 20 134 37 90 26 54 98 31 160 32 69 92 146 112 79 50 126 165 60 164 144 88 63
COCOART COCOBLUZ COCOCALC COCOCALC COCOCALC COCOCALC COCOCALC COCOCLN COCODRAW COCODRAW COCODRAW COCODRAW COCOFLOW COCOGOLF COCOKEY2 COCOKEY2 COCOKEYS COCOLEID COCOLEID COCOLERN COCOLOGO COCOMOD1 COCOMON COCONECT COCONUTS COCOPADD COCOPLUS COCOPONG	ART DEMO MUSIC  COMPUTER AIDED DESIGN BASIC FOR BEGINNERS HOME HELP-A COCO CALCULATOR ML SPREADSHEET DISK UTILITY COCO DRAW UPDATE PART OF COCO ZONE ADVENTURE PRIMITIVE DRAWING TOOLS AID FOR DRAWING FLOW CHARTS GOLF SIMULATION GAME SPELLING GAME FIXES TO RECENT PROGRAMS KEYBOARD TRAINING COCO OF MANY COLORS ARTIFICIAL INTELLIGENCE PRINT A LOGO KEYBOARD UTILITY; ALSO COCOMOD2-3 MACHINE LANGUAGE MONITOR CONNECT A DOT PROGRAM GRAPHICS DEMO CALCULATOR EMULATION INCREASES COCO3'S HSCREEN 2 AND 4 COCO PONG	JUL OCT JUN OCT JAN APR FEB MAR OCT APR SEP MAR FEB AUG APR JUL MAR AUG OCT NOV FEB JAN MAR FEB JAN MAR FEB JAN	1986 1987 1988 1985 1988 1987 1990 1987 1986 1987 1988 1987 1988 1987 1989 1985 1985 1985 1985 1988 1989	176 80 20 134 37 90 26 54 98 31 160 32 69 92 146 112 79 50 126 165 60 164 144 88 63
COCOART COCOBLUZ COCOCALC COCOCALC COCOCALC COCOCALC COCOCALC COCOCLN COCODRAW COCODRAW COCODRAW COCOFLOW COCOGOLF COCOKEYS COCOKEYS COCOKEYS COCOLEID COCOLEID COCOLERN COCOLOGO COCOMOD1 COCOMON COCONECT COCONUTS COCOPADD COCOPLUS COCOPONG COCOOQUIZ	ART DEMO MUSIC COMPUTER AIDED DESIGN BASIC FOR BEGINNERS HOME HELP-A COCO CALCULATOR ML SPREADSHEET DISK UTILITY COCO DRAW UPDATE PART OF COCO ZONE ADVENTURE PRIMITIVE DRAWING TOOLS AID FOR DRAWING FLOW CHARTS GOLF SIMULATION GAME SPELLING GAME FIXES TO RECENT PROGRAMS KEYBOARD TRAINING COCO OF MANY COLORS ARTIFICIAL INTELLIGENCE PRINT A LOGO KEYBOARD UTILITY; ALSO COCOMOD2-3 MACHINE LANGUAGE MONITOR CONNECT A DOT PROGRAM GRAPHICS DEMO CALCULATOR EMULATION INCREASES COCO3'S HSCREEN 2 AND 4 COCO PONG THE COCO QUIZ MASTER	JUL OCT JUN OCT JAN APR FEB MAR OCT APR SEP MAR FEB AUG APR JUL MAR AUG OCT NOV FEB JAN MAR FEB JAN MAR FEB JUN MAR AUG OCT NOV FEB JUN MAR AUG OCT NOV FEB JUN MAR AUG OCT NOV FEB JUN MAR AUG OCT NOV FEB JUN MAR AUG OCT JUN	1986 1987 1988 1985 1988 1987 1990 1987 1986 1987 1988 1987 1988 1987 1989 1985 1985 1985 1985 1988 1989	176 80 20 134 37 90 26 54 98 31 160 32 69 92 146 112 79 50 126 165 60 164 144 88 63 57

COCOTOUR	A MOVING RAINBOW BORDER; ALSO CCTDEMO		1989	
COCOTYPE	TYPING TUTOR	JAN		
COCOTYPE	TYPING TUTOR	MAR		
COCOZONE	ADVENTURE GAME	APR		31
CODELODE	MACHINE CODE LOADER	JUL	1985	146
CODEMSTR	MORSE CODE AID	NOV	1989	12
CODEWORD	CRACKING CODES	OCT	1989	52
CODEWRDS	ELEMENTARY EDUCATION GAME	JUN	1985	45
COEPPRAM	AID PHYSICALLY HANDICAPPED; ALSO COEPPROM	FEB	1989	58
COL-POEM	WRITE OETRY	SEP	1985	132
COLLECT	PICKING UP THE PIECES	JUN	1988	82
COLLEGE	CALCULATE A COLLEGE FUND	APR	1986	93
COLLEGE	CALCULATE COLLEGE SAVING PLAN	JUN	1988	26
COLOR1	GRAPHICS DEMO	AUG	1982	69
COLOR3	COCO3 COLOR CHART; ALSO LISTING 2	JAN	1987	24
COLORFRM	PRINT ROUTINE FOR ADVENTURES	APR		
COLORMIX	COLOR SELECTION UTILITY	APR		_
COLORPIE	DUMP TO THE CGP-220	MAY		
COLORS	CHR\$ OF COLORS	APR		
COLORS	DUMP TO THE CGP-220	MAY		
COLORS	GRAPHICS DEMO	MAY		
COLORS	PALETTE UTILITY	MAY		
		APR		
COLRBASE	DATABASE; ALSO CONFIG			
COLRBOOK	GRAPHICS DEMO	MAY		
COLRBOOK	GRAPHICS FUN	SEP		
COLRCHEK	GRAPHICS UTILITY	MAR		
COLRDEO	GRAPHICS; ALSO CIRCLE1; CIRCLE2	AUG		
COLRDUMP	SHADED SCREENDUMPS	MAY		
COLRFEST	ALL THE COLORS OF THE RAINBOW	DEC		
COLRTEST	ADJUSTING YOUR MONITOR	JAN		
COLRTYPE	ELECTRONIC TYPEWRITER	MAY		
COMBAT	ADVENTURE GAME	SEP		
COMMANDO	GAME	FEB		
COMMAS	CORRECT COMMA USAGE	JUL	1988	156
COMMHELP	JOB DESCRIPTION	JAN		
COMMWP	COMMUNICATIONS WORD PROCESSOR	JUL	1983	
COMPARE	ALSO INDEX; SAVELOAD; TOTAL	MAR	1988	68
COMPILER	SAVE GRAPHICS WITH CSAVEM	NOV		
COMPOSER	MUSIC SYNTHESIZER	DEC	1983	132
COMPRESS	COMPRESS GRAPHICS SCREENS	DEC	1987	168
COMPRESS	COMPRESS GRAPHICS SCREENS	SEP	1987	170
COMPRESS	TEXT FILE COMPRESSION; ALSO EXPAND	SEP	1989	112
COMPSHOP	CONSUMER EDUCATION FOR CHILDREN	FEB	1985	65
COMPTEST	COMPATIBILITY GAME	FEB	1984	292
COMPUTE	PAYROLL COMPUTATION	APR	1985	87
CONCERT	ANIMATED GRAPHICS WITH MUSIC	APR	1985	128
CONGEN	TV TEST PATTERN GENERATOR	AUG	1983	100
CONNECT4	GAME	JUN	1984	160
CONNECT5	GAME	MAR	1988	76
CONSEC	INTEGERS IN ORDER	JUN	1990	18
CONSEQS	GAME	MAR	1983	110
CONTEST	PROGRAMMING CONTEST	JUL	1988	48
CONTLOGR	HAM RADIO LOG	MAR	1983	180
CONTROL	ADVENTURE CONTEST WINNER; ALSO CNTRL	FEB	1988	42
CONVENTN	KEEP TRACK OF VOTING AT CONVENTIONS	JUL	1988	110
CONVERT	CONVERT BASE OF NUMBERS	JAN	1990	34
CONVERT	CONVERT HEX TO DECIMAL ETC	DEC	1987	
CONVERT	CONVERT MICRO-PAINTER TO DISK	MAR	1984	
CONVERT	FOREIGN CURRENCY CALCULATOR	MAR	1985	162
CONVERT	GRAPHICS UTILITY FOR 'ART GALLERY'	OCT	1984	132
CONVERT				
CONVERT CONVERT	INCHES TO FEET AND YARDS MEASUREMENT CONVERSIONS	JAN JAN		72 46

CONVERT	METRIC CONVERTER	SEP	1983	
CONVERT	USE 64K	OCT	1983	318
COPTER	GRAPHICS ADVENTURE GAM	FEB	1984	64
COPY	DISK COPY UTILITY	JAN	1990	31
COPYASM	COPY UTILITY; ALSO COPY; ALLRAM	APR	1990	106
COPYDIR	DISK UTILITY	JUN	1983	86
COPYPIX	TYPING UP DRAW STRINGS	OCT	1988	87
CORE	NEWCOMER'S HINTS	DEC	1985	108
CORE	USING SYSCALL TO ENHANCE BASICO9	MAY	1989	138
COST.PAS	PREDICTING PROFITS	APR	1990	44
COSTCALC	SMALL BUSINESS AID	MAR	1984	100
COTERM	BBS SYSTEM	DEC	1985	175
COUNTDWN	PAUSE FEATURE IN PROGRAM	JAN	1986	44
COUNTME	FUNDAMENTAL MATH SKILLS	FEB	1989	82
COUNTRY	MUSIC	JUN	1987	79
CRAPS	GAMBLING GAME	APR	1984	69
CRASHPRF	DISK UTILITY	FEB	1986	32
CRDINATE	DEVELOP GOOD FASHION SENSE	APR	1989	101
CREATE	DISK DATABASE; ALSO DATAB	SEP	1989	20
CREATE	GRAPHICS UTILITY	OCT	1983	108
CREATOR	HI-RES TEXT GENERATOR	DEC	1983	192
CREDIT	KEEP TRACK OF CREDIT CARD BALANCES	APR	1989	103
CREXPFLE	BUSINESS EXPENSE MANAGEMENT	MAR	1986	129
CRNOGRPH	REAL TIME CLOCK	JUN	1985	83
CRTVADER	DESIGNER ARCADE GAMES	DEC	1986	163
CRUN	AUTO EXECUTE TAPE PROGRAMS	FEB	1986	45
CRUNCHER	WIPE OUT LETTERS	SEP	1987	74
CRUSH	MAKE PROGRAMS SMALLER	FEB	1988	157
CRYPTAID	CRYPTOLOGIST'S SIDEKICK	JUL	1988	80
CRYPTO	CRYPTOGRAM GAME	JUN	1983	132
CRYPTSAM	CRYPTOGRAM SAMPLE	JUN	1983	132
CSKETCH	ETCH-A-SKETCH PROGRAM	OCT	1983	161
CTRYROAD	SAMPLE FOR MUSIC+	JUN	1984	77
CUPID	MATCH-UP GAME	FEB	1985	77
CURVFITZ	BEST FIT TO DATA POINTS	APR	1983	234
CWC4V10	DISK UTILITY	OCT	1984	182
CWC4V11	DISK UTILITY	OCT	1984	182
CWC5V10	DISK UTILITY	NOV	1984	147
CWC5V11	DISK UTILITY	NOV	1984	147
CYCLDRAW	COCO 3 GRAPHICS	FEB	1987	60
D-ADVWTR	ADVENTURE GAME	JAN	1983	50
D/BAS	DISK UTILITY	DEC	1983	216
DANCE	GET AND PUT DEMO	OCT		85
DARKROOM	COCO AND PHOTOGRAPHY	FEB	1990	96
DATA	PART OF ROTATE	MAY		121
DATAB	DO-IT-YOURSELF DATABASE	MAY		12
DATABASE	ADVENTURE GAME UTILITY	MAY		
DATABASE	BASIC FOR BEGINNERS	FEB	1988	20
DATABASE	BASIC FOR BEGINNERS	MAR	1988	82
DATABASE	DISK MAILING LIST	SEP	1984	116
DATABASE	DISK MAILING LIST PROGRAM	DEC	1984	258
DATABASE	MAILING LABELS	OCT		36
DATABASE	MAILING LIST	NOV		247
DATAWRIT	USE ML IN BASIC	JUL		84
DATELOAD	SEE PATCH10; PATCH11	SEP	1984	88
DATESET	DISK UTILITY	NOV		
DATEL	DATABASE MANAGER	DEC		114
DATING	DATE YOUR PROGRAM	FEB	1983	58
DAYPLAN	DAILY PLANNER	FEB		106
DBL SIDE	DISK UTILITY	JUL		31
DEADRECK	FOR LIGHT AIRCRAFT (PASCAL)	NOV		273
DEBUG	ASSEMBLY LANGUAGE UTILITY	FEB	1986	39

DECISION	HELP WITH DECISIONS		1987	
DECKHALL	MUSIC; ALSO MUSCLOAD; TAPELOAD	DEC		
DECODE	FULL SENTENCE DECODE ROUTINE	APR		
DECOMP	DECOMPRESSION TECHNIQUE	JUN		
DEF MOV	GAME	JAN		
DEFSDEMO	PATCHES, PROGRAMS AND POLITICS	MAY		
DEL	OS-9 UTILITIES; ALSO DNAME; EXIT; TIME	DEC		
DEMO	A THIRD GRAPHICS SCREEN	NOV		
DEMO	ASSEMBLY DEMO	AUG		
DEMO	BASICO-9 CIRCLES	JUN		
DEMO	COLOR CARTOONS		1985	60
DEMO	GRAPHICS DEMO		1984	
DEMO	SEE SCREEN51-DEMO		1985	
DEMO	TWO-DIMENSIONAL ROTATION; ALSO DRIVER; ROTATI			
DEMO	UTILITY FOR OKIDATA ML92 PRINTER		1985	91
DEMO 1	ASSEMBLY DEMO		1985	
DEMO 2	ASSEMBLY DEMO		1985	
DEMON II	ADVENTURE GAME	MAR		
DEMOPOKE	SCREEN POKE UTILITY	NOV		
DERBY	COCO DERBY	MAY		
DESIGNER	GAME SCREEN DESIGNER; ALSO CREATSET; ICONGRAB			
DESKTOP	POINT AND CLICK INTERFACE; WINDOWS	MAR		
DESKTOPH	DESKTOP PUBLISHER	OCT		
DESKTOPL	DESKTOP PUBLISHER	OCT		
DEWEY	LIBRARY DRILL	MAR		
DHPATCH	SCREEN DUMPS; ALSO HTPATCH; HEPATCH	OCT		
DIAMOND1	GRAPHICS; ALSO DIAMOND2		1989	
DIAMONDS	GRAPHICS	MAR		78
DIARY	APPOINTMENT BOOK	NOV		
DIARY	DIARY	JUN		
DICE	ADVENTURE GAME AID	MAY		
DICE BAG	ADVENTURE GAME AID	JUN		38
DICTNARY	DICTIONARY SKILLS	APR		
DIGITIZE	TOUCH PAD DEMO	JAN		
DIRO	DISK DIRECTORY HANDLER SYSTEM	JAN		
DIR2	DISK UTILITY	DEC		
DIR3	DISK DIRECTORY HANDLER SYSTEM	JAN		
DIRALPHA	ALPHABETIZE DISK DIRECTORY	FEB	1988	80
DIRECT	CASSETTE TAPE DIRECTORY		1985	
DIRECTRY	JOYSTICK DIRECTORY UTILITY	FEB		
DIRPRINT	HARD COPY DIRECTORY	FEB		
DISCRIM	VISUAL MEMORY CHALLENGES	JAN		
DISEMBLR	BASIC DISASSEMBLER	MAY		
DISK DIR	HARD COPY DISK DIRECTORIES	MAY		
DISK.BAS	CUSTOMIZE YOUR PROGRAMMING LANGUAGE	JUN		
DISK3	CUSTOMIZE YOUR PROGRAMMING LANGUAGE	JUN		
DISKCHEK	DISK SPEED CHECK	AUG		
DISKDABL	DISK UTILITY	OCT		
DISKDATA	DISK UTILITY	JUL		
DISKDIR	DISK UTILITY	JAN		
DISKDIR1	DISK UTILITY (ALSO DISKDIR2-4)	JUL		
DISKDUMP	DISK UTILITY	JAN		
DISKEDT	DISK UTILITY	JUN		
DISKFIX	DISK UTILITY	MAR		
DISKLIST	DISK UTILITY	JUL		30
DISKMENU	ADVENTURE GAME AID	OCT		
DISKMENU	DISK UTILITY	FEB		
DISKOFF	FREE UP MEMORY	JUL		
	FREE UP MEMORY	DEC		
DISKSEEK	DISK UTILITY	JUL		
	ALPHABETIC SORT OR DISK DIRECTORY	DEC		
DISKSTEP	DISK UTILITY	APR	1986	149

DISKTEST	DISK UTILITY	JAN	1985	99
DISKWASH	DISK UTILITY	NOV		310
DISPLAY	GRAPHICS UTILITY	SEP	1986	44
DISPLAY1	CENTER A MESSAGE	FEB	1985	133
DISPLAY2	TITLE PRINTER TITLE PRINTER	FEB	1985 1985	134 134
DISPLAY3		FEB		134
DISPLAY4 DISPLAY5	REVERSE PRINTING PRINT BACKWARD MESSAGE	FEB FEB	1985 1985	134
DISPLAY6	TITLE GENERATOR	FEB	1985	135
DISPLAY7	TITLE GENERATOR	FEB	1985	135
DISTANCE	TRAVEL	MAY		30
DIVISION	LONG DIVISION DRILL	SEP	1988	53
DLABEL	MAKE LABELS	MAY	1990	46
DMODE	CHANGE DISK DRIVE PARAMETERS	DEC	1988	160
DODGE	THE BLUE BLOCK BLUES	NOV		97
DOEVENT	PUT DATA STRUCTURES ON DRAWING BOARD	DEC	1987	180
DOEVENT	THE EVOLUTION CONTINUES	NOV		180
DOG	GRAPHICS DEMO (SNOOPY?)	SEP	1982	78
DOGGONE	GRAPHICS DEMO	JUL		108
DOGHOUSE	ACTION GAME	AUG		229
DOMINOES	ELECTRO DOMINOES	JUN		18
DOODLER	GRAPHICS DEMO	JUN	1984	89
DOODLER	PRINTER GRAPHICS	JAN	1984	121
DOODLER3	DOODLE DITTY	JAN	1989	60
DOSSTART	AUTO START ON DOS	NOV	1984	144
DOTS	GAME	JUL	1983	83
DOUBLE	DOUBLE SIZE SCREEN PRINT	MAY	1982	42
DOWNHILL	HIT THE SLOPES	JAN	1989	63
DRAGBYTE	ADVENTURE CHARACTER GENERATOR	FEB	1984	178
DRAGBYTE	ADVENTURE CHARACTER GENERATOR	NOV	1983	172
DRAGBYTE	ADVENTURE GAME	JAN	1984	38
DRAGBYTE	ADVENTURE GAME	MAR	1983	202
DRAGBYTE	ADVENTURE GAME AID	OCT	1983	152
DRAGONS	ADVENTURE GAME AID	AUG	1982	64
DRAW-EZ	DEMO OF SAVING WITH CSAVEM	NOV		163
DRAWFACE	GRAPHICS	OCT	1986	49
DRAWING	LIKE ETCH-A-SKETCH	FEB	1984	61
DRAWINGS	DATA FOR SURFACE	APR	1985	45
DREAM	CHRISTMAS ADVENTURE GAME		1987	
DREIDL	HANUKKAH GAME	DEC		
DRGNGOLD	ADVENTURE GAME	AUG		
DRILLER2	MATH DRILL	OCT		
DRILLER3 DRIVE2	PRIMARY MATH DRILLER FIXES TO RECENT PROGRAMS	JAN APR		
DRIVEBY	HOME SEARCH; ALSO HOUSE; LOANDATA	FEB		
DRIVEOFF	OS-9 UTILITIES; ALSO IOMAN.PATCH ETC	APR		
DRIVER	BSOCG KEYBOARD ENHANCER DRIVER	FEB		
DRIVER	CHANGE THE CURSOR PROMPT; ALSO CONVERT	JUL		
DRIVER	FOR FASTLIFE OR SLOWLIFE	JUN		_
DRIVERHT	SCREEN DUMPS	AUG		
DRIVERLT	SCREEN DUMP; ALSO DRIVERLE	MAY		
DSKDET	REMOVE DISK WITHOUT UNPLUGGING ROM PAC	MAR		
DSKMERGE	DISK UTILITY	FEB	1985	175
DSORT	VIEW OF MULTI-VUE; ALSO DSORT.ASM	MAR	1988	180
DU-3	DISK UTILITY	FEB	1987	94
DUMBTERM	TERMINAL PROGRAM	MAR	1983	160
DUMP1	GRAPHICS SCREEN DUMP	MAY	1986	95
DUMP105	PRINTER UTILITY	MAY	1987	104
DUMP132	HI-RES SCREEN DUMP	MAY	1989	74
DUMP2	GRAPHICS SCREEN DUMP	MAY		
	ML MADE BASIC; ALSO DUMPBIN	SEP		
DUMPSTOR	DISK TO TAPE TRANSFER	AUG	1984	229

