



# CoCo ~ 123

VOLUME XIII, NUMBER I

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*Glenside Color Computer Club*

## From the President's Platen

by Tony Podraza

I don't mean to bore you with one particular fact, month after month, but it HAS been ten years since I acquired my first CoCo. Christmas of 1982 found me sitting cross-legged on the floor in front of my television trying to gain some sort of noise from my 16K non-Extended BASIC CoCo I.

The past two years had seen me in various Radio Shacks in the area, stealing some time on the keyboards of Model 1's and 2's, running "Dancing Demon", or some space war game. It was pretty neat, actually. Then one of the salesmen set a small amplifier down beside the keyboard and VOILA! I could hear some sounds that sounded like musical notes (sort of) being picked up by the amplifier!!!! WOWSERS!

But now, I had my very own computer to learn on and didn't need the amplifier because it was already built in. Now what? Familiar scenario? In a lot of cases, probably so. ENTER.... the user's Group, where one learned and taught. ENTER.... newsletters, where one saw articles and short programs to type in. ENTER.... national publications, where one saw many, many articles and LARGER (read: longer) programs to type in. ENTER.... regional gatherings, where hundreds (and sometimes, hundreds of hundreds) of fellow "CoCo-ists" gathered for seminars, new product demonstrations, "bargain deals" in Radio Shack hardware and software, second party support in better hardware and software than Radio Shack had available at the time, and, of course, the renewing of friendships that had been forged over time because of Radio Shack and Motorola's little 6809 microprocessor.

Now, after ten years of involvement with this fun-loving powerhouse, seven of

which has seen me as an elected official of some sort in either of two user groups, and having been involved in the workings of 8 Rainbowfests (7 in Chicago and one in Princeton, thank you very much for the opportunity, Ed and Dave), 2 Atlanta CoCoFESTs, and one Chicago CoCoFEST, either as spectator, vendor personnel, Seminar speaker introducer (now I know how the 'opening act' groups for the superstars feel), Seminar speaker/round table moderator, host club president, or announcer, I am about to make the BIGGEST decision regarding this CoCo that I have ever made in my life.

Are you ready for this? In June 1993, Glenside Color Computer Club will sponsor the Second Annual Last Chicago CoCoFEST! The dates are not yet cast in concrete, but are tentatively the 5th and 6th. Final arrangements are being made this week, and I hope to get the February newsletter out early so you can properly plan ahead. We sincerely hope that you all will be able to support the Fest by your attendance.

Verbal intentions of participation from vendors include, but are not limited to: BARSoft, Frank Hogg Laboratories, Kala Software, Farna Systems, Hawksoft, ColorSystems and Sub-Etha. Consideration of attending is being given by STG, Sirius Software, and T & D Software. More contacts are being made on a weekly basis, and I expect to be able to give you a more complete list of vendors next month. This is real exciting for me, as I hope it is for you. This may, indeed, be the LAST Chicago CoCoFEST, due primarily to the rising costs and the declining number of vendors who are willing to put forth time and effort to

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### CoCo-1,2,3 Information

The Glenside Color Computer Club of Illinois is a not-for-profit organization whose members share an interest in the Tandy Color Computer®. The CoCo-1,2,3 is the official newsletter of the Glenside Color Computer Club. The Glenside Color Computer Club of Illinois has no affiliation with Radio Shack® and/or the Tandy Corporation®. The opinions expressed by the authors of articles contained within this newsletter do not necessarily reflect the opinions of the Editor, the Executive Officers or the actual Club membership.

We are committed to publishing a minimum of four issues and a maximum of twelve issues per calendar year. For an annual fee of \$12.00 you can become a GCCC member with full membership privileges. Persons wishing to receive the CoCo-1,2,3 newsletter without full membership privileges may receive this newsletter for an annual fee of \$14.00. Send your dues to:

**GEORGE SCHNEEWEISS**  
RR #2 Box 67  
Forrest, IL 61741-9629

Here is the list of 1992 Executive Officers and how to contact them. The club has four strong SIGS, Tandy Color Computer 1, 2, 3 and OS-9. If you have questions concerning these computers or OS-9 call one of the officers. Area code C=312, S=708, F=815.