DUNGEON	ADVENTURE GAME	JAN	1983	50
DUPER	HAM RADIO UTILITY	JAN	1983	80
DUPLICAT	PROGRAMMING UTILITY	SEP	1989	44
EAGLE	GRAPHICS DEMO	JUL	1988	82
EARTHTROT	GRAPHICS DEMO	AUG	1985	74
EASTER	DRILL OF PATTERN DISCRIMINATION	APR	1987	99
ECHO	KEYBOARD HARDCOPY	FEB	1987 1982	126 18
EDCN	ELEMENTARY EDUCATION DRILL	NOV OCT	1982	26
EDCOL HMN	ELEMENTARY EDUCATION DRILL	SEP	1982	35
EDCOLUMN EDIC	ELEMENTARY EDUCATION DRILL MULTI-VUE GRAPHICS ICON EDITOR	DEC	1982	
EDIC EDITOR-2	THE PROBLEM WITH BASICO9	AUG	1987	
EDITOR-Z EDITOR	BBS PATCH (RAINBORD)	NOV	1984	48
EDITOR	SLICING PROGRAMS; ALSO PRINTER	MAY		191
EDPATCH	PATCH EDTASM; ALSO EDLOADER	FEB	1989	80
EDUCATE	ELEMENTARY EDUCATION DRILL	JAN	1983	92
EDUNOTES	INTEREST PAYMENT DEO	MAR	1985	176
EDUNOTES	SENTENCE DRILL	APR		162
EGGBERT	ACTION GAME	AUG	1985	130
ELECBOOK	UTILITY FOR ELECTRONIC LEARNING BOOK	NOV		31
ELECFORM	ELECTRICAL COST OF APPLIANCES	NOV	1987	_
ELECTION	KEEP TRACK OF ELECTION RESULTS	NOV		
ELECTION	POLLING PROGRAM	MAR	1988	70
ELECTION	SIMULATION GAME	NOV	1983	77
ELECTION	VOTING UTILITY	JUN	1984	65
ELECTRIC	CALCULATE ELECTRICITY COSTS	APR	1986	103
ELEMENTS	CHEMISTRY DRILL	MAR	1983	152
ELEMENTS	PERIODIC TABLE OF THE ELEMENTS	SEP	1983	37
ELEVATOR	ELEMENTARY EDUCATION	OCT	1985	28
ELEVATOR	ELEVATORS	JUN	1989	90
EMBROID	MAKE EMBROIDERY PATTERNS	DEC	1987	76
EMPLOYEE	SMALL BUSINESS PAYROLL	MAR	1985	61
EMPLOYER	SMALL BUSINESS PAYROLL	MAR	1985	72
ENCODER	SEE TRI-HANG	MAY	1985	141
ENCRYPT	CONSTRUCT CRYPTOGRAMS	APR	1988	73
ENCYCLO	ELEMENTARY SCHOOL DRILL	DEC	1984	175
ENERGY	GRAPHICS DEMO	OCT	1987	44
ENGINE	SIMULATION	SEP	1986	51
ENLARGE	PAR OF PICPRT		1986	
ENRAK	ADVENTURE GAME	AUG		
ENTRDATA	SEE BSKBINIT	FEB	1984	
ENTRTAIN	DATA FOR MUSIC+	JUN		
ENTRTANR	MUSIC DEMO	JUN		
ENVELOPE	PRINTS SELF-ADDRESSED ENVELOPES	MAR		
EOQCALC	OPERATIONAL RESEARCH EXAMPLE	MAR	1985	
EPROM	EPROM PROGRAMMER PUT DATA STRUCTURES ON DRAWING BOARD	AUG DEC	1984 1987	
ERASEPIX ERRMSC	MORE COMPLETE ERROR MESSAGES	JAN		172
ERRMSG	MORE COMPLETE ERROR MESSAGES	JAN		169
ESCAPE	GAME	JUL	1982	42
ESCHER	GRAPHICS UTILITY; ALSO PRINT200	AUG		75
ESPANOL	PROGRAMMING UTILITY	JUL		
EVENODD	DRILL FOR EVEN AND ODD NUMBERS	NOV		
EVICTOR	GAME	JUL		
EVIL EYE	GRAPHICS DEMO	APR		
EXAMPLE	CREATE VARIOUS CHARACTERS	APR		170
EXPLORE2	ADVENTURES IN MUSIC	JUN		79
EXPNS	MAINTENANCE SCHEDULES FOR UP TO 5 VEHICLES	APR	1988	
EXPTRAKR	BUSINESS EXPENSE MANAGEMENT	MAR		
EXTCHNGR	DISK UTILITY	OCT	1986	182
EYE Q	GAME	MAY	1985	164
EYECATCH	GRAPHICS DEMO	OCT	1988	87

EYESAVER	INVERSE VIDEO		1985	
EZLABELS	PRINT MAILING LABELS	APR		80
EZLIST	LISTING UTILITY		1984	
EZRUN	AUTO-RUN BASIC PROGRAMS	JUN		
EZSHOOT	GAME		1988	
F	ASSEMBLY GRAPHICS	OCT		
F15EAGLE	F-15 GROUND ASSAULT SIMULATOR	AUG		
FACE	GAME; ALSO BASND; SOUND	SEP		
FACE ONE	ANIMATION; ALSO FACE TWO; FACETEST	JAN		
FACES	GRAPHIC FACES	JAN		
FALLING	ANIMATION	APR		
FALLOUT	FALLOUT PREPARATION (ALSO FALLOUT2)	MAR		40
FAMILY	RIGHT BACK WHERE WE STARTED FROM	OCT		
FAMTREE	GENEALOGICAL AID	FEB		_
FANTASY	ADVENTURE GAME	JAN		
FASTCOPY	QUICKER DISK BACKUPS	JUL	1987	
FASTDISK	SPEED UP DISK I/O	NOV		
FASTFOOD	ESTIMATING EXPENSES	JAN	1988	54
FASTLIFE	GAME OF 'LIFE'	JUN		-
FDCAID	EXERCISE YOUR DRIVES	JUN		110
FIDDRW	DRAWING UTILITY	NOV	1989	39
FIFTHDIM	TUTORIAL ON ARRAYS	APR	1987	20
FILECOMP	DISK UTILITY	AUG	1988	36
FILEDATA	CONSTRUCT SINGLE DIMENSIONED STRING FILE	MAR	1988	74
FILELIST	DISK UTILITY	JUL	1982	30
FILEMAIN	RENTAL PROPERTY SYSTEM	MAR	1985	113
FILEREAD	READING DATA FILES	MAR	1988	74
FILES	CONTROLLER ATTACKS HALT LINE PROBLEM	AUG	1987	157
FILES.B09	STUDY OS-9 FILE STRUCTURE; ALSO FILES.C	MAY	1990	30
FILESIZE	OS-9 UTILITIES; ALSO FILEPIR ETC	FEB	1987	190
FILESRCH	DISK UTILITY	FEB	1986	96
FINALDEM	X-PAD DEMO	JAN	1983	84
FINANBAS	HIGH FINANCES; ALSO FINANBIN	AUG	1988	137
FINANCE	PERSONAL FINANCIAL 'TOOLBOX'	APR	1988	34
FIND	HANDY TOOLS; ALSO FINDIT; DISKDIR; CHECKDIR; DOD	JUN	1989	150
FIND	SEE SCREEN51	FEB	1985	116
FINDMAZE	ADVENTURE	FEB	1988	171
FINDWORD	EDUCATION	MAR	1986	153
FIRE	GRAPHICS CHRISTMAS SCENE	DEC	1982	34
FIRESTRM	GAME	JAN	1986	124
FISH	ASSEMBLY GRAPHICS	OCT	1985	118
FISHING	HI-RES GAME	JAN	1984	
FIXTIME	OS-9 UTILITIES; ALSO REBOOT	JAN	1987	
	FLAGS OF 6 NATIONS	MAY		
FLAGS	HI-RES FLAGS	OCT		
FLARGE	BONUS PROGRAM		1985	
	ASSEMBLY DEMO		1985	
	GET-PUT DEMO; ALSO DRILL1-2		1989	
FLCNLAIR	GAME		1985	
	DISK UTILITY	DEC		
	QUIZ GAME	SEP		
FLIGHT	FLIGHT DEMO	AUG		
FLIGHT	WINGING IT	AUG		
	GRAPHICS DEMO	MAR		
	GRAPHICS DEMO	MAR		
	BASIC BIRD WATCHING	MAY		
	STRATEGY GAME	MAY		
	OS-9 GAME	DEC		
FLSPRINT	DISK UTILITY	DEC		
	DISK UTILITY	DEC		
	INSTRUMENT FLIGHT SIMULATOR (ALSO FLTSIM16)	JUN		
	ALSO DISKFIX; FORMAT FIX	OCT		
FMENU	ALIBO DIBREIN; FORMAI FIX	OCI	T200	T#/

FMENU	ANOTHER CRY FOR STANDARDS; ALSO MOD1; MOD2	OCT	1988	147
FNANPLAN	MAKE FINANCIAL PROJECTIONS	MAR	1987	36
FOLKSONG	MUSIC	JUN	1987	76
FOLLOW	BUILD READING SKILLS	AUG	1989	64
FOLLOW	ELEMENTARY EDUCATION DEMO	OCT	1984	54
FOLLOWME	MUSIC	JUN	1987	79
FONEFIND	HOME HELP	AUG	1989	108
FONTDEMO	ADD HPRINT CAPABILITY TO PMODE4	MAY	1988	155
FONTGEN	COCO 3 UTILITY	MAY	1987	99
FONTMSTR	REPLACE COCO3'S BUILT-IN HPRINT FONT	OCT	1988	41
FONTPOKE	ADD HPRINT CAPABILITY TO PMODE4	MAY	1988	155
FONTSETR	FONT SELECTION MADE EASY	MAY	1989	68
FONTUTIL	CREATE VARIOUS CHARACTERS	APR	1988	170
FOOTBALL	GRAPHICS DEMO	DEC	1984	110
FOOTBALL	GRAPHICS DEMO	NOV	1984	179
FOOTBALL	IT'S A TOUCHDOWN	OCT	1987	83
FOOTBALL	PICK FOOTBALL WINNERS	DEC	1987	78
FORMAKER	CREATE FORMS ON IBM-COMPATIBLE PRINTERS	APR	1990	
FORMAT	TO FORMAT BASIC LISTINGS	MAY	1985	128
FORMATR	UTILITY FOR GEMINI PRINTER	JUN	1983	182
FORMATTR	LISTING FORMATTER	MAY	1987	91
FORMATTR	MASS DISK FORMATTER	SEP	1988	30
FORTUNE	FORTUNE TELLER	JUN	1989	28
FRACTAL	MATHEMATICS	MAR	1989	81
FRACTAL0	GRAPHICS DEMO (ALSO FRACTAL1-3)	JUL	1983	29
FRACTION	ELEMENTARY MATH AID	FEB	1983	_
FRACTION	FRACTION ACTION	MAY	1989	56
FRACTION	FRACTION MATH DRILL	FEB	1990	
FRACTION	TEACH FRACTIONS	SEP	1987	
FRACTION	VISUALIZING FRACTION	JUL	1989	91
FRACTMTN	FRACTAL GRAPHICS; ALSO JULIASET	OCT	1989	60
FREEBIT	BONUS-GRAPHICS DEMO	APR	1983	0
FREEDOM	GAME	AUG	1985	56
FREEZER	HOME HELP	APR	1987	37
FROSTY	GRAPHICS AND MUSIC	DEC	1989	20
FRP	ADVENTURE GAME	NOV	1982	68
FRP	ADVENTURE GAME AID	DEC	1982	50
FRP	ADVENTURE GAME AID	SEP	1982	23
FRPDAT	SEE FRP	NOV	1982	68
FRUITFLY	ACTION GAME	JAN		
FRUSTRAT	GAME	JAN		
FSTPAINT	PAINT DEMO	OCT		
FUNFACE	FREAKY FACE	OCT		
FUNSTATS	KEEP SOFTBALL STATS	JUN		
FUNWORDS	EDUCATIONAL CLOZE PROGRAM	NOV		74
GALACTIC	BBS GAME	NOV		
GALISAT2	TRACK MOONS OF JUPITER; ALSO GALISAT3	MAR		82
GALLERY	COCO 3 GRAPHICS	FEB	1988	85
GAMBLERS	GAMBLING GAME	DEC		
GAME 1	ADVENTURE GAME (ALSO GAME 2-4)	FEB	1984	
GASQUIZ	VERBAL MATH PROBLEMS	JUL	1988	
GATES	GAME	JUL	1986	
GAVOTTE	MUSIC	JUN		
GEMPRINT	GEMINI SCREEN PRINT	MAY		
GENFONT1	DESKTOP PUBLISHER; ALSO GENFONT2	OCT	1987	
GENLINK	TAPE UTILITY	JAN		
GENMENU	DESKTOP PUBLISHER; ALSO CONVERTL; CONVERTH	SEP	1988	
GENMENU	DESKTOP PUBLISHER; ALSO PATCHWPL; PATCHWPH	SEP	1988	
GENTEST	RAM DISK PROJECT; ALSO GENDRIVE	DEC	1989	
GEO GAME	STATES AND CAPITALS	SEP	1984	
GEORGE	GRAPHICS DEMO	NOV		
GERMAN	PROGRAMMING DEMO	APR		
CHITCHIA .	I NOOMHITING DIENO	AL K	1900	777

GETBUFFER	COMPRESS GRAPHICS SCREENS	DEC	1987	168
GETBUFFER	SOMETIMES BASICO9 ISN'T FAST ENOUGH	SEP		170
GETICON	OS-9 ICON EDITOR; ALSO SAVEICON ETC	NOV		112
GETIMAGE	SCREEN SAVE/DUMP PACKAGE	JAN		176
GETKISSMOUSE GETKISSMOUSE	PUT DATA STRUCTURES ON DRAWING BOARD THE EVOLUTION CONTINUES	DEC NOV		180 180
GETPUT1	GRAPHICS UTILITIES; ALSO GETPUT2-4	NOV	1986	158
GETWINATTR	COMPRESS GRAPHICS SCREENS	DEC	1987	168
GETWINATTR	SOMETIMES BASICO9 ISN'T FAST ENOUGH	SEP	1987	
GFX3	BUILD A BETTER MOUSETRAP	AUG	1988	182
GHOSTBST	GRAPHICS DEMO	JAN		38
GIFTLIST	GIFT GIVING LIST (PASCAL)	DEC	1984	297
GL	PRINTS EXPENSE LEDGERS	OCT	1982	20
GLOMMER	4K GRAPHICS	OCT	1983	122
GOLDPILE	INTEREST CHECKER	SEP	1984	54
GOLFER	GOLF GAME	MAR	1989	58
GOPHERIT	GAME	JAN	1986	20
GOSUB	BASIC FOR BEGINNERS	JAN	1988	37
GOSUBTUT	BASIC PROGRAMMING AID	JUN	1986	143
GOTOXY	OS-9 GRAPHICS; ALSO HGRAPH.C ETC	OCT	1986	196
GPARTY	GAME-HARDWARE PROJECT	MAR		58
GPDUMP	CGP-115 PRINTER UTILITY	MAY		_
GRADCALC	GRADING UTILITY	SEP		47
GRADE\$	TOTAL UP THE REPORT CARD	SEP		_
GRADEAVG	TEACHER'S REPORT	SEP	1983	_
GRADEBK	TEACHER'S AID	SEP	1982	9
GRADER	HELP TEACHER TOTAL SCORES	SEP	1987	76
GRADIR	PICTURE DIRECTORY	FEB	1987	88
GRAF-1	GRAPHICS DEMO (ALSO GRAF-2 TO GRAF-7)	MAY	1982	8
GRAFCODE GRAFDMP3	GRAPHICS REFERENCE CHART GRAPHICS DEMO	MAY OCT	1988 1983	92 304
GRAFDUMP	GRAPHICS DEMO	OCT	1983	298
GRAFICOM	PICTURE DEMO	APR		227
GRAFMESS	BBS SYSTEM	NOV		24
GRAFTEXT	ADD CAPTIONS TO PICTURES	MAY		
GRAFTRAN	GRAPHICS CREATION TRANSFER	OCT	1987	-
GRAFXXX	X-PAD UTILITY	JAN	1983	84
GRAGSALE	GARAGE SALE RECORD KEEPER	MAY	1984	156
GRAPH	FIND POINTS ON A GRAPH	APR	1986	138
GRAPH	GRAPHICS	AUG		107
GRAPH	MATHEMATICS TEACHING AID	SEP	1987	106
GRAPH	PLOT A PIE-GRAPH	FEB	1984	55
GRAPHGEN	PRINTER UTILITY	MAY	1987	36
GRAPHIC	GRAPHICS DEMO	SEP	1982	32
GRAPHIC1	3-D PICTURES	SEP		
GRAPHIC2	3-D PICTURES	SEP		
GRAPHIC3	3-D PICTURES	SEP		
GRAPHICS	GRAPHICS DEMO	NOV		
GRAPHICS	GRAPHICS DEMO (PASCAL)	APR		
GRAPHIT	DEVELOP GRAPHS	MAR		86
GRAPHPRO	PROGRAMMING UTILITY; ALSO DEMO	OCT		27
GRAPHS	TEACH LINE GRAPHS		1987	
GRAVGRID	GRAPHICS DEMO	OCT		
GRAVITY	EDUCATIONAL GAME	JAN		
GRDELST	SEE SPELTEST	OCT	1984 1986	31 19
GREETING GREETING	GRAPHICS HOLIDAY GRAPHICS	DEC		
GROCERY	HOLIDAY GRAPHICS HOME HELP	APR		
GROCHART	GROWTH CHART	FEB		
GROLIST	CREATE GROCERY LIST	SEP		
GSAVE	GRAPHICS UTILITY; ALSO GLOAD; MAKEPIX	MAR		156
GUESSWHO	GUESS WHO PROGRAM	JUL		83
· · · · · ·		552		

GUIDE	ELEMENTARY SCHOOL DRILL	NOV		256
GUITAR	DISPLAY GUITAR CHORDS	JUN		
GUITAR3	MUSIC	FEB		112
GUITARS	GRAPHING GREAT GUITARS	JUN		56
H&SPELL	SPELLING TUTOR	FEB		
HALELUJA	DATA FOR MUSIC+	JUN		52
HALLEY86	HALLEY'S COMET FINDER	APR		84
HALOWEEN HAM UTIL	GRAPHICS ADVENTURE	OCT		
	HAM RADIO LOG SHEET HAM RADIO UTILITY	DEC		0 <b>41</b>
HAMFREQ HAND OFF	GAME	DEC FEB		
HANDIMAN	CALCULATE HOME EXPENSES	APR		163
HANDLEMENU	PUT DATA STRUCTURES ON DRAWING BOARD	DEC	1987	
HANDLEMENU	THE EVOLUTION CONTINUES	NOV		
HANDLER	DISK UTILITY	NOV		104
HANDSIGN	BONUS SIGN LANGUAGE	SEP		0
HANGMAN	GAME	AUG		_
HANGMAN	GAME	FEB		40
HANOI	GRAPHICS DEMO	OCT		21
HANOI	TOWERS OF HANOI GAME	FEB		
HANOI	TOWERS OF HANOI GAME	NOV		42
HANUKKAH	GRAPHICS FOR HANUKKAH	DEC		
HARDCOP1	GRAPHICS SCREEN DUMP	MAY	1986	97
HARDCOP2	GRAPHICS SCREEN DUMP	MAY	1986	98
HARDCOPY	PRINT CONTENTS OF SCREEN	MAR	1984	124
HEADING	TUTORIAL; ALSO HOMEWORK	NOV	1986	46
HEADSUP	BOGGLING YOUR MIND	FEB	1989	91
HEALTH	HEALTH QUESTIONNAIRE	NOV	1982	124
HEART	FIXES TO RECENT PROGRAMS	APR	1988	146
HEART	GRAPHIC SIMULATION	JUN	1987	106
HEART	GRAPHICS DEMO	MAY	1986	176
HEART	GRAPHICS TO DEMO HEART FUNCTION	OCT	1985	164
HEBWRITE	AID TO PRINTING HEBREW CHARACTERS	DEC	1986	36
HECONOMY	ECONOMY PRINTER BUFFER	JUN	1989	100
HEIST	HI-RES GAME	MAY	1984	195
HELIHERO	HELICOPTER HERO	MAR	1988	42
HELLO	DISK UTILITY	AUG	1985	70
HELPDRAW	PART OF HEART	OCT	1985	168
HELPMATE	CREATE ONLINE ASSISTANCE FOR ANY PROGRAM		1988	
HEXHAPPY	HEXADECIMAL DRILL	JUL		151
HEXTUTOR	HEXADECIMAL DRILL	APR		
HFDRIVER	CREATE VARIOUS CHARACTERS	APR		
HI-Q	GAME	JUN		99
HI	GRAPHICS DEMO	JUL		
HIDEDIR	DISK UTILITY	OCT		52
HIPMAS	CHRISTMAS MUSIC	DEC		28
HIRESJOY	PROGRAMMING THE HI-RES JOYSTICK INTERFACE	FEB		122
HITME	GAME	JAN		76 122
HOGGRACE	GAME GRAPHICS UTILITY	JAN FEB		
HOGSPACE HOLIDAY	GRAPHICS DEMO	JAN		150
HOME	GRAPHICS DEMO	JAN		26
HOME	PICTURE OF A HOUSE	MAY		21
HOME ROW	TYPING DRILL	JAN		
HOMEBDGT	HOME FINANCE	JUL		60
HOMEBDGT	HOME FINANCIAL ANALYSIS	MAR		77
HOMEFIN	HOME FINANCE	MAR		90
HOMEUTIL	UTILITY BILL CALCULATOR	MAR		64
HOMONYM	QUIZ ON HOMONYMS	APR		77
HOMONYMS	RANDOM NUMBER DEMO	FEB		16
HOMRUN	PROGRAM FOR PLUG-N-POWER CONTROLLER	AUG		84
HORROR	A FRIGHTFULLY GOOD TIME	OCT	1987	20

HORSE	BASKETBALL GAME	NOV		131
HOSSRACE	GAME	APR	1983	28
HOTCOLD	HOT STUFF	MAY		76
HOTEL	GAME; ALSO SETUP	FEB	1987	
HOURGLAS	PROGRAMMING UTILITY	JAN		
HOUSE\$	HOME OWNERSHIP QUESTIONNAIRE	MAR		
HOUSEVAL	DETERMINE HOUSE VALUE	APR		80
HOW	NUMBER GUESSING GAME	NOV		-
HRGCOM	GRAPHICS SAVE AND LOAD UTILITY	NOV		41
HRLOAD	DUMP TO THE CGP-220	MAY		42
HRSAVE	DUMP TO THE CGP-200	MAY		42
HURICANE	HOME HURRICANE TRACKING STATION	OCT		
HURRTRAK	WEATHER	APR		26
HYRES	ML GRAPHICS DEMO	OCT		92
ICE	GAME (ICE LANDER)	JUN		25
ICOEXP	LANDLORD PROGRAM	APR		_
IDEAS 2	EDUCATION-CHOOSE A TOPIC TO WRITE ABOUT	SEP	1983	
IDENTKIT	DRAW A FACE	OCT		
IDIOMS	ELEMENTARY EDUCATION	JUN		84
ILLUSION	GRAPHICS DEMO	OCT		_
ILLUSION	OPTICAL ILLUSION	MAR		28
ILLUSION	OPTICAL ILLUSIONS	JUN		
IMAGE	DUMP PMODE 3 AND 4 SCREENS IN COLOR	MAY		58
IMAGES	INTRODUCTION TO IMAGE PROCESSING	FEB	1984	
IMMORTALITY	FIND NUMBER OF MEN IN A GAME	AUG	1988	76
INCOMTAX	FROM FEB 1983 PAGE 18-INCOME TAX	APR		0
INCOMTAX	INCOME TAX AID	FEB	1983	
INDY4K	SHORT GAME	AUG	1985	90
INFLTION	EFFECT OF INFLATION	MAR	1984	76
INIT36	DISK UTILITY	OCT	1983	51
INITMEMB	BBS PATCH (RAINBORD)	NOV	1984	48
INMAN1	GRAPHICS DEMO	OCT	1982	17
INMAN1	GRAPHICS DEMO (ALSO INMAN2-3)	DEC	1982	41
INMAN1	GRAPHICS DEMO (ALSO INMAN2)	JAN	1983	106
INPUT	FULL SENTENCE INPUT ROUTINE	APR	1985	112
INSTALL	CHANGE ROMS	DEC	1984	36
INSTALL	FOR CRUN	FEB	1986	54
INSTRFLT	SIMULATION GAME-FLIGHT	AUG	1984	75
INTEREST	INTEREST CALCULATOR (PASCAL)	MAR	1985	253
INTEREST	LIL' OLE INTEREST REVISITED	APR	1989	18
INTRFACE	ASSEMBLY DEMO	AUG	1985	102
INVADERS	ACTION GAME	MAR	1983	218
INVERSE	INVERSE SCREEN; ALSO STUTTER1	SEP	1986	165
INVERTER	GRAPHICS DEMO	JAN	1986	46
INVITE	BIRTHDAY PARTY INVITATION	JAN	1983	74
INVITE	PRINT INVITATIONS; FLYERS; ALSO INVIFORM	MAY	1989	46
INVNTORY	HOME INVENTORY MANAGER	APR	1988	42
INVTREND	USE IT TO TIME INVESTMENT DECISIONS	MAR	1988	94
IRA PROJ	PENSION PROJECTION	AUG	1984	86
IRAKEOGH	RETIREMENT PLANNER	APR	1986	71
ITALICS	EMPHASIZE WITH DMP 105	AUG	1988	53
<b>J&amp;E(L3)</b>	LOGO FOR MATH CLUB	SEP	1983	56
JACKET	DISK JACKET DESIGNER	NOV	1987	26
JETPACK	ACTION GAME	JUL	1985	108
JETPLANE	MUSIC	JUN	1987	79
JIGSAW	NEWCOMER'S HINTS	DEC	1985	100
JINFILE	JUMBO INFORMATION FILE HANDLER	NOV	1984	169
JK DRAW	JOYSTICK DRAWING	MAR	1983	166
JNKFOOD1	GAME	NOV	1984	92
JNKFOOD2	GAME	NOV	1984	
JNKFOOD3	GAME	NOV	1984	95
JNKFOOD4	GAME	NOV	1984	99

JOB DESC	CREATE JOB DESCRIPTIONS	JAN		
JOPLIN	DATA FOR COMPOSER (DEC 83)	JUN		57
JOYCHECK	CHECK OUT YOUR JOYSTICKS	AUG	1987	91
JOYCOLOR	GRAPHICS DEMO	JAN	1986	45
JOYIN	DEMO OF JOYIN ROM CALL	AUG	1982	8
JOYSCORE	GAME UTILITY	AUG	1986	83
JOYSTICK	JOYSTICK DEMO	MAR	1985	232
JOYZAP	MINDING YOUR X'S AND Y'S	AUG	1988	77
JSTKLINE	JOYSTICK DEMO	JAN	1986	228
JSTKQUAD	JOYSTICK DEMO	JAN	1986	229
<b>JSTKTEST</b>	JOYSTICK DEMO	JAN	1986	228
JSTKTEST	WIRELESS JOYSTICK TEST	JUN	1985	105
JUKEBOX	BLAST FROM THE PAST	JUN	1988	96
JULIE	DATABASE PROGRAM	APR	1986	159
JUMBLE	READING AND DECODING SKILLS	JUN	1988	74
JUMBLE2	SCRAMBLED WORD GAME	JUN	1990	50
JUNGLE	4K GRAPHICS GAME	AUG	1984	19
KCE	KEYBOARD CASSETTE CONTROLLER	JAN	1985	45
KDYBOD	DRIVER FOR CALCULATOR KEYBOARD CONVERSION	DEC	1983	209
KEY BEEP	KEYBOARD UTILITY	FEB	1987	125
KEYBOARD	MUSIC DEMO	DEC	1988	93
KEYBOARD	TYPING TUTOR	MAR		
KEYEDIT	BREAK KEY DISABLE	JAN		26
KEYFUN	ELEMENTARY EDUCATION GAME	JAN		
KEYPOWER	ADD FUNCTIONS TO VARIOUS KEYS	OCT		72
KEYSBIN	ADD TO OPERATING SYSTEM; ALSO KEYAHEAD	AUG		
KILLER	ROLEPLAYING UTILITY	AUG		
KINDERFUN	EDUCATION FOR THE YOUNG	SEP	1989	
KINGBOOT	GUILD OF THE KINGMAKER	APR		
KINGLOOT	A FOURTH-GENERATION DATABASE LANGUAGE	FEB	1988	
KISSDMENU	GRAPHICS	JAN		160
KISSDRAW	PRIMITIVE DRAWING TOOLS	SEP		160
KISSDRAW2	OS-9 GRAPHICS	OCT		
KISSDRAW2 KISSDRAW4	THE EVOLUTION CONTINUES	NOV		
KISSDRAWPUT	PUT DATA STRUCTURES ON DRAWING BOARD	DEC		180
KOLARDES	RANDOM GRAPHICS	JAN		
KOLAROLA	PLAY TUTORIAL	FEB	1986	
KROMICO	GRAPHICS DEMO	OCT	1985	20
KUNG FU	GAME		1986	
KUNG FU KWICDRAW	GRAPHICS UTILITY	MAY		
KYBOMB	ELEMENTARY SCHOOL GAME	AUG		
-	LABEL MAKER			
LABEL.C	LABEL PRINT UTILITY	MAY		
		JAN		
LABELER	CASSETTE LABEL MAKER	JUN		
LABELER	MAKE DISKETTE LABELS	DEC		
LABELS	MAILING LABELS	MAY		
LADDER	TRIGONOMETRY GAME	JUL		
LANDERGG	LUNAR LANDER; ALSO LANDER	MAY		
LANDLORD	GAME LIKE MONOPOLY	JUL		
LANGTRAN	LANGUAGE REVIEW	FEB		
LANGTUT1	LANGUAGE TRANSLATOR PART 2	AUG		
LANGTUTR	LANGUAGE TRANSLATOR	JUL		
LASRWORM	ACTION GAME	NOV		
LAYOUT	INTERIOR DECORATING AID	JUN		
LBLKBOOK	PHONE BOOK PROGRAM	NOV		
LCLALARM	BURGLAR ALARM	JAN		66
LCPATCH2	CUSTOMIZE YOUR LANGUAGE; ALSO LCPATCH3	JUN		168
LE LUTIN	ADVENTURE GAME	JUL		
LEAKY	GAME	JAN		
LEMONADE	SIMULATION GAME	APR		60
LETRGETR	LEARNING YOUR ABC'S	SEP		
LETRHEAD	LETTERHEAD LOGO	APR	1982	46

LETRMMRY	SHORT GAME	AUG	1985	91
LETRSKIP	ELEMENTARY EDUCATION	AUG	1985	85
LETRSNUM	KEYBOARDING	JUN		48
LETRWRITR	A MINI WORD PROCESSOR	APR	1988	48
LETTER	PRINTING IN TWO COLUMNS	MAY	1988	95
LETTERS	DRAW ALPHABET ON HI-RES SCREEN	MAY	1985	
LETTERS	MYSTERY OF THE TANDY ANAGRAM	MAY	1988	_
LG DUMP	LARGE SCREEN DUMP FOR PROWRITER	MAY	1985	20
LICEN-LR	'COMPUTER LICENSE' FOR SCHOOLS	OCT	1983	
LICENSE	'COMPUTER LICENSE' FOR SCHOOLS	OCT	1983	_
LIFESKL2	LIFE SKILLS MATH DRILL	APR	1986	
LIFESKL4	MATH DRILL	AUG	1986	
LIFESKL6	METRIC SYSTEM	APR	1987	76
LIGHT'N'	GRAPHICS DEMO	APR	1983	16
LIGHTPEN	LIGHT PEN DEMO (ALSO LITEPEN2)	APR	1983	90
LIL E 1 LIL E 2	IMPROVED EDITOR	OCT	1984	
LIL E Z	IMPROVED EDITOR GRAPHICS DEMO	OCT MAY	1984 1986	
	GRAPHICS DEMO GRAPHICS DEMO	OCT	1985	18
LINEDRAW LINEDRAW	LAYING IT ON THE LINE	JAN		
LINES	RANDOM DISPLAY OF LINES	AUG	1983	
LINES LINK2	SEE GENLINK	JAN	1985	
LINK2	SEE GENLINK	JAN	1985	
LINK4	SEE GENLINK	JAN	1985	
LINK5	SEE GENLINK	JAN	1985	
LION	GRAPHICS	JUL	1989	
LIQUID	LEARN LIQUID MEASUREMENT	NOV		62
LISTER	LISTING UTILITY	APR	1987	
LISTER	LISTING UTILITY	JAN		_
LISTING1	COCO MOUSE UTILITY; ALSO LISTING2-3	SEP	1986	_
LISTING1	DRAW DEMO	AUG	1985	
LISTING1	EDIT TUTORIAL	APR	1985	
LISTING1	ELEMENTARY DRILL-SENTENCES	MAR	1985	102
LISTING1	GRAPHICS DESIGN; ALSO LISTING2-3	JAN	1990	87
LISTING1	GRAPHICS PLOTTING; ALSO LINEBAS ETC	JAN	1987	181
LISTING1	LO-RES GRAPHICS DEMO	OCT	1984	92
LISTING1	TUTORIAL	JAN	1985	88
LISTING1	TUTORIAL	MAY	1984	117
LISTING1	USING THE DRAW STATEMENT	JUN	1985	158
LISTING1	WORKING QUADRANTS	FEB	1990	52
LISTING2	51 COLUMN UTILITY	DEC	1984	254
LISTING2	DRAW DEMO	AUG	1985	177
LISTING2	ELEMENTARY DRILL-SENTENCES	MAR	1985	102
LISTING2	NEWCOMER'S HINTS	DEC	1985	108
LISTING2	SEE PLAYBOOK	MAR	1984	96
LISTING2	SEE TRAPPERR	AUG	1984	65
LISTING2	TUTORIAL	JAN	1985	88
LISTING2	TUTORIAL	MAY	1984	
LISTING2	USING THE DRAW STATEMENT	JUN		
LISTING3	ELEMENTARY DRILL-SENTENCES	MAR	1985	103
LISTING3	SEE PLAYBOOK	MAR	1984	96
LISTING3	SEE TRAPPERR	AUG	1984	
LITTLE E	IMPROVED EDITOR	APR		
LLISTER	LISTING UTILITY	JAN		
LLISTER	PRINTER UTILITY	MAY		
LOADER	BBS UTILITY	FEB	1986	
LOADER	DEBUGGING WITH WORDFIND	FEB	1988	155
LOADER	RANDOM GRAPHICS	NOV	1988	75 20
LOADMASK	PROGRAMMING UTILITY; ALSO LOADER	FEB	1987	20
LOADPIX LOADPIX	GRAPHICS UTILITY FOR 'ART GALLERY' PUT DATA STRUCTURES ON DRAWING BOARD	OCT DEC	1984 1987	134 180
LOADPIX	AMORTIZE A LOAN	OCT	1982	70
LOM	TENOMITAL A DOM	001	1902	, 0