POSITION	NAME	PHONE	PRIMARY FUNCTION
President	Tony Podaza	S428-3576	The buck stops here...
Vice-President	Carl Boll	C735-6087	Meeting Planning, etc.
Vice-President	Gene Brooks	S897-9023	"
Secretary	Howard Luckey	S747-0117	Records and Reporting
Treasurer	Geo Schneewiess	F832-5571	Dues and Purchasing
Editor	David Barnes	S587-9820	Newsletter coordinator
VP Telecom	David Barnes	S587-9820	Club BBS SysOp
Printer	Dennis Devitt	S629-2016	Newsletter Exchange
Advertising	Bob Swoger	S576-8068	Newsletter Ads

### CoCo-1,2,3 CONTRIBUTIONS

If you would like to contribute an article to the newsletter, upload a file to the Glenside CoCoRama BBS with an extension of '.NEWS'. If you have an AD for the newsletter UPLOAD a file with the extension of '.ADS'. If you have NEWS to POST about your group, please use the message base. These files are gathered by the BBS computer and downloaded to the Editor. If you need help contact the SYSOP by E-MAIL, mail, in person, or by phone:

**DAVE BARNES**  
P.O. Box 281  
LAKE VILLA, IL. 60046

It is preferred that you call: VOICE 708/587-9820 or BBS 708/587-9837  
On DELPHI - DAVIDBARNES On CIS - 73357,1324

Articles for the CoCo-1,2,3 will also be accepted on diskette in ASCII form and UNFORMATTED only in the following formats:

RS-DOS 5 1/4"-35 SSDD/DSDD 5 1/4"-40 SSDD/DSDD  
OS-9 5 1/4"-35 SSDD/DSDD 5 1/4"-40 SSDD/DSDD 3.5"-SSDD/DSDD  
MS-DOS 5 1/4"-40 SSDD/DSDD 3.5"-SSDD/DSDD 5 1/4"-1.2 Meg

Submission deadlines for the CoCo-1,2,3 are two weeks prior to each monthly meeting. Articles submitted after the deadline will appear in the next issue.

### CoCo-1,2,3 NEWSLETTER EXCHANGE

The Glenside Color Computer Club of Illinois is pleased to exchange newsletters with other Color Computer user groups at no charge. Send your newsletter to:

**DENNIS DEVITT**  
21 W 144 CANARY ROAD  
LOMBARD, IL. 60148

If you desire to reprint any articles that appear here, please provide credit to the author and this newsletter.

We encourage your user group to copy this newsletter and distribute it at your regular meetings to your members free of any charge as we believe that this will encourage better meeting attendance. If you are a user group that feels as we do, please let us know in your newsletter so that we might do this for our members and keep our attendance up.

### GLENSIDE CLUB MEETINGS

The Glenside Color Computer Club meets on the second Thursday of each month, from 7:30 - 9:30 PM, at the Glendale Heights Public Library. Further info can be obtained from Tony Podaza at home 708-428-3576.

### FUTURE MEETING DATES:

January 14  
February 11

A social get-together always occurs afterward at the Springdale Restaurant.

### CONTRIBUTORS TO THIS ISSUE

· Tony Podaza · Howard Luckey  
· Robert Bruhl  
· Alfredo Santos · David Barnes

### EDITOR:

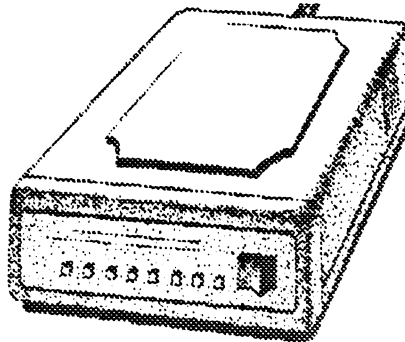
**David Barnes**

### DESIGN, LAYOUT AND GRAPHICS:

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*These are YOUR club BBS's... Please support them !!!*

## From The President's Platen

Continued From Page 1

make the gathering AN EVENT! Future gatherings could end up in Dayton, mixed up in a mass gathering of a multitude of orphaned computers. BUT, IN 1993, WE'RE GOING TO SHOW THE WORLD WHAT IT'S ALL ABOUT!!! Come join us for a real celebration! By the way, nobody sent in any guesses about the October newsletter contest. Maybe the timing was bad in reference to when the newsletters were sent out. Anyway, the contest is still open, and the award is waiting for the winner. Anyone interested?

## December Meeting Review

By Howard Luckey

There was a general discussion about computing and the CoCo. Someone mentioned that the CoCo has been a jumping off place for many people to get into some part of the computing business such as software or hardware vending. Carl mentioned that ColorWare was getting out of the CoCo business and someone wondered if the CoCo community could, somehow, get access to their products for continued use.

It was announced that there would not be a disk of the month at this meeting because Scott Montgomery was absent. He has the October issue in his possession. Someone suggest that he be called to see if he is okay.

Tony mentioned that company called Arrow Electronic will fill single orders for chips with a minimum order of \$25.00. Many other companies require a person to buy a large number of chips.

### THE DEMO

This is the demo of Simply Better (SB) carried over from last month. Simply Better is a very fine word processor that works under RS basic. First I ran the config program which allows you to set up screen size, text width, wrap on or off, etc., the printer codes for different fonts, and formatting parameters such as margins, justification, line spacing, in all thirty one different parameters. Once this is done it can be saved to a file for loading when you boot SB. Incidentally most if not all of the parameters can be changed from within the program.