LOCATE	OS-9 UTILITIES; ALSO FIXGFX		1989	
LOCATOR	DISK UTILITY	JUL		
LOCKOUT	DISK FILE PROTECTION	DEC		
rocococo	GRAPHICS DEMO	JUN		
LOGSHEET	HAM RADIO UTILITY	DEC		
LONNIE.BIN	DISK JACKET DESIGNER	NOV		
LOOK	ARTIFACT COLORS ON COCO3'S RGB	FEB		
LOTTO48	LOTSA LUCK!	JUN		
LOTTOGEN	PICK YOUR NUMBERS	JAN		
LOVECARD	GRAPHICS	FEB		
LP78DMPS	SCREEN DUMP EXTRAORDINAIRE	OCT		
LSBDATA	PART OF ROTATE	MAY		
LTRWRITER	LETTER WRITING PROGRAM ADVENTURE GAME	JAN MAR		
LURKLEY LWRSEDIT	BBS LOGON MESSAGE EDITOR	NOV		
MACDATA	MACHINE LANGUAGE TO BASIC DATA CONVERTER	DEC		
MACLIST	AN OS-9 CONVERT SPEAKS OUT	_	1983	_
MACVIEW	VIEW MACPAINT PICTURES ON COCO	JUL		
MADADDER	MATHEMATICS GAME	SEP		
MAGIC3	COCO HAS ALL THE ANSWERS	NOV		
MAGICSOR	A MAGIC SQUARE	AUG		
MAGPARTS	SHARPEN REFERENCE SKILLS	JUN		
MAILLABL	MAILING LABELS	NOV		
MAIN	MAINTENANCE SCHEDULES FOR UP TO 5 VEHICLES	APR		58
MAINMENU	TALKING SPELLING TUTOR; ALSO SPELLER ETC	JUL		
MAJUNGA	TUTORIAL ON STRING COMMANDS; ALSO ROMAN ETC	JAN		
MAKECMDGEN	PATCHES, PROGRAMS AND POLITICS	MAY		
MAKPIP2	SCREEN SAVE/DUMP PACKAGE	JAN		_
MAKPIPE	COMPRESS GRAPHICS SCREENS	DEC		
MANAGER	MEMORY MANAGER; ALSO SAMPLE	MAY		78
MANDEL	COCO3 MANDELBROT	JAN	1990	76
MANDO	MUSIC AND GRAPHICS DEMO	JAN	1989	58
MANYPOLY	GRAPHICS DEMO	APR	1983	110
MAPMNDER	X-PAD DEMO	NOV	1983	293
MAPPER	ADVENTURE MAP PRINTER	AUG	1987	90
MAPPER	READING EXERCISE	NOV	1988	40
MAPSCALE	SCALE DRAWINGS	MAY	1987	112
MARATHON	ACTION GAME	OCT	1983	19
MARKUP	BUSINESS UTILITY	APR	1990	116
MARKUP	SMALL BUSINESS APPLICATION	MAR	1984	21
MARQUEE	GRAPHICS DEMO	FEB	1983	204
MARQUEE	TITLE AND MENU SCREENS	MAR	1986	102
MARTIAN	MERRY MARTIAN	OCT	1987	79
MARYNOTE	MUSIC DEMO	OCT	1989	58
MARYSONG	SEE AND HEAR MUSIC SAMPLE	SEP		
MASH16K	TRIVIA GAME	AUG		67
MASH32K	TRIVIA GAME		1984	
MASTER1	ASSEMBLY TUTORIAL		1984	
MASTER2	ASSEMBLY TUTORIAL		1984	
MASTER3	ASSEMBLY TUTORIAL		1984	
MASTERMND	GAME LIKE MASTERMIND		1983	
MATCH	COMPUTER DATING	FEB		
MATCH	CONCENTRATION-LIKE GAME	SEP		
MATCHING	MATCHING QUIZ	APR		
MATH	MATH PRACTICE	SEP		
MATHDRIL	DRILL FOR MATHEMATICS	SEP		
MATHDRILL	MATH DRILL	MAY		76
MATHGAME	EDUCATIONAL MATH GAME	JAN		
MATHGEN	TEACHER'S WORKSHEET GENERATOR	AUG		
MATHGEN2 MATHGEN2	MATH PROBLEM GENERATOR MATH PROBLEM GENERATOR	DEC NOV		
MATHLAB	MATH QUIZ WITH SPEECH	FEB		122
. W. T. IIII EID	THILL KOID WITH DIDDON	r iii	1703	122

MATHMINR	MATH QUIZ	JAN		
MATHPAL	ELEMENTARY EDUCATION DRILL	JAN		
MATHPLAY	TEACH MATH	JUN		
MATHPROB	TEACHER'S MATH PROBLEM GENERATOR	AUG		
MATHQUIZ	ELEMENTARY MATH QUIZ	SEP		_
MATHQUIZ	NUMBER RELATIONSHIPS	JAN		
MATHSHOT	SHOOTING MATH	JUN	1989 1987	
MATHTCHR	MATH CAN BE FUN			
MAXCMP	GRAPHICS UTILITY	SEP	1985	
MAXLC MAZEBLDR	MODULAR PROGRAMMING TECHNIQUES SEE RAT MAZE	MAY		
MAZEGAME	SHORT GAME		1985	
MAZEWAY	GAME		1990	
MC10CONV	MC-10 CONVERSION ROUTINE		1983	
MCDRAW	CHECKERS GAME; ALSO MCLOAD	NOV		
MCQUIZ	MULTIPLE CHOICE QUIZ GENERATOR	JAN		
MCQUIZ	MULTIPLE CHOICE TEST GENERATOR		1984	_
-	GENERATE MEDICAL AUTHORIZATION FORM	APR		
MEDIC3	KEEP MEDICAL EXPENSES RECORDS	FEB		
MEMCHECK	AID TO ENTER ML PROGRAMS	MAR		
MEMDIAG	DIAGNOSTIC PROGRAM	FEB		_
MEMDUMP	AUTO EXECUTE TAPE PROGRAMS	FEB		
MEMEX1	EXAMINE MEMORY CONTENTS (ALSO MEMEX2)	DEC		
MEMOCARD	MEMORY GAME	AUG		
MEMOMAKE	MEMO MAKER AND KEEPER	JAN		
MEMORY	CONCENTRATION-LIKE GAME	JAN		
MEMORY	GAME		1983	202
MEMORY	WHAT'S MISSING	AUG	1988	79
MEMSCAN	UTILITY TO SCAN MEMORY ADDRESSES	APR	1984	124
MENORAH	CHANUKAH GRAPHICS	DEC	1985	196
MENUGEN	COCO DRAW UPDATE	OCT	1987	98
MENUGEN	GRAPHICS UTILITY; ALSO COCODRAW	OCT	1986	59
MENUTUTR	MENU UTILITY	JAN	1987	158
MERGE	CASSETTE MERGE UTILITY	FEB	1985	161
MERLIN	GRAHPICS; ALSO WIZARD; LATECOCO; MAGICIAN	JUL	1986	27
MERRO	ADVENTURE GAME	FEB	1984	28
MERYXMAS	ANIMATED GRAPIC XMAS CARD	DEC	1983	205
MESSAGE	BULLETIN BOARD MESSAGES	MAY		37
MESSAGE	GRAPHICS DEMO	FEB	1987	124
MESSAGE	MYSTERY MESSAGE	OCT		176
MESSAGES	MESSAGE CENTER	JUL		45
METEOR3	GAME	OCT		
METRIC	COOKING WITH METRIC MEASURES	MAY		
METRNOME	ELECTRONIC METRONOME	JUN		
MILELOG	PRINTER DEMO	MAY		
MINDMSTR	GAME	SEP		
MINDSTIM	GUESSING GAME	MAY		
MINICAD	COMPUTER AIDED DESIGN	OCT		59 60
MINICALC	SPREADSHEET PROGRAM	OCT		60
MINIDATA	SIMPLE DATABASE MANAGEMENT PROGRAM	JUN		152
MINIDOS MINIGOLF	VIRTUAL DISK DEMO GAME	JUL MAY		48 52
MINIMON	MACHINE LANGUAGE MONITOR	OCT		38
MINIVENT	ADVENTURE GAME AID	MAR		
MINIVENT	DEMO OF ADVENTURE PROGRAMMING TECHNIQUE	FEB		
MIRORPIX	MIRROR IMAGE	OCT		
MISNLTR	ELEMENTARY EDUCATION GAME	JAN		
MISSILES	ACTION GAME	AUG		
ML-DATA	CONVERT ML PROGRAMS TO BASIC	AUG		100
ML GEN	TRANSFER FILES OVER PHONE	DEC		37
MLCASSET	ML CASSETTE I/O	OCT		
MLEDITOR	MUSIC PROGRAM	DEC		86
		_	-	-

MLNOTES	ML MUSIC	MAR	1989	30
MLSONG	MUSIC PROGRAM	DEC	1987	86
MMDIR	DISKS NAME MISCL.	JUN	1989	92
MNUTWALZ	MUSIC DEMO OF CHOPIN	JUN		
MOCALC	SPREADSHEET	APR		
MOD ART	RANDOM GRAPHICS ART	JAN		24
MODE4PRT	UTILITY FOR OKIDATA ML92 PRINTER	MAY	1985	93
MODIFY	GRAPHICS UTILITY; ALSO DOMODIFY	JUN	1990	
MOIRE	GRAPHICS DEMO	OCT		
MOIRE	GRAPHICS DEMO	OCT		_
MOIRE1	GRAPHICS DEMO (ALSO MOIRE2-4)	NOV		
MONEYJAR	COUNT YOUR MONEY	SEP	1987	_
MONO3	COCO3 OUTPUT TOMONOCHROME MONITOR	JUL	1988	
MONSMENU	ADVENTURE GAME UTILITY	JUN		
MONSTERS	ADVENTURE GAME AID	OCT	1982	
MONTEST	SPREADSHEET PROGRAM	MAR	1988	146
MOON	GRAPHICS DEMO	JAN	1990	32
MOREPOLY	GRAPHICS DEMO	APR	1982	10
MORSE	HAM RADIO DISCUSSION	JAN	1989	145
MORTAR	GAME	DEC	1986	29
MORTGAGE	MORTGAGE CALCULATIONS	MAR	1986	164
MOSAIC	LO-RES GRAPHICS DEMO	AUG	1985	42
MOUSE	MOUSE UTILITY; ALSO LINES; DISKTIME	JUL	1986	121
MOYCULLEN	ADVENTURE GAME	APR	1986	60
MPG	AUTO COSTS	APR	1987	73
MPP BASIC	MOTION PICTURE PROGRAMMING	MAY	1982	36
MR ED	IMPROVED EDITOR	JUN	1983	140
MS2COCO	MSDOS TO COCO TRANSFER	JUN	1986	185
MSGCENTR	HOME MESSAGE CENTER	NOV	1984	31
MSTRMSGR	COMPOSE BBS MESSAGE OFF-LINE	NOV	1983	43
MULTIRES	GRAPHICS UTILITY	JUL	1989	66
MULTO	GAME TO LEARN MULTIPLICATION	JUN	1985	18
MUS1	FROM SCALES TO MOZART	JAN	1988	72
MUS11812	1812 OVERTURE	JUN	1984	67
MUSFEST	4TH OF JULY MUSIC	JUL	1985	20
MUSIC	MUSIC DEMO	JUN	1984	185
MUSIC	SEE AND HEAR MUSIC	SEP	1983	219
MUSIC+	MUSIC SYNTHESIZER	JUN	1984	77
MUSIC+	UPDATED SYNTHESIZER PROGRAM	JUN	1986	51
MUSIC+TR	MUSIC UTILITY	JUN	1987	94
MUSIC101	MUSICAL SIGNS	FEB	1990	62
MUSIC102	MUSICAL SIGNS	APR	1990	118
MUSIC103	MUSICAL SIGNS; ALSO FIXER	MAY	1990	36
MUSICPRO	MUSIC PROGRAM	JUN	1988	80
MUSPAPER	MAKE MUSIC SHEET PAPER	JUN	1986	24
MUSXMENU	MUSIC UTILITY	JUN	1987	49
MVSHELL	ANOTHER GREAT BEGINNING	JUN	1988	180
MVSHELL	SEE MVSHELL; ALSO SIGTESTTWO; SKIPMUF	JUL	1988	174
MVSHELL	SENDING THE RIGHT SIGNALS; ALSO SIGTESTONE	JUL	1988	174
MYSTERY	LEARNING GAME	SEP	1984	91
NAMES	ADVENTURE GAME AID	MAY	1984	113
NAMESONG	NAME THAT TUNE GAME	JUN	1985	163
NEIGHBR1	GRAPHICS; ALSO NEIGHBOR2-3; ETC	OCT	1989	78
NEW YEAR	GRAPHICS AND MUSIC DEMO	JAN	1987	29
NEWBOOTS	MEMORY UTILITY	MAY	1987	186
NEWCOMER	GRAPHICS	OCT	1989	66
NEWGAME	GALACTIC CONFLICT	NOV	1987	
NEWMAZE	ADVENTURE	FEB	1988	171
NEWSCOST	INTERPRETING A NEWSPAPER DELIVERY CHART	AUG	1988	80
NEWSREEL	HOME NEWS SCREEN	DEC		92
NEWTIME	TEACH CHILDREN TIME	MAY		
NFL-16	FOOTBALL STATS	JUL		54
			•	

NFLS	NFL SCHEDULES	JUN		12
NICE.A	OS-9 UTILITY	APR		_
NICE.ASM	OS-9 UTILITY	MAR		96
NICKEL-D	MUSIC	AUG		
NMBRBMPR	ARCADE GAME	OCT		
NMBRJACK	MEMORY GAME	MAY		28
NMBRMATCH	UTILITY FOR ELECTRONIC LEARNING BOOK	NOV		_
NO SMOKE	NON-SMOKING SECTION	MAY		
NODRUGS	GRAPHICS	SEP		
NONGRAPH	GRAPHICS DEMO	SEP		72
NONINER	GAME	OCT		38
NORMAL	PART OF PICPRT	MAY		79
NOSCROLL	PROTECT AREA OF THE SCREEN FROM SCROLLING	NOV		74
NOSMOKE	GRAPHICS-ANIMATION PROGRAM	NOV		40
NOTECARD	NOTE CARDS	MAY		78
NOTETUTR	PIANO NOTE TUTOR	JUN		_
NOTLIKE	REASONING, COLORS AND SHAPES	OCT		
NUCOLORS	ADD MORE COLORS TO HSCREEN4; ALSO DEMO	OCT		
NUKESIM	NUCLEAR SIMULATION	APR		
NUM QUIZ	NUMBER BASE CONVERSION QUIZ	JAN		_
NUMBERS	ELEMENTARY EDUCATION GAME	JUN		
NUMBERS	HI-RES PRINTING OF NUMBERS	APR		
NUMBTEXT	SOUND UTILITY	JUN		
NUMFILE	DATABASE FOR PHONE NUMBERS	NOV		
NUMMEN	NUMBER PICKING GAME	SEP		_
NUMREVUE	NUMBER FUN FOR THE VERY YOUNG	AUG	1987	97
NUTCRCKER	DEMO FOR COMPOSER	DEC		_
NYMATCH	GAME OF WORD CONCEPTS	AUG		
NYMS	REVIEW OF SYNONYMS	MAY	1988	88
OASIS	ELEMENTARY EDUCATION	JUL	1985	80
OASIS	ELEMENTARY SCHOOL GAME	MAY	1985	181
OASIS	HINTS ON THE PEEK COMMAND	JUN	1985	229
OBJECTIV	GENERATE EDUCATIONAL OBJECTIVES	MAY	1986	135
OCNVRT	TERMINAL PART OF ORCHESTRA90	SEP	1985	95
ODDSENDS	THE KOLAR PROGRESSION	JAN		96
OFFICE	CREATE INVOICES AND LABELS	APR	1989	44
OLYMPICS	OLYMPIC SYMBOL	AUG	1984	156
ONE	ARCADE GAME; ALSO TWO; THREE; FOUR	JUL		58
ONHOLD	SOUND AND GRAPHICS DEMO	JUN	1986	18
OPOSITE1	BASIC VOCABULARY		1988	
OPOSITE2	SEE OPOSITE1	AUG	1988	90
OPPOSIT	EDUCATION GAME	AUG	1982	41
OPTICL	OPTICLA ILLUSION	MAR	1983	28
ORATORY	CONTEST SCOREKEEPER	SEP	1985	182
ORBITSIM	SIMULATE ORBITAL PARAMETERS	JUL	1984	188
ORDER	MAIL ORDER GENERATOR	AUG	1982	19
ORDER 1	MAIL ORDER GENERATOR	MAY	1985	173
ORDER 2	MAIL ORDER GENERATOR FOR OKIDATA 92	MAY	1985	176
OUTPOSTS	GAME	FEB	1983	34
P178&GL	PREPARE BEFORE YOUR PAINT	OCT	1987	82
PAC EM	ACTION GAME	JAN	1984	70
PACE 1	RACE HANDICAPPER	MAY	1986	117
PAD 1	X-PAD DEMO (ALSO PAD2-PAD8)	JAN	1983	84
PAGE	GENEALOGY AID	SEP	1987	102
PAGER	128K UTILITY	DEC	1984	168
PAGER	GETTING GRAPHIC	OCT	1988	48
PAGER	MEMORY EXAMINER	APR	1983	82
	GRAPHICS DEMO	AUG	1985	76
PAINTCAR	DEMO OF PAINT	SEP		
	SEE CONVERT	MAR		
PAIR16	16 POSITION PAIRINGS	OCT		
PAIR8	8 POSITION PAIRINGS	OCT		

PAKXFER	PAK TO DISK TRANSFER	DEC	1987	_
PAL32	COLOR IN 32 COLUMNS	MAY	1988	93
PALINDRM	THE MYSTERY OF THE TANDY ANAGRAM	MAY	1988	170
PALPRINT	COCO 3 GRAPHICS	FEB	1988	85
PAPERS	BOOKKEEPING SYSTEM FOR NEWSPAPER CARRIERS	MAR	1988	36
PAR6V10	DISK UTILITY	DEC	1984	158
PAR6V11	DISK UTILITY	DEC	1984	
PAR7V10	DISK UTILITY	JAN	1985	
PAR7V11	DISK UTILITY	JAN	1985	
PARAJUMP	ACTION GAME	DEC	1983	177
PARAJUMP	GAME	DEC	1982	76 150
PARAJUMP	TRIGONOMETRY GAME	JUL	1985	
PARALIFT	TRIGONOMETRY GAME GAME	JUL MAY	1985	
PARAMISS PARIBET	GAMBLING GAME	APR	1987 1984	195
PARIBEI	GRAPHICS DEMO	MAR	1983	102
PARRECT PART 1	BASIC TRAINING; ALSO ALT; ALT1 ETC	MAR	1983	102
PART1	GAME(SUPER-ROOTER)	MAY	1986	28
PART2	GAME(SUPER-ROOTER)	MAY	1986	31
PASSWORD	RANDOM PASSWORD GENERATOR	NOV	1987	_
PATBOOK	MAKE A BOOKLET	MAY	1990	40
PATCH	ARTIFACT COLORS ON COCO 3'S RGB	FEB	1988	
PATCH	BBS PATCH (RAINBORD)	NOV	1984	45
PATCH10	DISK UTILITY	SEP	1984	79
PATCH11	DISK UTILITY	SEP	1984	79
PATROL	GRAPHICS DEMO	JUL	1984	75
PATTERNS	ELEMENTARY EDUCATION	JUL	1985	83
PATTERNS	NUMBER PATTERNS	JUN		229
PATTERNS	NUMBER PATTERNS GAME	MAY	1985	182
PAUSE	OS-9 UTILITY	MAY	1987	_
PAYASO	CLOWN GRAPHICS	SEP	1988	74
PAYMENTS	CALCULATE MONTHYLY PAYMENTS	JAN	1988	82
PAYROLL	BOOKKEEPER'S HELPER	MAR	1987	97
PEEKASSO	DRAWING PROGRAM	JAN	1987	30
PEELCLS	PEELING GRAPHICS	FEB	1988	154
PENGUIN	ADVENTURE GAME	FEB	1985	36
PENGUIN	GAME	APR	1990	12
PENTPUZL	PUZZLING PENTOMINO	DEC	1988	164
PERIMETR	FIND AREAS OR PERIMITERS	APR	1984	44
PERMS	THE MYSTERY OF THE TANDY ANAGRAM	MAY	1988	170
PERSAVE	HOME FINANCE	NOV	1984	132
PERSLOGO	PRINTING IN TWO COLUMNS	MAY	1988	95
PERT	PROJECT EVALUATION REVIEW TECHNIQUE	MAR	1985	142
PETSTORY	LANGUAGE ARTS	MAR	1989	28
PFRMDIVE	DIVING GAME	SEP	1985	164
PHONE	ELEMENTARY EDUCATION DRILL	NOV	1982	82
PHONE	HOME HELPER	AUG	1985	128
PHONICS	FUN WITH PHONICS	MAR	1988	89
PHOTOTAG	CREATE LABELS FOR PHOTO ALBUM	DEC	1987	46
PIANO	MUSIC-PIANO KEYBOARD	JUN		19
PIANO	MUSIC	JUN	1987	
PIANOBAS	SOUND SYNTHESIZER	JUN		
PIANOBIN	SOUND SYNTHESIZER	JUN		
PIANOSRC	SOUND SYNTHESIZER	JUN		
PIBASIC	PI TO 10,000 DIGITS	APR	1986	
PICGRAPH	SHOW CHILD'S DAILY SCHEDULE	SEP		45
PICMAKER	SEE PUZLSTIX	JAN	1984	187
PICPRT	GRAPHICS SCREEN DUMP	MAY		73
PICSTICK	SHORT GAME	AUG		88
PICTBOOK	ANIMATION FILM FESTIVAL	OCT		
PICTURE	MOTION PICTURE PROGRAMMING	MAY		36
PICTURES	BUILDING ON SKILLS	NOV	1988	146

PIECHART	DRAW MULTI-COLOR PIE CHARTS	JAN	1989	44
PIEGRAPH	PLOT A PIE-GRAPH	JAN		
PIEGRAPH	PLOT A PIE-GRAPH	MAR		-
PILOT	HI-RES AIRPLANE GAME	MAR		68
PINEW	PI TO 10,000 DIGITS	APR	1986	_
PIPEIT	BACK TO THE DRAWING BOARD	JAN		
PIPELINE	GAME	JUN		
PITCHER	CALIBRATE YOUR EARS	JUN		78
PIXDUMP	SCREEN DUMP UTILITY	JUN		250
PIXFILES	TRANSFER GRAPHICS FILES	FEB	1986	28
PIXGEN	GRAPHIC UTILITY	MAY		64
PIZZA	ENTERTAINMENT  CDARWIGG DEMO	NOV		28 74
PLAID	GRAPHICS DEMO	JAN APR		
PLANTLOG PLAYBACKPIX	WATER PLANTS ON SCHEDULE THE EVOLUTION CONTINUES	NOV		_
PLAYBOOK	AID TO SPORT'S COACH	MAR		88
PLAYCONV	MUSIC	AUG		110
PLOTTER	UTILITY FOR CGP-115 PRINTER	DEC		
PLUGNPOW	PLUG N' POWER UTILITY	FEB		160
PMODE4	SCREEN PRINT DUMP	JUL		262
PNPCLOCK	REAL TIME CLOCK	APR		21
POETRY	RHYMING WORDS	DEC		32
POINTBAS	ML MADE BASIC; ALSO POINTBIN	NOV		
POKE1	GAME; ALSO POKE2	JUN		
POKER	GAME	APR		
POKER	GAME	MAR		99
POLYGONS	GRAPHICS DEMO	DEC	1983	
PONG	GAME	SEP	1982	41
PONGBIN	AL FOR THE COMPLETE NOVICE; ALSO PONGBAS	NOV	1988	80
PORSCHE	DRAW A CAR	APR	1985	240
PORTRAIT	A TRIBUTE TO THE COCO2	JUN	1989	22
POST	MAILING LIST PROGRAM	MAR	1988	104
POSTCARD	POSTCARD MAKER	MAY	1984	86
POSTRPTR	PRINTING POSTERS WITH DMP-130	MAY	1988	116
POWER	OPEN RS232 PORT FOR CONTINUOUS FEED	OCT	1982	73
PR	PRINT UTILITY FOR OS-9	JUN	1989	136
PREFIX	HAM RADIO CALL SIGNS	FEB	1983	110
PRESDENT	PRESIDENTIAL DRILL	NOV	1988	102
PRESDNTS	PRESIDENTS DRILL	FEB	1987	46
PRESIDNT	PRESIDENTIAL FACTS	SEP	1986	153
PRESIDNT	TRIVIA GAME	OCT		
PREVIEWPIX	PUT DAT STRUCTURES ON DRAWING BOARD	DEC		
PRIME-TBL.C	AN OS-9 CONVERT SPEAKS OUT	JUL		
PRINTBUF	HARDWARE PROJECT	MAY		
PRINTDIR	DISK DIR UTILITY	MAR		
PRINTER	THE PROBLEM WITH BASICO9	AUG		
PRINTMAT	PRINT FORMATTER	MAY		
PRINTUNE	PRINT THAT TUNE!	JUN		
PRNTFONT	FONTS FOR CMP-105	MAY		
PRNTHDG	CHANGE PRINT STATEMENTS TO PRINT #-2	FEB		
PRNTLINE	AL INTERRUPTS; ALSO LINETABL; ANALYZE	AUG		170 51
PRNTUTIL PROBABLE	PRINTER UTILITIES PROBABILITY TUTOR	SEP		24
PROG1	LITTLE GRAPHICS LIBRARY; ALSO PROG2-4	NOV AUG		102
PROMNADE	ANIMATED GRAPHICS DEMO	JUL		0
PROMNADE	ANIMATED GRAPHICS DEMO	JUN		
PROS1	ADVENTURE; ALSO PROS2; SCRN1; SCRN2; MAKEPROS	DEC		
PROTECT	CSAVE PROTECTIONS UTILITY	JAN		
PRT	PRINTER UTILITY	FEB		83
PRTGEM	SEE MCQUIZ	SEP		
PRTMAJIC	PRINTER UTILITY	MAY		
PRTVII	SEE MCQUIZ	SEP	1984	64
· <del>=</del>	- <del>~</del> -			

PSGDEMO	I/O INTERFACE DRIVER	AUG	1984	_
PSGDRVR	I/O INTERFACE DRIVER	AUG		144
PSYCHIC	MAY THE FORCE BE WITH YOU	JUL		85
PSYCHO	PSYCHEDELIA	JAN		61
PTRNBLKS	SHAPE GAME	JAN		41
PULSBEAT	ESTIMATE PULSE RATE	JUL	1988	84
PUMPKIN	GRAPHICS DEMO	OCT OCT	1982	104
PUMPKIN	GRAPHICS DEMO REVIEW PUNCTUATION MARKS	OCT	1986 1985	108 46
PUNCQUIZ PUT1	GRAPHICS DEMO	JAN	1985	24
PUT2	GRAPHICS DEMO	JAN	1985	24
PUTBUFFER	SCREEN SAVE/DUMP PACKAGE	JAN	1988	176
PUZLMAKR	JIG SAW PUZZLE	OCT		73
PUZLSTIX	GAME LIKE JIG-SAW PUZZLE	JAN		185
PUZZLE	BACK TO SQUARE ONE	JAN		74
PUZZLE	CROSSWORD PUZZLE	DEC	1985	111
PUZZLE1	PERPLEXING PUZZLES; ALSO PUZZLE2 ETC	JUN	1989	140
PWDIR.C	TUTORIAL OS-9 UTILITY	JUN	1990	44
Q-NERD	LIKE Q-BERT	MAY		176
QCKFIND	ALPHABETIC LIST OF UP TO 10 DISK DIR	DEC	1983	164
QGRASS	GAME	JAN	1990	38
QLATOR	SIMULATE A NUMERIC KEYPAD	MAR	1989	84
QSORT	SORTING UTILITY	JUL	1983	120
QSORT ML	ML SORT PROCEDURE	AUG	1983	204
QSORTDIR	ML SORT PROCEDURE	AUG	1983	204
QSORTTST	ML SORT PROCEDURE	AUG	1983	202
QUADDRAW	GRAPHICS DEMO	OCT	1983	77
QUADRATC	SOLVE QUADRATIC EQUATIONS	JUN	1990	49
QUEENS	CHESS LIKE PUZZLE	OCT	1987	28
QUICKZAP	DISK UTILITY	DEC	1985	129
QUIKDRAW	GRAPHIC UTILITY	AUG	1989	24
QUILT	HIGH-TECH QUILTING BEE	APR	1988	75
QUIZ 1	TRUE-FALSE QUIZ (ALSO QUIZ 2-3)	JUL	1984	164
QUIZMAKR	TEACHER'S AID	JUN	1984	110
RACER	HI-RES RACING GMAE	MAR	1985	128
RACES	HORSE RACE GAME	APR	1984	85
RADIALS	DRAW DEMO	OCT	1985	85
RADIO	GRAPHICS DEMO	OCT	1986	113
RADIO	MUSIC AND GRAPHICS DEMO	APR	1986	
RAID	GRAPHICS DEMO	OCT	1986	113
RAIDERS	GAME DDG GYGWEN	NOV	1986	52
RAINBORD	BBS SYSTEM GRAPHICS PROGRAM	NOV		29 36
RAINBOW RAINBUG	ML MONITOR	JAN APR	1983	44
RAINBUG	ML MONITOR	AUG	1983	
RAINBUG	ML MONITOR	JUL		
RAINBUG	ML MONITOR	JUN		
RAINBUG	ML MONITOR	SEP	1983	308
RAINDEX	INDEXING PROGRAM	JAN		126
RAINDROP	GRAPHICS DEMO	OCT	1983	77
RAINSIGN	TEACH SIGN LANGUAGE	SEP	1985	40
RAINTEXT	WORD PROCESSOR PART I	JUN	1983	76
RAINTEXT	WORD PROCESSOR PART II	SEP	1983	291
RAM	CUSTOMIZE YOUR PROGRAMMING LANGUAGE	JUN	1988	168
RAMDISK	PROGRAM A RAM DISK; ALSO COPY	JAN	1989	110
RANDOLF	ADVENTURE GAME (FROM JAN 83 PAGE 26)	FEB	1983	0
RANDOM	GAME UTILITY; ALSO SLOTS	DEC	1989	116
RANDOM	RANDOM NUMBER DEMO	MAY	1982	44
RAPDREAD	READING EXERCISE	JUL	1985	130
RAT MAZE	GAME	MAY		108
RATIOS	RATIONAL THINKING (MATH)	SEP	1986	38
RBCPLUS	RAINBOW CHECK IMPROVED	FEB	1984	24

				_
RBOADE	ADVENTURE GAME		1982	9
RBOLIST	HOME HELP	AUG		
RBOWCHECK	RAINBOWCHECK UTILITY	JAN		95
RCIRCSIN	GRAPHICS DEMO	OCT		21
RCKFEST2	GRAPHICS DEMO	JUL		
REACTION	LEFT BEATS RIGHT	JUN		89
READ.B	PRINTER UTILITY; ALSO READ.C	DEC		
READBIN	READ BINARY DISK FILE AND PRINT OUTPUT	DEC		
READHI	HI-RES INTERFACE UTILITY	FEB		42
READPROG	SPEECH/SOUND CARTRIDGE	OCT	1987	
REALTIME	HOME HELPER	AUG		104
REALTIME	REAL TIME CLOCK	JUN		83
RECEIPT	BUSINESS AID	MAR		24
RECEIPT	PRINT RECEIPTS	MAR		72
RECIPE	PRINT OUT RECIPES	APR		
RECIPES	DATABASE FOR RECIPES	APR		_
RECORDPIX	THE EVOLUTION CONTINUES	NOV		
REDCHASE	RED SCREEN GRAPHICS	NOV		
REDGREEN	BOARD TYPE GAME	SEP		168
REDUCE	PART OFFICPRT	MAY		75
REFERNCE	CROSS REFERENCE DRILL	SEP		
REFSHEET	LIST PRINTABLE ASCII CODES	JAN		44
REFUND	KEEP TRACK OF REFUND OFFERS	APR		
REG POLY	GRAPHICS DEMO	APR		
REM	MAINTENANCE SCHEDULES FOR UP TO 5 VEHICLES	APR		58
REM2DEMO	BBS UTILITY	DEC		-
REM2DEMO	BBS UTILITY	NOV		
REMOT232	TELECOMMUNICATIONS	NOV		70
REMOTE	BBS SYSTEM	NOV		
REMOTE	REMOTE OPERATION OF COCO	NOV		_
REMOTE	UPDATE TO BBS; ALSO BASLOAD; REMDEMO	NOV		110
REMOTE2	BBS GAME	NOV		78
REMOTE2	BBS UTILITY	NOV		108
REMOTELD	BBS UTILITY	DEC		0
REMOTELD	BBS UTILITY	NOV		
REMOVREM	REMOVE REM STATEMENTS	OCT		_
RENGMANG	RENTAL PROPERTY SYSTEM RENTAL PROPERTY SYSTEM	MAR		108
RENTMENU	AUTO REPEAT; ALSO REPEAT	MAR	1989	
REPEAT.ASM REPEATIT	MEMORY GAME		1986	
REPORT	HELP AT TAX TIME	APR		
REPTGENR	BUSINESS EXPENSE MANAGEMENT	MAR		
RESCUE	LUNAR RESCUE	AUG		
RESISTOR	TEACH COLOR CODES OF RESISTOR	JUL		
RESTORE	BASIC UTILITY	FEB		
REV DEMO	REVERSE VIDEO DEMO		1983	
REVENGE	GAME		1983	
REVERSE	GAME	JUL		
REVERSE1	REVERSE PMODE4 GRAPHIC; ALSO REVERSE2-4	FEB		
REVFIELD	KEEP TAX RECORDS IN ORDER	JAN		
REVFIELD	REVERSE VIDEO UTILITY (BASIC)	AUG		
REVFLDML	REVERSE VIDEO UTILITY (AL)	AUG		
REVOLVE	GRAPHICS DEMO	APR		
REVTYPE	ASSEMBLY DEMO	AUG		
RGBDEMO	AN RGB DEMO	JAN		
RHYMER	SONGWRITER'S AID	JAN		
RINGBELL	RESULTS FROM PROGRAMMING CONTEST	JAN		
RINGS	ADVENTURE GAME AID	JUL		
	MUSIC AND GRAPHICS DEMO	JUN		
	READABILITY ESTIMATE	JUN		
	SCREEN SAVE/DUMP PACKAGE	JAN		
	COMPRESS GRAPHICS SCREENS	DEC		

RMTALARM	BURGLAR ALARM	DEC		63
RND LAB	SCHEDULER FOR TEACHERS	SEP	1983	19
RNDROBIN	TOURNAMENT ORGANIZER; ALSO INPUT	APR	1987	-
RNDWALK	RANDOM WALK DEMO	JAN	1983	130
ROACH	GAME	JUN	1983	38
ROAD II	LEARN TRAFFIC SAFETY RULES	DEC	1987	52
ROADRACE	ROADRACING GAME	NOV	1984	37
ROADSKIL	ROAD SKILLS INSTRUCTOR	SEP	1987	
ROBOCISE	EXERCISE COMPANION	FEB	1986	
ROBOFLIP	GAME	MAR		
ROBOMATH	MATH QUIZ	SEP	1985	20
ROBOT	ROBOT UTILITY; ALSO RBT22SRC	FEB	1987	_
ROCKET	ANIMATED GRAPHICS DEMO	JUL	1985	0 58
ROCKET ROCKFEST	ANIMATED GRAPHICS DEMO GRAPHICS DEMO	JUN MAY	1985 1984	94
ROCKYTOP	MUSIC AND GRAPHICS OF NASHVILLE	JUN	1988	36
ROLLUP	ADVENTURE GAME CHARACTER GENERATOR	DEC	1983	231
ROMANMRL	LEARN ROMAN NUMERALS	SEP	1988	71
ROMANS	ROMAN NUMERAL SKILLS	APR	1987	
ROMRAM	ADD HPRINT CAPABILITY TO PMODE4	MAY	1988	155
ROOMMATE	ORGANIZE EXPENSES	OCT	1988	14
ROS TEST	ROBOT UTILITY	JAN	1987	
ROTATE 1	PRINTER UTILITY	MAY	1986	121
ROTATE 2	PRINTER UTILITY	MAY	1986	
ROTATE3D	3-D PROGRAM; ALSO DRIVER; ALTOROTAT	MAY	1989	82
ROTRECT	GRAPHICS DEMO	MAR	1983	102
ROULETTE	GAMBLING GAME	APR	1984	28
RSDIR	OS-9 READS RS DIRECTORYS	OCT	1989	90
RTR	GAME (SUPER-ROOTER)	MAY	1986	28
RTTY	TELECOMMUNITCATIONS	NOV	1986	36
RUDOLPH	XMAS GRAPHICS	DEC	1985	21
RULEOF78	CALCULATE LOAN PAYOFFS	MAR	1988	100
RULEOF78	INSTALLMENT LOAN PAYMENTS	MAR	1986	36
RULER	TEACH HOW TO USE A RULER	JUN	1986	119
RULERRDR	ELEMENTARY EDUCATION-USE A RULER	SEP	1983	124
RUN4LIFE	ACTION GAME	APR	1985	20
RUNNER 1	RUNNING GAME	MAR	1984	171
RUNNER 2	SEE RUNNER 1	MAR	1984	173
RUNNER 3	SEE RUNNER 1	MAR	1984	174
RVSLINE	SIMULATE A CITY PLANNER	JAN	1988	58
SAFECRKR	SAFE CRACKING GAME	AUG	1983	290
SAFESAVE	DISK SAVE UTILITY	DEC	1987	76
SAILDAT	SEE SAILOR	OCT	1982	76
SAILOR	SAIL BOAT GAME	OCT	1982	76
SALESREG	CASH REGISTER CONVERSION	AUG	1983	143
SAMPLE	ASSEMBLY DEMO	AUG	1985	104
SAMPLE	PEELING GRAPHICS	FEB	1988	154
SAMPLE	PMODE DEMO	JAN	1984	156
SAMURAI	GAME	MAR	1990	114
SANDWORM	GAME	AUG	1986	19
SANTA	GRAPHICS GAME	DEC	1986	124
SAR 27	3D GRAPHICS	JAN	1983	170
SAUCER	GAME	APR	1987	
SAUCER	GAME	MAR	1986	109
SAVE&RUN	SAVING PROGRAMS ON DISK	FEB	1988	155
SAVEIMAGE	COMPRESS GRAPHICS SCREENS	DEC	1987	
SAVEDTY	SAVE ML PROGRAMS TO DISK PUT DATA STRUCTURES ON DRAWING BOARD	APR	1982	42 180
SAVEPIX	FINANCIAL PROGRAM	DEC FEB	1987 1987	127
SAVINFOR SCALEDRV	AL MANDELBROT; ALSO SCALEMAN; SCALE1	MAY	1987	22
SCALEDRV SCALER	GRAPHICS UTILITY	OCT	1990	166
SCALER	SEARCH BASIC PROGRAM FOR STRING	OCT	1984	248
PONTONI	SEEMEN DEDIC INCOMMITTON DINING	001	<b>1</b> 90 <b>1</b>	210

SCF EDI	BBS UTILITY	JAN		147
SCOPE	KALEIDOSCOPE	SEP	1989	63
SCOPE	OSCILLOSCOPE; ETC	MAR	1990	40
SCOREBRD	BASKETBALL SCOREBOARD	SEP	1987	42
SCOREBRD	KEEP TRACK OF HARD WON SCORES	AUG	1987	36
SCORING	HI-RES ON SCREEN SCORING	APR	1982	40
SCRAMBLE	PICTURE PUZZLES	SEP	1986	108
SCRAMBLR	WORD SCRAMBLER FOR SPELLING TESTS	SEP	1984	132
SCREEN	GRAPHICS UTILITY	JAN	1986	176
SCREEN51	51 COLUMN UTILITY	DEC	1984	253
SCREEN51	51 COLUMN UTILITY	FEB	1985	112
SCREEN51	51 COLUMN UTILITY	JAN		248
SCREENCL	SCREEN CONTROL UTILITY	MAR	1983	84
SCRIPT	CURSIVE WRITING WITH CGP-115	MAY	1985	69
SCRIPT	EDUCATION - HELP SLOW READER	DEC	1983	194
SCRLDEMO	ALL THE RIGHT MOVES; ALSO FASTSCRL	DEC	1988	116
SCRLDEMO	GRAPHICS UTILITY; ALSO SCROLL ETC	SEP	1989	48
SCRNDUMP	SCREEN DUMP EXTRAORDINAIRE; ALSO SCRNDMPS	OCT	1987	30
SCRNDUMP	SCREEN DUMP FOR PROWRITER PRINTER	MAY	1985	
SCRNFONT	GRAPHICS PRINT FONT STYLES	MAY	1988	36
SCRNLIST	ML ADDRESSES	JUL	1988	82
SCRNQUIZ	TEACHER'S AID	JUN		108
SCRNSAVE	PREVENT SCREEN BURNIN	DEC	1988	108
SCRNTYPE	ASSEMBLY DEMO	AUG	1985	98 26
SCROLL	SCREEN SCROLLING MADE EASY	OCT	1987	
SCROLLP	SCROLL PROTECTION UTILITY	NOV		46 113
SDC	DISK UTILITY	JUN SEP	1988	45
SEATCHRT SEAWAR	CLASSROOM SEATING CHART SEA WAR	AUG	1988	20
SELECTON	SORTING; ALSO BUBBLE; SHELL; QUIKSORT	NOV	1988	160
SENTENCE	RECOGNIZING COMPLETE SENTENCES AND FRAGMENTS	JUN	1988	154
SENTENCE	SENTENCE CONSTRUCTION DRILL	FEB	1985	240
SEPARATE	MONEY MANAGEMENT; ALSO CREATE; ADDRECRD	MAR	1989	88
SEPARATE	MONEY MANAGEMENT; ALSO RITEREAD; TIMER	MAR	1989	88
SERL6V10	DISK UTILITY	DEC	1984	158
SERL6V11	DISK UTILITY	DEC	1984	
SERL7V10	DISK UTILITY	JAN	1985	166
SERL7V11	DISK UTILITY	JAN	1985	168
	USE WITH SETPRT		1986	
SETDATE	UTILITY TO CHANGE FORMAT OF DATE	FEB		142
	CHANGE PRINTER PARAMETERS IN PASCAL	MAY		223
	KEEP TAX RECORDS IN ORDER	JAN	1988	112
	PUT DATA STRUCTURES ON DRAWING BOARD	DEC	1987	180
SG10SET	PRINTER UTILITY	MAY	1987	108
SHADOW	MUSIC DEMO	JUN	1986	44
SHEET	WORKSHEET PRINTER	MAR	1988	73
SHIFTS	ML MATH PROGRAM	FEB	1989	96
SHOOTEM	COCO CALIBER	APR	1988	74
SHOOTN	ROOTIN' TOOTIN' SHARPSHOOTIN' COCO	AUG	1987	105
SHOPLIST	COMPUTERIZED SHOPPING LIST	APR	1986	219
SHOPPING	RESTAURANT RECKONINGS	FEB	1988	76
SHORTEN	MODIFICATION TO BANNER (MAY 86; PAGE 150)	NOV	1986	55
SHORTHND	KEYBOARD UTILITY	FEB	1984	191
SHOW	GRAPHICS UTILITY; ALSO LOADER	JUL	1986	26
SHPS&CLR	ELEMENTARY EDUCATION GAME	JAN	1984	212
SHUFFLE	GAME	JUL	1983	196
SHUTRBUG	GAME	OCT	1983	70
SHUTTLE	DRAW DEMO	AUG	1985	177
SHUTTLE	GRAPHICS DEMO	MAY	1984	133
SIEGE2	ML TRICKS FROM A BASIC GAME	NOV		54
SIEVE	CALCULATE PRIME NUMBERS IN BASICO9	NOV		188
SIGN	GRAPHIC SIGN MAKER	FEB	1983	110

SIGNATUR	COPY YOUR SIGNATURE	MAY		52
SIGNS	ELEMENTARY MATH GAME	AUG		
SIGNS	PRINTER UTILITY	JUN		198
SIMON	COCO SAYS	FEB		89
SIMPLDRA	SIMPLE DRAW GRAPHICS DEMO	JUN		93 90
SIN-COS SINFONIA	MUSIC BY J.S. BACH	JUN NOV		
SINGCARD	MUSICAL HOLIDAY GREETING	DEC		
SINGLONG	MUSIC ENTERTAINMENT	JUN		37
SKETCH	JOYSTICK PAINTING	OCT		_
SKIPMUF	ANOTHER GREAT BEGINNING	JUN		
SKIPRINT	LIST CASSETTE FILES TO PRINTER	JAN	1986	43
SLASH	PRINTER UTILITY	JUL	1984	87
SLOPAINT	PAINT DEMO	OCT	1983	62
SLOPEFNL	GRAPHICS	JUL	1989	108
SLOTCORE	GAME HINT; BASIC TUTORIAL	MAR	1989	130
SLOTS	GAME	OCT	1988	88
SLOTS	SLOT MACHINE FOR COCO3	JUN	1990	12
SLOWLIFE	GAME OF 'LIFE'	JUN		
SLTMACHN	GAMBLING GAME	APR		
SMASH	GAME	JAN		
SMASSHOW	CHRISTMAS GRAPHICS	DEC		
SMF EDI	BBS UTILITY	JAN		150 80
SMH SMOOTHY	COBBS UPDATE SCREEN SCROLLING IN 40 COLUMN MODE	NOV JAN		
SMP EDI	BBS UTILITY	JAN		
SNAKE	DEMO OF ML GRAPHICS GAME	JAN		
SNAKER	LO-RES ACTION GAME	JAN		_
SNDCTRL	SOUND CONTROL	JUN		
SNDSTORY	SOUND DEMO	OCT		_
SNEAKY	SNEAKY SNAKE	AUG	1987	26
SNKCHASE	GAME	JAN	1986	100
SNOFLAKE	GRAPHICS	AUG	1989	107
SNOW	GRAPHICS; ALSO BACKGRND; MAGIC	DEC	1989	12
SOA	GRAPHICS DEMO	DEC	1984	247
SOCCER	SOCCER INSTRUCTION	AUG		48
SOLTAIR3	ADD COLOR TO SOLITAIRE	DEC	1988	36
SOLTAIRE	GAME	DEC		76
SONGGAME	NAME THAT TUNE GAME		1986	
SONGRITR	MUSIC	SEP	1989	
SONGS	MUSIC DEMO	DEC		10
SONGS SONGTIME	NAME THAT TUNE GAME ELEMENTARY EDUCATION GAME	JUN JAN		
SONGWRTR	CREATE AND EDIT SONGS	JUN		42
SORTBAS	GENERAL MATH; ALSO SORTBIN	JUL		
SOUND	OS-9 SOUND; ALSO TESTSOUND	JUL		126
SOUND	SOUND SYNTHESIS	OCT		88
SOUND 2	SOUND UTILITY	FEB		166
SOUNDBSE	MAKE DIFFERENT SOUNDS	JUN		
SOUNDCAS	PLAY DEMOS	JUN	1986	63
SOUNDISK	PLAY DEMOS	JUN	1986	65
SOUNDOFF	MUSIC AND SOUND EFFECTS	JUN	1987	81
SOUNDOFF	TIMEKEEPER FOR GAMES	MAY		
SOUNDPZ	BASICO9 PHONEME RECOGNITION	JUN		
SPACRACE	MATH GAME	FEB		70
SPEAK2ME	GRAPHICS DEMO	OCT		
SPECTRUM	GRAPHICS DEMO	OCT		112
SPEEDMTH	MATH QUIZ	DEC		127
SPEEDSTR	RACING CAR GAME	AUG		86 56
SPELDOWN SPELDRIL	LANGUAGE ARTS GAME SPELLING SKILLS	JUL SEP		56 78
SPELDRIL	TALKING SPELLING TUTOR; ALSO ROMRAM; SETHELP			42
DE BUILER	TALKING DIEBBING TOTOK, ABSO KOMKAN, SETHELP	PEC	1900	74

SPELLER	TALKING SPELLING TUTOR; ALSO TAKETEST	DEC	1988	42
SPELLING	SPELLING TEST	MAR		
SPELLKEY	FIXES TO RECENT PROGRAMS	APR	1988	
SPELPRAC	SPELLING WORKSHEET GENERATOR	JAN		_
SPELPUZL	SPELLING TUTOR	SEP		
SPELTEST	SPELLING TEST	OCT		
SPIDERS	GRAPHICS DEMO	APR		_
SPINNER	GRAPHICS DEMO	APR		
SPINNER	GRAPHICS DEMO; ALSO CIRCLES; IPOPPER	APR		
SPLIT	UTILITY; ALSO MAKESPLIT	MAR		
SPOOK	PUMPKIN GRAPHIC	OCT		
SPOOLBAS	COCO3 PRINTER SPOOLER	MAY		
SPOOLER	OS-9 PRINTER SPOOLER	DEC		
SPOOLER	PRINT SPOOLER	JUN		
SPRAYCAN	GRAPHICS PROGRAM	OCT		
SPREAD	SPREADSHEET	APR		
SPREAD2	SPREADSHEET PROGRAM ENHANCED	MAR		_
SPREE	GAME	JUL		
SPRINGBD	BONUS PROGRAM	SEP		-
SRLIST	PROGRAMMING UTILITY		1986	
SSBANNER	MUSIC AND GRAPHICS FOR 4TH OF JULY	JUL		-
ST FBALL	SIMULATION GAME	AUG		
STAFF	MUSIC NOTE TUTORIAL	DEC		68
STARDEF	GAME	SEP		
STARFIND	ASTRONOMY HELPER	SEP		56
STARLORD	GAME		1986	
STARMAP	CREATE A MINI-PLANETARIUM	JUN	1982	
STARPANT	GRAPHICS; ALSO PAINT 1-4	JUL		
STARS	A STAR LIKE A WHEEL	MAR		_
STARS	GRAPHICS DEMO	NOV		
STARS	SHORT DEMO FOR CHILDREN	AUG		
STARSONG	GRAPHICS DEMO	MAR		-
STARTUP	BBS SYSTEM	DEC		
STARVIEW	GRAPHICS DEMO	APR		81
STATEMEN	SEND OUT AN INVOICE	NOV		98
STATES	STATES AND CAPITALS	SEP		60
STATION	CREATE STATIONERY	JAN		
STATS	LITTLE LEAGUE STATISTICS	JUL		92
STATS	STATISTICS TUTORIAL		1983	
STDLTR	WRITE YOUR XMAS LETTERS	DEC		
STKINDEX	STOCK MARKET INDEX	MAR		
STKMARKT	SIMULATION GAME	AUG		
STNDGLAS	GRAPHICS DISPLAY OF STAINED GLASS WINDOW	AUG		
STOCK	INVENTORY CONTROL	MAR		
STOCK	MONITOR STOCK PERFORMANCE; ALSO GRAPH	MAR		
STOCKCAR	SIMULATION GAME	JUL		72
STOCKS3	PLAY STOCK MARKET; ALSO STOCKS2	NOV		
STOP IT	GAME	MAR		
STORM	THE STORM	JUN		
STORYWRT	PARTY GAME	JUL		
STRATA	ACTION GAME	MAY		20
STRINGS1	TUTORIAL ON STRING COMMANDS; ALSO STRINGS2	OCT		
STRIPLF	USE WITH MS2COCO	JUN		
STRUMMER	MUSIC UTILITY	JUN		
STYLIST	EPSON PRINTER SETUP	MAY		
SU	OS-9 LOG-ON UTILITY	DEC		
SUB HUNT	GAME DATABASE; ALSO REALMENU; MARBLE1; MARBLE2	MAR FEB		
SUBDEMO	FIXES TEXT OR SCREEN	APR		
SUBRTINE				
SUBSERCH	SUB SEARCH ELEMENTARY EDUCATION	MAR		
SUBTRACT SUCCESS		FEB JAN		
POCCEDO	ADVENTURE	OAN	<b>190</b> /	100

			1006	1-0
SUL EDI	BBS UTILITY	JAN		
SUM128	SPREADSHEET PROGRAM	MAR		
SUPERCLS	ENHANCED CLS COMMAND	FEB		
SUPERPOKE	PROGRAMMING UTILITY	JUN		
SUPRNOVA	GRAPHIC DEMO	JAN		
SUPRPLAY	TURN PLAY COMMAND INTO A SYNTHESIZER	JUN		
SUPRQUIZ	CREATE STUDY GUIDES	OCT		-
SUPRSTMP	GRAPHICS COMMANDS; ALSO STMPDEMO	OCT		
SUPRTEST SURFACE	GENERATE QUIZZES	FEB		_
SWAMP	SIMULATION GAME GAME	APR JUN		
SWIMPOOL	SWIMMING POOL MAINTENANCE AID	JUN		
SWITCH	PUZZLE	MAR		
SYSGO	OS-9 UTILITIES; ALSO CLS; ALTERNAT.CLS	NOV	1986	199
SYSOP	BBS SYSTEM	NOV	1983	25
SYSOP.EDT	BBS	NOV	1987	152
SYSOP2	BBS PATCH (RAINBORD)	NOV	1984	48
SYSSAVE	DISK UTILITY	JUL	1984	21
SYSTEM	DISK UTILITY	JUL	1984	23
T-BILL	TREASURY BILL CALCULATOR	MAR	1985	153
TACHISTO	INCREASE STUDENT'S MEMORIZATION ABILITIES	FEB	1989	105
TACHISTO	MEASURE READING SPEED AND COMPREHENSION	SEP	1987	140
TAFFYBAL	GRAPHICS DEMO	JAN	1989	60
TANDY	MAXLC TUTORIAL; ALSO DIRFILES ETC	OCT	1989	110
TAPCNV	DOWNLOAD PROGRAMS UTILITIES	AUG	1988	156
TAPE DOC	TAPE UTILITY	FEB	1987	182
TAPEDAT	TAPE CATALOG GENERATOR	FEB	1983	96
TAPEDIR	CASSETTE TAPE DIRECTORY	DEC	1983	169
TAPEDIR	FOR CRUN	FEB	1986	54
TAPEMENU	UTILITY FOR CASSETTE ORGANIZATION	FEB		
TAROT	FORTUNE TELLING GAME	OCT	1984	75
TARTAN	GRAPHICS DEMO	JAN		_
TAX-HIST	INCOME TAX UTILITY		1983	
TAX.BAS	KEEP TAX RECORDS IN ORDER; ALSO TAXINFO.XX	JAN	1988	
TAXTIP	HOME HELP	JUL		
TCHRAID	TEACHER'AID HELP FILL OUT FORM	DEC		
TEACHAID	TEACHER'S RECORD KEEPER	SEP		_
TELE-DIR	TELEPHONE DIRECTORY	JAN		
TELECOM	MODEM II AUTO DIALER		1983	
TER3BAS	COCO3 TELECOMMUNICATIONS; ALSO TERM3	NOV		
TERMS	SEE TRI-HANG	MAY		
	THE EVOLUTION CONTINUES	NOV		
	PRINTER UTILITY	JUN		
	MULTIPLE CHOICE TESTER	MAY		
TESTEM 1	HI-RES SCREEN QUIZ	APR		
TESTEM 2	SEE TESTEM 1 HARDWARE PROJECT	APR MAR		
TESTIF TESTMAKR	MAKE MULTIPLE CHOICE TESTS	SEP		
TESTMAKK	TEST COMPOSITION UTILITY	SEP		
TESTSCRN	SCREEN DUMP EXTRAORDINAIRE	OCT		
TEXAS	MUSIC	JUN		
TEXTGEN.EDT	BBS	NOV		
	TEXT PROCESSOR	JAN		
THE GAME	HI-RES GRAPHICS GAME	APR		
	GRAPHICS DEMO	JAN		
	RACING CAR GAME	SEP		60
THE TRIP	HI-RES ADVENTURE GAME	AUG		
	ELEMENTARY WORD GAME	FEB		
THEATRE	A PUZZLE	AUG		
	ADVENTURES IN MUSIC	JUN		79
	ADVENTURE	DEC		
-	PRINT UTILITY	MAY		

TICKET	TICKET MAKER	MAY	1988	91
TICTACTO	GAME	AUG	1986	36
TICTACTO	TRIVIA GAME	DEC	1985	70
TIMECARD	CALCULATE TIME DIFFERENCES	APR	1989	89
TIMER	CLOCK SPEED TIMER	DEC	1983	184
TIMER.BIN	SCIENCE PROJECT; ALSO TIMER.BAS	DEC	1987	
TIMESHT	CREATE TIMESHEETS	OCT	1989	62
TIMETABL	GOODBYE FLASHCARDS	SEP	1987	72
TIMETEST	MATH DRILL	AUG	1989	56
TIN EAR	PLAY TUTORIAL	FEB	1986	146
TITEROPE	VOCABULARY QUIZZES	JUL	1986	188
TITLE	CENTER A TITLE	JAN	1984	64
TITLEMKR	TITLE CARDS FOR PROGRAMS	MAR	1986	159
TITLPOKE	SCREEN POKE UTILITY	NOV	1985	164
TITLPRINT	SAMPLE TITLE	NOV	1985	164
TOADER	GAME	FEB	1989	43
TONE ROW	MUSIC UTILITY	JUN	1984	24
TORI(L1)	LOGO FOR MATH CLUB	SEP	1983	53
TOTAL	CALCULATOR	MAR	1987	78
TOUCH	OS-9 FILE UTILITY; ALSO TOUCH.HLP	OCT	1989	72
TPTDSK	SEE JANUARY PAGE 49	FEB	1984	0
TPTDSK	TAPE TO DISK UTILITY	JAN	1984	49
TPTODSK	TAPE TO DISK TRANSFER	FEB	1987	73
TRACK	TRIGONOMETRY GAME	JUL	1985	149
TRACK40	DISK UTILITY	JUN	1986	93
TRADER	GAME FOR YOUNG CHILD	MAR	1986	20
TRAILING	ACTION GAME	AUG	1983	36
TRANSACT	LANDLORD PROGRAM	APR	1985	173
TRANSFER	SEE ASMBCOR	DEC	1982	29
TRAPPERR	ON ERROR UTILITY	AUG	1984	65
TREASURE	GAME	NOV	1986	18
TREASURE	GEOMETRIC TREASURE HUNT	MAY	1985	82
TREEPUZZ	CHRISTMAS TREE PUZZLE	DEC	1988	20
TRENCH	ARCADE GAME SPEED IN BASIC	JUL	1986	98
TRI-HANG	TALKING HANGMAN GAME	MAY	1985	134
TRIANGLE	GETTING A FIX ON TRIANGLES	SEP	1987	138
TRIG1	TRIGONOMETRY; ALSO TRIG2	MAR	1990	92
TRIGSHOW	TRIGONOMETRY DEMO	JAN	1983	175
TRIKWORD	VOCABULARY PRACTICE	SEP	1985	118
TRIMTREE	HOLIDAY GRAPHICS	DEC	1986	116
TRIVDATA	DATA FILE FOR TICTACTO	DEC	1985	79
TRIVIA	BASEBALL TRIVIA GAME	JUL	1987	105
TRIVIA	TRIVIA GAME	JUN	1983	16
TRIVIAG	TRIVIA GAME; ALSO TRIVIAFC	SEP	1987	152
TRIVIAL	'TRIVIAL PURSUIT' LIKE GAME	DEC	1983	93
TRIVUTIL	TRIVIA GAME	DEC	1985	72
TRKSAT	OS-9 PROGRAMS; ALSO ECHOSOURCE; MAKE.ECHO	MAR	1989	136
TRPSHOOT	TRAPSHOOTING GAME	NOV	1985	21
TRUEFALS	LOGIC SKILLS DEVELOPER	JUL	1986	132
TUGOFWAR	TRIGONOMETRY GAME	JUL	1985	150
TUMBRELA	GRAPHICS DEMO	OCT	1983	204
TUNING	MUSIC DEMO	APR	1982	36
TUNNEL	GRAPHICS DEMO; ALSO WHEEL	OCT	1986	37
TURKISH	GRAPHICS DEMO	DEC	1988	90
TURNSCRW	SOFTWARE FOR RADIO SHACK VOICE SYNTHESIZER	MAY	1985	
TUTOR 1	BASIC PROGRAMMING AID	JUN		
TUTOR 2	GASIC PROGRAMMING AID	JUN		
TUTORIAL	BASIC TUTORIAL	OCT	1983	182
TUTORIAL	STRING HANDLING TUTORIAL	DEC		118
TUXEDO	DISK JACKET DESIGNER	NOV		26
TV SHOWS	GRAPHICS DEMO	MAR		50
TWIRLER	GRAPHICS DEMO	OCT		78

	CDIDUTES DEVO		1000	100
TWIRLERS	GRAPHICS DEMO		1983	
TYPANIC	SHORT GAME	AUG		91
TYPE.C	OS-9 DOES WINDOWS	JUN		
TYPEII	PRINTER UTILITY	DEC		116
TYPER	IMPROVE YOUR TYPING SKILLS	JAN		
TYPESET	TYPESET MODEM FILE TRANSFER	JUN		
TYPING	TYPING TUTOR	NOV		76
UDIR.C	DISSECTING THE COMMAND LINE	FEB		122
UNIDATFL	DATABASE MANAGER	JUN		57
UNPRESS	SCREEN SAVE/DUMP PACKAGE	JAN		
UNPRESS	USING COMPRESSED FILES	OCT		164
UPDNLIST	LISTING UTILITY	JUL		106
UPLOCASE	LEARNING LETTERS	DEC		60
URCHIN	URCHINS FROM THE BLACK LAGOON		1988	31
USA FLAG	FLAG PICTURE	JUL		116
USEDCARS	USED CAR SHOPPING GUIDE	SEP		16
USER SYS	BBS SYSTEM	DEC		
USETOWN	SIMULATE A CITY PLANNER	JAN		58
USSONGS	MUSIC AND GRAPHICS FOR THE 4TH OF JULY	JUL		_
USTIME	OS-9 TIME PROGRAM; ALSO STRIPBIN	AUG		22
UTILITY	TRANSFER EDTASM FROM TAPE TO DISK	SEP	1983	78
UTILITY1	HELP FOR AMATEUR BASIC PROGRAMMER	APR		99
VACATION	VACATION LOG	JUL		95
VACATION	VACATION PLANNER WORKSHEET	MAY		98
VALNAME	VALENTINE MAKER	FEB	1986	23
VALNTINE	ELECTRONIC VALENTINE'S DAY CARD	FEB	1988	100
VALPRINT	VALENTINE MAKER	FEB	1986	20
VANIPHON	TELEPHONE UTILITY	MAY	1987	
VARIABLE	BASIC FOR BEGINNERS	SEP	1987	26
VARKEEP	PROGRAMMING UTILITY	JAN	1990	12
VARLIST	LIST PROGRAM VARIABLES	MAR	1986	96
VCRTAPES	VCR INDEX	DEC	1987	92
VERBTEST	UNDERSTANDING VERB USE	OCT	1987	158
VFY.C	OS-9 DISK UTILITY	FEB	1990	56
VIC	GAME	JUL	1986	74
VIDTIME	CALCULATING TIME INTERVALS FOR VCR'S	SEP	1988	122
VISION	DO-IT-YOURSELF EYE EXAM	AUG	1985	231
VITEX93	DRAW COMPLEX SHAPES	SEP	1983	208
VMODE	CONTROLLER ATTACKS HALT LINE PROBLEM	AUG	1987	157
VOCABLRY	SIMULATE A DICTIONARY	SEP	1985	82
VOL	DISK UTILITY	JAN	1990	56
VOTRAX	UTILITY FOR VOTRAX	JUN	1984	130
VOWELS	REVIEW ELEMENTS OF PHONICS	APR	1990	85
VOWELS	VOWEL COUNTER	APR	1983	96
VROOM	DECISION MAKER MODEL	FEB	1983	132
WAGECALC	WAGE CALCULATOR	MAR	1987	77
WAGER	HORSE RACING GAME	MAY	1984	168
WALPAPER	WALLPAPER COVERAGE CALCULATOR	JUN	1984	206
WARGAME	SIMULATION GAME	NOV	1983	93
WARGAME2	SIMULATION GAME	NOV	1983	100
WARGAME3	SIMULATION GAME	NOV	1983	105
WARGAME4	SIMULATION GAME	NOV	1983	106
WATCH	TELL TIME	MAR	1990	12
WATER	COMPUTE WATER BILLS	APR	1990	48
WAVEDIT	TURN PLAY COMMAND INTO A SYNTHESIZER	JUN	1988	102
WDPRO	WORD PROCESSOR	MAY	1982	6
WDSEARCH	GAME UTILITY	MAY		
WEBBAS	GAME	JUL		42
WEEKDAYS	WISHING WELL		1989	
WEFAX	SATELLITE WEATHER MAP	FEB		45
WHAMMY	GAME	OCT		
WHATDAY	TIME UTILITY	JAN		30
-				

WHEEL	GAME LIKE HANGMAN	APR		
WHEEL	WHEEL OF FORTUNE GAME; ALSO CREATOR	AUG		
WHENRAIN	GRAPHICS DEMO	APR		
WHICHTOO1	THE EVOLUTION CONTINUES	NOV		
WHICHTOOL	PUT DATA STRUCTURES ON DRAWING BOARD	DEC		
WHO AM I	ELEMENTARY EDUCATION	FEB		
WIDGET	GRAPHICS DEMO	JUL		
WILDBIN	SELECT LISTINGS USING WILDCARDS	JUN		
WILDWEB	GAME	APR		37
WILFLOAT	ARCHIMEDES DISCOVERY	MAR		
WINDCHIL	CALCULATE WIND CHILL FACTOR	OCT		
WINDMILL	BASIC TRAINING	APR		86
WINDOW	TUTORIAL	JUN		
WINTER	GRAPHICS DEMO	FEB		_
WINTER	HOLIDAY GRAPHICS	DEC		
WIZDRAW	OS-9 GRAPHICS; ALSO XMODE; HEXDUMP	MAY		
WORD	WORD GAME	SEP		95
WORD+	MAKE CROSSWORD PUZZLES	MAY		
WORD1	MEMORY GAME	AUG		
WORDCNT	COUNTING THE WORDS	JAN		
WORDCNT1	INTERFACING TRICKS; ALSO WORDCNT2; EXPLODE	JUL		
WORDFIND	DEBUGGING WITH WORDFIND	FEB	1988	
WORDGAME	GAME	NOV		85
WORDGUES	GAME	APR	1987	
WORDLOAD	SEE AUIOSPL	SEP		
WORDMAKE	WORDMAKE	JUN	1989	91
WORDPRO	WORD PROCESSOR	NOV		
WORDSRCH	SPELLING DRILL	DEC	1982	
WORKOUT	EXERCISE AID	MAR	1986	28
WORLD	MAP OF THE WORLD	SEP	1988	70
WORLD1	GRAPHICS ANIMATION	AUG	1989	106
WORLDWAR	SIMULATION GAME	JUL	1985	58
WORMDRVR	FOOD FOR WORMS; ALSO WORMSMPL	FEB	1989	144
WORMINVD	GAME	MAR	1990	18
WPDRV.DR	NEW TOOLS, NEW TOYS; ALSO WP.DD WECHO.DD	APR	1988	160
WREATH	THIS WREATH HANGS INDOORS	DEC	1987	72
WRITE30	WRITE III PLUS	JUL	1988	96
WRITIDEA	EDUCATION-CHOOSE TOPIC TO WRITE ABOUT	SEP	1983	140
WRITRZAP	DISK UTILITY	SEP	1986	116
WRKSHEET	PRINT@ LOCATIONS	OCT	1983	148
XCODES.CC3	BETTER TOOLS FOR OS-9	DEC	1988	178
XFER16	TRANSFER FILES OVER PHONE	OCT	1985	37
XMASCARD	MAKES XMAS CARDS	DEC	1984	136
XMASCRLS	MUSIC FOR XMAS	DEC	1983	35
XMASFIRE	HOLIDAY GRAPHICS; ALSO XMASDRVR	DEC	1986	108
XMASLIST	MAKE A CHRISTMAS ADDRESS LIST	DEC	1987	66
XMASLTR	WRITE YOUR XMAS LETTERS	DEC	1983	69
XMASONGS	XMAS MUSIC	DEC	1985	37
XMASPORI	CHRISTMAS MUSIC AND GRAPHICS	DEC	1987	100
XMASSONG	CHRISTMAS MUSIC	DEC	1987	86
XMASSTAR	THE CHRISTMAS STAR	DEC	1987	70
XMRECV.ASM	COBBS XMODEM ROUTINES; ALSO XMSEND.ASM	NOV	1988	88
XMRECV.SYS	COBBS XMODEM ROUTINES; ALSO XMRECPK.BAS	NOV	1988	88
XREF	CROSS REFERENCE PROGRAM	FEB	1986	172
XSTITCH	A STICH IN TIME	DEC	1987	108
YARDBIRD	MUSIC	JUN	1987	20
YARDSALE	HOME HELP	APR	1987	52
YOYO	PROGRAMMING DEMO	APR	1986	145
YULELOG	HOLIDAYS AT THE HEARTH	DEC	1988	89
ZHAGWHAR	CASTLE ZHAGWHAR	JUN	1989	
ZIGZAG	THE KOLAR PROGRESSION	JAN	1988	96
ZIP	DRAW DEMO	SEP	1985	141

ZONX ACTION GAME OCT 1985 67 ZOOM1 GRAPHICS UTILITY; ALSO ZOOM2-4 OCT 1986 44

http://goyim.dyndns.org: 8080/coco/Disks/Magazines/Rainbow% 20 Magazine% 20-% 2010% 20 Years% 20 Index/Magazine% 20-% 20 Years% 20 Index/Magazine% 20 Years% 20 Index/Magazine% 20 Years% TUTORIAL

AUTHOR	ARTICLE	мтн	YR	PAGE
AUGSBURG, CRAY	THE PRINTER PRIMER	MAY	1991	28
BARDEN. WILLIAM ITR	BASIC09 PROGRAMMING STRUCTURE		1990	
	COCOS AND LASER JETS		1990	
			1986	
	CAN YOU SURVIVE THIS COLUMN		1988	
BARDEN, WILLIAM		OCT		
	COMPUTER KNOWLEDGE IN ANY LANGUAGE		1989	-
	DELVING INTO THE COCO DISK		1988	
BARDEN, WILLIAM			1988	
			1987	
	SORTING IT ALL OUT		1988	160
BARDEN, WILLIAM			1989	
BARDEN, WILLIAM	TAKE YOUR FILES FOR A SPIN		1990	
BADDEN WILLIAM	THANKS FOR THE MEMORY		1990	
BARDEN, WILLIAM			1989	
BADDEN WILLIAM	VOID FIRST BASIC DECEDAM	OCT		
REDNICO RILL	THE COCO OUT MASTED		1989	
BERNICO BILL	YOUR FIRST BASIC PROGRAM THE COCO QUIZ MASTER THE MENU SELECTOR USING ROM ROUTINES		1987	
BETTS D BADTIV	IISTNG DOM DOUTTNES		1985	
BLVN CTEVE	HEXADECIMAL HAPPINESS		1984	
BOUDREAUX, ANDREW			1990	
BOVIE TOUN	HOW TO MERGE PROGRAMS FROM CASSETTE		1985	
BOYLE, JOHN	SUBROUTINES TO SIMPLIFY & SHARPEN DISPLAY	FED		
	FLOATING POINT MATH		1985	-
DISTERANO TONY	CACUE OF THE DAY	JUL		_
DISTERANO, TONI	EVELOPING MEMORY CELLS		1986	
DISTERANO, TONI	CACHE OF THE DAY EXPLORING MEMORY CELLS HOW TO FOLLOW A MEMORY MAP		1985	
DISTERANO, TONY	INTRO TO THE INSIDE OF COCO2	JAN		
DISTEFANO, TONY	MISCONCEPTIONS AND COMMON PROBLEMS			
	WHAT IS A VDG, ANYWAY?		1985	
			1987	_
			1988	
FLIEDS FD	EDIT MODE SUBCOMMANDS		1985	
EDIECEN CECEE	TNTDODICTNC BACTC+		1989	
FRIESEN, GEOFF	ALL ABOUT MONTTODS		1991	
GOODMAN-CISIN	ALL ABOUT MONITORS PHOTOGRAPHING A CRT SCREEN RENIM WITH A TWIST		1987	
HAREDED EDEDDIC	RENUM WITH A TWIST		1986	
middle, reduce	SYNTHESIZER DESIGNS		1991	
	DETAILS OF THE VARIOUS COCO ROM'S		1984	
	DISK BASIC AND HEX AND OCTAL CONVERSIONS			
			1984	
<del>-</del>	GET AND PUT CAN SPEED UP ANIMATION			
KLUCK, ANDY		SEP		
	AN OPEN-ENDED EXPLORATION	JAN	1985	
KOLAR, JOSEPH	ASCII FOR IT	NOV		
	BASIC BIRD WATCHING	MAY		
	BASIC TRAINING: SWAMP THINK	MAY		
KOLAR, JOSEPH	BOXCARS, BOXCARS	JUN	1989	
KOLAR JOSEPH	COUNT YOUR EGGS BEFORE THEY DROP		1989	
		FEB	1987	101
	CREATING A UTILITY SCREEN WORKSHEET		1988	80
=	DIVERSION A DAY KEEPS PROGRAMMING FEY			
KOLAR, JOSEPH KOLAR, JOSEPH	DOING THE PROGRAM SHUFFLE		1987	108
<del>-</del>	FINDING A WEALTH OF COCO KNOWLEDGE		1984	245
	FORMAT TEXT PRESENTATIONS TO SUIT YOURSEL			80
	FURTHER VENTURING WITH PROGRAM TABLES	MAR		97
LOWIN, CODELIE	- OLIZION TENTO MITTI I NOCKAMI INDIBO			<i>-</i> ,

KOLAR, JOSEPH	GETTING ACQUAINTED WITH COCO3	SEP	1987	97
	GETTING ACQUAINTED WITH THE DRAW STATEMEN	JUN		
	GO FORTH AND CREATE	APR		
KOLAR, JOSEPH	GRAPHICS FAIRYLAND	MAR		
KOLAR, JOSEPH	HOW TO DREDGE UP THOSE IDEAS	JUN		
KOLAR, JOSEPH	HOW TO DREDGE UP THOSE IDEAS LEARNING HOW TO FUNCTION IN BASIC LET'S GET GOING	OCT		
KOLAR, JOSEPH		JAN		
	MAXIMUM LEARNING WITH MINIMUM EFFORT	APR		
	MAXIMUM LEARNING WITH MINIMUM EFFORT MID\$ STRUTS ITS STUFF			
	MISSION INTERCHANGEABLE	JAN MAR		
KOLAR, JOSEPH		OCT		
	MUCH ADO ABOUT NOTHING	OCT		
KOLAR, JOSEPH		OCT		
		NOV		
KOLAR, JOSEPH	PRACTICING THE TWO-COLUMN FORMAT	APR		
KOLAR, JOSEPH	PRACTICING THE TWO-COLUMN FORMAT PREVIEWING A PROGRAM PROBLEM SOLVER'S DAY AT THE RACES	FEB	1988	
KOLAR, JOSEPH	PROBLEM SOLVER'S DAY AT THE RACES	OCT		
KOLAR, JOSEPH	PROGRAM SHAPE-UP	DEC	1989	
KOLAR, JOSEPH		APR	1988	
KOLAR, JOSEPH		DEC	1988	94
KOLAR, JOSEPH	SIMPLE PROGRAMS: LEARNING EXPERIENCE	NOV	1984	151
KOLAR, JOSEPH	TEACHING COCO ITS ABC'S	MAY	1985	144
	TEXT PANEL FORMATTING	JUN	1986	140
		JUN	1990	54
		AUG	1989	100
	THE KOLAR PROGRESSION	JAN	1988	96
KOLAR, JOSEPH	THE SEVEN-VALUE CIRCLE STATEMENT	MAY	1987	77
KOLAR, JOSEPH	THE SEVEN-VALUE CIRCLE STATEMENT THE UNFOLDING BLOCK USING INVERSE CHARACTERS	JAN	1990	87
KOLAR, JOSEPH	USING INVERSE CHARACTERS	SEP	1986	165
KOLAR, JOSEPH	WADING OUT OF THE SWAMP	JUN	1988	88
KOLAR, JOSEPH	WHAT'S THE ANGLE?	NOV	1988	84
KOLAR, JOSEPH	WORKING IN QUADRANTS	FEB	1990	52
LAW, GREG	PROGRAMMING TECHNIQUES	JUN	1991	10
LAW, GREG		DEC	1990	87
LAW, GREG		FEB	1991	22
MIR, JORGE	MEMORY ON A STRING\$ BUDGET	AUG	1985	166
MITCHELL, WILLIAM	BLEEPS, BLOOPS, BELLS AND WHISTLES	JUN	1986	108
		JAN	1988	37
OSTLER, DAVID	BASIC FOR BEGINNERS LESSON 3	FEB	1988	20
OSTLER, DAVID	BASIC FOR BEGINNERS LESSON 4	MAR	1988	82
	BASIC FOR BEGINNERS PART 1	SEP		26
PERKINS, DUANE	PROGRAM THE HI-RES JOYSTICK INTERFACE	FEB	1988	122
PERLMAN, RICHARD	THE DO-IT-YOURSELF DATABASE PART 1	FEB	1989	36
PERLMAN, RICHARD	THE DO-IT-YOURSELF DATABASE PART 2	MAR	1989	
	PRIMARY POINTERS	JAN		
	PATCHES TO MAKE KEYBOARD ENTRY EASIER	OCT		
	JOYSTICK-TO-ITIVENESS	MAR	1985	
VASCONI, EUGENE	ESCAPE FROM THE BUG ZONE	JAN		
	A GLOSSARY OF COMPUTER TERMS	JAN		
WALTERS, FRANCIS M		SEP	1990	
	FOLLOW THE BREAD CRUMBS	FEB	1988	
WHITE, BRIAN	LEARN TO WALK BEFORE YOU RUN	JAN		
	ANALYZING MORE BASIC	FEB		
•	VARIABLES REVISITED	JUL		
	WEIRD AND WONDERFUL	AUG		
	SIMPLIFYING USE OF THE SOUND COMMAND			
	THE JOYSTICK FIX-IT	AUG		
<u>=</u>	STARTING FROM SCRATCH	JAN		
WITHAM, BURT	TO PACK OR NOT TO PACK	OCT		
AUMWALT, GREG	BREAKING THE 32K BARRIER	JUN	1990	58

### UTILITIES (HARDWARE)

AUTHOR	ARTICLE	MTH	YR	PAGE
ALSOP, B.H.	D-BOARD 64K UPGRADE	MAR	1983	100
CLEMENTS, WILLIAM	INSTALL A CHIP-SAVING 'POWER ON' LIGHT	APR	1983	18
DISTEFANO, TONY	A 12-VOLT POWER SUPPLY FOR THE COCO2	APR	1984	149
DISTEFANO, TONY	ADDING FUNCTION KEYS TO YOUR KEYBOARD	MAR	1984	117
DISTEFANO, TONY	BUILD A SPEAKER/AMPLIFIER FOR YOUR COMPUT	NOV	1983	230
DISTEFANO, TONY	CONSTRUCT FINGER-SAVING CIRCUIT FOR JOYST	FEB	1983	156
DISTEFANO, TONY	DESIGNING A VIDEO MONITOR OUTPUT	MAY	1984	188
DISTEFANO, TONY	INSTALL YOUR OWN ROM SWITCHER	DEC	1983	122
DISTEFANO, TONY	UPGRADING YOUR COCO 2	JAN	1984	130
ELLERS, ED	RAM/ROM UPGRADE ROUNDUP	MAY	1984	49
ELLIS, RICHARD	INSTALL DISK DRIVE 'ON/OFF' INDICATOR	NOV	1983	296
GERMAN, J.D.	CHEAPSTICK-SMOOTH JOYSTICK FOR LESS THAN	FEB	1984	186
KOTTKE, RICHARD	MONITOR MOD FOR YOUR COCO	JAN	1984	179
MEIXSELL, DENNIS	BUILD THIS BOARD FOR EASY INTERFACING	JUL	1983	106
MEIXSELL, DENNIS	INTERFACE A CALCULATOR KEYBOARD TO THE PI	DEC	1983	207
MERRYMAN, ROBERT C	DISK CONTROLLER ROM SELECTOR	MAR	1991	34
OWEN, DAVID	RS232 DEVICE SELECT SWITCH FOR UNDER \$20	DEC	1983	202
SCHROEDER, HERBERT	DOS DETACH SAVES WEAR AND TEAR	MAR	1983	54
WESTON, DANE	UNLOCK YOUR JOYPORTS AND OPEN COCO TO WOR	DEC	1983	56

#### UTILITIES (SOFTWARE)

AUTHOR	ARTICLE	мтн	YR	PAGE
AFTAMONOW F & C	DON'T STRING ME ALONG	ОСТ	1986	100
<del>-</del>		SEP		
	A TIMEKEEPER FOR ALL OCCASIONS		1986	
	JOYSTICK DIRECTORY		1987	
BABICH, TIO			1986	
	UNCOMPLICATED, READABLE LISTINGS		1990	
BEHR, GARY	KEYBOARD CASSETTE EDITING SYSTEM		1985	
BERNICO, BILL	FIVE-COLUMN DIRECTORIES		1989	
BERNICO, BILL	MI. ADDRESSES		1988	
BERNICO, BILL	ML ADDRESSES READING DATA FILES		1988	-
BERNICO, BILL	SCREEN ALTERNATIVES		1986	
BERNICO, BILL	SCREEN POKES MADE EASY		1985	
BERNICO, BILL			1985	
=	SCREEN SCROLLING MADE EASY		1987	
BERNICO, BILL			1987	
		MAY		
BJORK, STEVE			1986	
	COCO MOUSE: THE FINAL CHAPTER		1986	
BJORK - STEVE	WHAT'S INSIDE A MOUSE?		1986	
BJORK, STEVE	CORRECTION		1986	
BLATT TED	CHANGE THOSE PRINT'S TO PRINT -2'S		1983	
BLOCHOWIAK, JOHN	A SMOOTH OPERATOR		1988	
	INITIAL EXPERIENCE CAN BE CHILD'S PLAY		1982	
	WHAT'S THE DIAGNOSIS?		1986	
=	A MOST MOVING MESSAGE		1984	
BREINDEL, ADAM			1988	
<del>-</del>	COCO'S CURRENT COMPANION		1988	
	CORRECTION		1989	
CAMPBELL, MARC			1989	
	CHANGING THE LANGUAGE		1988	
	CLOAD COMMAND FIXER		1984	
	CLOAD COMMAND FIXER		1984	
	AN ALARMING SOLUTION		1987	
· · · · · · · · · · · · · · · · · · ·	ROCKIN' TRHOUGH ROM		1982	
CROMLEY, DAVID	CHECK YOUR TV ALIGNMENT		1983	
	EXPANDING LITTLE E'S POWERS		1984	-
CURTIS, H. ALLEN		OCT		
CURTIS, H. ALLEN	LITTLE E DOES BIG JOB TO BASIC	APR	1984	170
CURTIS, H. ALLEN	RAINBOW CHECK + FOR COCO; MC-10	FEB	1984	21
CURTIS, H. ALLEN	SCROLL CONTROL AND LLIST MASTER	JAN	1985	150
CURTIS, H. ALLEN	CORRECTION	APR	1985	226
CURTIS, H. ALLEN	SCROLL CONTROL AND LLIST MASTER	JAN	1985	150
CURTIS, H. ALLEN	CORRECTION	APR	1985	226
CURTIS, H. ALLEN	TRAP THAT ERROR	AUG	1984	61
	CORRECTION	OCT	1984	237
CURTIS, H. ALLEN	TRAP THAT ERROR	AUG	1984	61
DAHLGREN, GLEN	INVISILIST	FEB	1987	
DALENE, MIKE	HARNESS THOSE KEYS		1990	26
<del>-</del>	BACK FROM THE DEAD	JUN	1990	26
DAVIDSON, MICHAEL		NOV	1984	23
DAVIDSON, MICHAEL		NOV	1984	23
DAVIS, GARY	MAKE YOUR REMS STAND OUT	MAR	1982	12
-	PAK TO DISK TRANSFER	DEC	1987	152
DAYTON, JOHN	UPGRADING SHACK'S SCREEN PRINT PROGRAM	OCT	1983	290
-				

	FLOW GENTLY, SWEET LISTING	FEB		
		JAN		
	PILFERING IN LOW MEMORY	FEB	1982	
DIERCKS, WAYNE	YOU AND YOUR TWO-TIMIN' CPU	MAR		
	GI SOUND GENERATOR	SEP		
	GREEN ON BLACK VIDEO	MAR		
DISTEFANO, TONY	HIGH SPEED POKE HAS EFFECT CREATING DATA FILES	JAN		
DOSS, RAYMOND	CREATING DATA FILES	MAR		
DOWNARD, DAN	HOW FAST IS YOUR COCO?	DEC		
DOWNARD, DAN	HOW FAST IS YOUR COCO? RAINBUG III RAINBUG IV	JUL		_
		AUG		
DOWNARD, DAN		JUN		
DOWNARD, DAN	RAINDUG V	SEP		
DOWNARD, DAN	REMOTE OPERATION OF THE COCO REWARDS OF NON-STANDARD INTERFACING THE RAINBUG MONITOR TRY THESE TEST PATTERNS ON COCO MONITOR PUT YOUR PROGRAMS ON AUTOMATIC	NOV FEB		
DOWNARD, DAN	THE DAINDIG MONTTOD			
DOWNARD, DAN	THE RAINDUG MONITOR	APR		
DUBUC, MIKE	DIT VOID DECCEASE ON AUTOMATIC	AUG FEB	1983 1985	
DWIGHT, UEFFERI	PUT YOUR PROGRAMS ON AUTOMATIC	FEB		
FRREDT .TTM	A MINI-CALC PROGRAM	OCT		
=	JOY FOR JOYSTICKS	AUG		
	GET THE PICTURE?	JUL		
	BACKUP AND RESTORE	APR		
		JUN		
ESTRADO, RICHARD		APR		
	CONVERTING PROGRAMS TO 80C	AUG		
		JUL		
FRANCIS, DAVID	PROMPT ATTENTION EMPHASIZE WITH THE DMP 105	AUG		
FRIESEN, GEOFF	BASIC+	JUN		
GALUS, JOHN	QUICK RESTORE	FEB		
GAILLT ROBERT		APR		
		JAN		
=	ALTER YOUR PROGRAMS WITH REVFIELD	AUG		
	TIE AN ASCII BORDER ROUND COCO	APR		
		JUN		
		DEC		
	RIGHT JUSTIFY NUMBERS	APR		
HANDS, LESTER	LET'S LOOK AT MEMORY	DEC		
	BREAK KEY DISABLE	AUG	1986	82
	MAKE A HEX PAD LOADER	JAN		
HAVERSTOCK-WILLS	TITLES FOR HOME VIDEOS	DEC	1990	10
HEGBERG, JOEL	I/O IN THE FAST LANE	NOV	1988	75
HEGBERG, JOEL		JUN	1989	92
HRYCAJ, BOHDAN	I/O ERROR FREE	DEC	1987	75
HUFFORD, WAYNE	THE TIMER	MAY	1989	75
ISTED, BRUCE	ELIMINATE CARTRIDGE INTERRUPT PROBLEM	AUG	1990	20
JENKINS, DAVID	SIMPLE FONT CREATOR FOR HI-RES SCREEN	MAY	1987	99
	PROGRAM A RAM DISK	JAN	1989	110
JIMENEZ, DANIEL	CORRECTION	APR	1989	48
JONES, PAUL	SAVE THAT SCREEN	DEC	1988	108
JORGENSON, MIKE	SEVEN MENU-DRIVEN UTILITIES	JAN	1991	10
KASTACK, REBECCA	COUNTING THE WORDS	JAN	1989	62
KATSEKES, CHUCK		JUN	1988	32
KATSEKES, CHUCK	COLOR IN 32 COLUMNS	MAY	1988	93
KELTY, JOHN	A CHEAP TALKER FOR OUR COCO	JUL	1983	275
KLEMENT, GEORGE	FORMAT YOUR VIDEO WITH THIS WORKSHEET	OCT	1983	148
KNAPIK, STEVE	HACKER, BEWARE	DEC	1988	91
=	HARD COPY YOUR DIRECTORY	FEB		
		MAY	1987	186
KOLAR, JOSEPH		JAN	1984	
KOLAR, JOSEPH	ORGANIZE THAT JUMBLE OF TAPES	FEB		56
KOLAR, JOSEPH	PRINTING ALPHANUMERICS IN EIGHT DIRECTION	DEC	1982	62

KOLESAR, FRED	EZRUN		1989	
KOOSER, LINDSAY	EZRUN THE DIGITAL DIMENSION PAGING DOWN MEMORY LAND		1987	
KRANKOSKI, RICHARD	PAGING DOWN MEMORY LAND	APR	1983	
LARSON, NEAL	MASS DISK FORMATTER	SEP		
LENGEL, DAVE		FEB		
	END THOSE TYPING ERRORS	JAN	1983	
LISHNAK, PAT	SORT NUMERIC ARRAYS FAST WITH ML	AUG		
LUEDERS, RAYMOND		APR	1988	
	AUTO-EXECUTING ML PROGRAMS	FEB		
	AUTO REPEAT, PART 1	JUL		
MEDLOCK, WILLIAM		AUG		
	SUPER ORGANIZER FOR TAPE FILES	DEC	1983	169
MILLER, MERLE		JUN		
	HAS ANYONE SEEN MY STRING?	MAR	1989	80
MILLER, STEPHEN	ML-DATA	AUG	1988	100
MIR, JORGE	64K CONVERSION? NOW WHAT? CMERGING THE EASY WAY CSAVE YOUR PROGRAMS WITH CONFIDENCE HERE'S A DATING SYSTEM	JAN	1983	166
MIR, JORGE	CMERGING THE EASY WAY	OCT	1983	
MIR, JORGE	CSAVE YOUR PROGRAMS WITH CONFIDENCE	JAN	1984	146
MIR, JORGE	HERE'S A DATING SYSTEM	FEB	1983	58
MIR, JORGE	MACHINE TAPE FINDER/SAVER	DEC	1981	12
MIR, JORGE	MENU MAKER	DEC	1983	200
MIR, JORGE	SAVE ML PROGRAMS TO YOUR DISK	APR	1982	42
	UNIVERSAL DATA FILE	JUN	1982	57
MIR, JORGE	USING THE UPPER RAM OF YOUR 64K	OCT		
MIR, JORGE		OCT		
MOORE MIKE	SAVE THE VARIABLES!	JAN		
MORGAN, ALAN	FAMOUS SPEEDUP POKE IN FINE DETAIL		1982	
MORGAN, ALAN	SYNCHRONIZING WITH YOUR SAM CHIP	JUL		
MORGAN, ALAN	VIDEOPRINTER	OCT		
MOSES - RAY	STARS FALL ON 80C	JUN		
MIIMMAW . RON	FAMOUS SPEEDUP POKE IN FINE DETAIL SYNCHRONIZING WITH YOUR SAM CHIP VIDEOPRINTER STARS FALL ON 80C USING VARPTR	JUN		
NEEDHAM ANDRE	THE ABC'S OF ORGANIZATION	FEB		
	AUTO-EXECUTING YOUR TAPE PROGRAMS			
	CALL JOYIN TO LEARN ROM CALL TECHNIQUE			
•	FLEX CAN BE FLEXIBLE	SEP		
			1988	
OCTOED VEN	ADJUSTING YOUR MONITOR	SEP		
OTTIM TA	COCO ASCII TABLE FROM SCREEN TO PRINTED PAGE	FEB		
OTTOM, U.A.	HADIA ECDANOLO		1989	
OTTUM, J.A.	COCO3 GREEN SCREEN BLUES			
		JUL		
PLASTER, GIP POULIN, EDGAR	PHRASE CENTERER	MAY		
		APR		
POYNTER, CHUCK	**	MAR		
•	FLEX SYSTEM IS POWERFUL ADDITION	AUG		_
	MINIDOS: TWO RING CIRCUS FOR COCO	JUL		
	KEYTONES HELP INPUT	APR		
	SYNCHRONOUS OUTPUT CAN BE USEFUL	MAY		
PUCELLA, RIC		NOV		
	THEY DO IT WITH NUMBERS	DEC		
	A FORM OF CSAVE	DEC		
RAINBOW	ALL IN ONE	SEP		
RAINBOW	CPU SPEEDUP	JUL		
RAINBOW	DRIVE BACKUP	AUG		
RAINBOW	REALLY USING PRING USING	OCT		
RAINBOW	REFERENCE UTILITIES	AUG		
RAINBOW	REM-D-LEET	JAN		
RAINBOW	ROMPACK BACKUP	DEC		
RAINBOW	SCREEN PRINTER	AUG		
RAINBOW	THANKS FOR THE MEMORIES	AUG	1981	4
RAINBOW	TIMES SQUARE HEADER	NOV		
RAINBOW	TURN OFF THAT MOTOR-FAST	FEB		
RAINBOW	USING THE EDITOR	AUG	1981	7

RAINBOW	WHEREZITA???	MAR	1982	
	CASSETTE LABEL PRINT PROGRAM	JUN	1983	
REEVES, MARK	AN 8-BIT DRIVER FOR BASIC USE	APR	1982	41
	MEMSCAN-UTILITY FOR MEMORY EXPLORER	APR		
RICKETTS, STEVE	TO THE RESCUE	MAR		
ROBBINS, JOEL	COCOPADD	FEB	1985	140
ROBBINS, JOEL	COCOPADD	FEB	1985	140
ROBERTS, BOB	YAKETY-YAK, THE COCO TALKS BACK	OCT	1987	106
ROBERTS, R.N.	CONTROL YOUR SCREEN	MAR	1983	84
ROSEN, BOB	PROGRAM YOUR KEYS ON PROFESSIONAL KEYBOAR	JUN	1983	80
<del>-</del>	FORMAT YOUR LLISTINGS WITH FLIST	DEC	1982	86
ROSLUND, CHARLES	ML SCROLL PROTECTION UTILITY	NOV		
ROSLUND, CHARLES	SPEED UP BASIC WITH ML INJECTIONS	JAN		
RUGGLES, JAMES	64K CUSTOM SETUP	MAY		
	COCO MEMORY MAP	JUL		
	ENHANCE KEYBOARD INPUT WITH BUFFER STUFFE			
•	ENHANCE YOUR KEYBOARD INPUT	FEB	1985	
SAMM, HUBERT	WANT A WORKHORSE EDITOR?	JUN		
•	DEBUGGING WITH WORDFIND	FEB	1988	
SCERBO, FRED		MAR	1989	
	ENHANCING THE CLS COMMAND	FEB	1986	160
SCHRAG, ROGER	FOUR PATCHES FOR YOUR NEW ROM	MAR	1984	160
SCHRAG, ROGER	KEYBOARD SHORTHAND	FEB	1984	188
SCHULTZ, HANS	VARLIST: LIST PROGRAM VARIABLES	MAR	1986	92
SEARBY, SUE	VARLIST: LIST PROGRAM VARIABLES WHAT'S A MONITOR	MAR	1983	174
SHOOBS, BERNICE	ASCII ANSWERS	JUN	1988	82
	SPELL OUT YOUR ERROR MESSAGES	JAN		
	PREVENTING PROGRAM WIPEOUT	DEC		
SPILLER, JEREMY		JUL		
	WHAT DISK DRIVE?	DEC		
STEARMAN, COLIN	ADDITIONS TO COCO'S VOCABULARY	JAN		
=				
STEARMAN, COLIN	MORE ADDITIONS TO COCO'S VOCABULARY	JAN		
STEARMAN, COLIN	NEW COMMANDS FOR COCO	NOV		
STEARMAN, COLIN	CORRECTION	JAN		
STEARMAN, COLIN	QSORT FOR THE TRS-80 COLOR COMPUTER	JUL		
STEARMAN, COLIN	SOME NEW COMMANDS FOR COCO	NOV	1984	
STEARMAN, COLIN	CORRECTION	JAN		
STEARMAN, COLIN	THE POWERFUL QSORT ROUTINE	AUG	1983	196
STEELE, CHRIS	READING WORD PROCESSING FILES	FEB	1988	81
STEINBRUECK, RICHA	PAINLESS REVISIONS	FEB	1988	155
STEWART, JOHN	ECHO	FEB	1987	126
SULLIVAN, STEVE	A CATALOG FOR YOU TAPE	FEB	1983	96
	I CAN SEE CLEARLY NOW	JUL		
	SEEING THE BIGGER PICTURE	OCT		
	MORE POWER FROM YOUR COCO KEYBOARD	OCT		
	A COCO POP-UP CALCULATOR	FEB		
•	CROSS REFERENCE YOUR PROGRAMS WITH XREF	FEB		
VAN DUSEN, DOUGLAS		APR		
	PUTTING ON THE PROGRAM SQUEEZE	FEB		
WEIDE, DENNIS		AUG		
	THE COCO WRITES A PROGRAM	JUL		
	UNIDATFL REVISITED?	DEC		
WHITE, ERIC	TIPS ON THE COCO 3	MAR	1987	78
WHITE, RICHARD	LET'S LOOK AT KEYBOARD INPUT	MAR	1983	192
WOLF, ERIC	THE FONT MASTER	OCT	1988	41
WONG, NORMAN	THE EYE SAVER	JUL	1985	124
WONG, NORMAN	CORRECTION	OCT	1985	228
ZAMORA, TONY	COCO DOES WINDOWS AND MORE	MAR	1989	
ZAMORA, TONY	CORRECTION COCO DOES WINDOWS AND MORE CORRECTION	JUN		
•				

#### WORD PROCESSING

AUTHOR	ARTICLE	MTH	YR	PAGE
BECKER, BARRY	A SIMPLE WORD PROCESSOR	NOV	1982	138
CURTIS, H. ALLEN	ULTRALACE THE FIRST LOOP	MAY	1991	10
CURTIS, H. ALLEN	ULTRALACE THE SECOND LOOP	JUN	1991	51
FALK, LAWRENCE	THREE NEW WORD PROCESSORS	APR	1982	33
FALK, LAWRENCE	WORD PROCESSING-A COMPARISON	JAN	1982	1
LEWANDOWSKI, DENNI	BE NICE TO YOUR PRINTER	JUN	1983	76
LEWANDOWSKI, DENNI	TIDYING UP YOUR WORD PROCESSOR PROGRAM	SEP	1983	291
MILLICAN, OSCAR	A SIMPLE WORD PROCESSOR	MAY	1982	6
RAINBOW	LINE JUSTIFIER	AUG	1981	1
RAINBOW	TEXT EDITOR-WORD PROCESSOR	SEP	1981	3
RAINBOW	WORD PROCESSOR	JUL	1981	4