Once SB is up and running you are in the command mode. This is were you can change screen size, toggle beep on or off, load and save files or tasks, and a lot of other stuff. When you are ready to type in text you hit the break key and now you are in the text mode. In this mode you have all of the usual features of any word processor such as cursor commands, find text, find and replace, deleting, block commands, etc. SB has a information line at the top of the screen which lets you know that you are using SB, the word "Normal-O" which lets you know what font you are using in this case the normal one, and to the left of the screen are the letters NTMVL. N stands for normal text but that letter will change when you hit one of the control keys such as Ctrl, Alt, or F1 on the CoCo keyboard. Once you hit one of the keys N will change to a blinking C, or A or 1 to let you know that those keys are ready for another input to carry out some processing command. The next letter indicates either the overstrike or insert mode which can be

toggled. Then M stands for mask on or off, if the M is absent, and if it is on and you use the find command. Case will make no difference. The V stands for verify, that is asking you if you want certain commands carried out, and it can be toggled. Lastly the L stands for lower case that can be toggled to upper case with shift-0.

There is a lot to SB and if your computer is the CoCo 3 and you need a word processor I highly recommend it. Other features include but are not limited to: a view mode to see what your document will look like in print, an eyes mode for hearing impaired i.e. the boarder flashes to indicate error messages, line numbering ability, macros, called tasks, that can store a bunch of commands and key strokes into one or two of them and these tasks can be saved to disk and loaded when needed, a calculator, a sorting ability, etc.

## History Of The CoCo

By Alfredo Santos

*This is the fourth in the series of articles presented by Alfredo Santos. These files were originally downloaded from Delphi and are reprinted with the author's permission.*

### THE FOURTH YEAR (July 83 - June 84)

Does it seem like I'm being too hard on CCN? Well in July, there was a full-cover photo of the DRAGON/32 but, nothing on the inside about the computer.

RAINBOW magazine, now supporting the MC-10, celebrated its second anniversary with a 308 page issue containing a two year index, a record with some BASIC programs, a look at the "new" MC-10, and a review of April's RAINBOWFEST.

Marketing began for UN-DISK from DR. PREBLE, ELITE CALC from ELITE SOFTWARE, and PBJ's 80 COLUMN CARD.

If 64K wasn't enough for your CoCo, you could always try DENNIS KITSZ's 128K bubble memory upgrade which appeared in July's TCCM.

A new CoCo magazine, 68 COLOR MICRO JOURNAL, was announced in August, which brought to 5, the number of dedicated magazines for the CoCo.

Just about all magazines carried articles on the MC-10. My personal favorite is the one in CCN!

New product announcements in August include a new CoCo keyboard from HJL, the MULTI-PAK INTERFACE from Radio Shack, PIRATECTOR from Sugar Software, and Chromasette goes to disk.

SOFT SECTOR MARKETING stops marketing CoCo software.

Always on the leading edge, Star-Kits starts its software AMNESTY program. Who but Peter Stark would be bold enough to give software pirates a chance to cleanse their soul? Star-Kits also markets the first MC-10 software. HUMBUG.

If you missed the first RAINBOWFEST, take heart, their is a very strong possibility of three more.

If you needed a new computer to take back to school with you in September, you might try the newly released CoCo II but, don't bother subscribing to CCN because, unknown to its subscribers, the September issue, is its last.

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# History Of The CoCo

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Reports circulate that THE COLOR COMPUTER MAGAZINE will hold COLOR EXPO'83 in Pasadena, CA. November 4-6.

New product released include COLOR MICRO JOURNALS 32 page debut issue, POOYAN from Datasoft, a keyboard from KEYTRONICS, PRO-COLOR FORMS from DERRINGER SOFTWARE, and the DRAGON/64 from TANO.

The following was to have appeared in CCN but.....

“Enter The DRAGON/64”

by: Alfredo(!) September 30, 1983

The DRAGON/64 computer, which is enjoying great success in England, is now available in America. What makes the DRAGON worthy of mention in this magazine is the fact that it uses a 6809E microprocessor and MICROSOFT BASIC just like our friend the TRS-80 Color Computer.

When I first heard about the DRAGON/64 (and little brother DRAGON/32) my first question was: “Will Color Computer programs run on the DRAGON?”. The answer is YES..... and NO!

The incompatibility of “BASIC WORD TOKENS” between the 2 machines prevent CoCo programs from working on the DRAGON/64 but, not to worry!

If you save a CoCo program using the ASCII format (i.e.: CSAVE“filename”,A) it will CLOAD and RUN on the DRAGON/64 with little or no problem. Problems may occur if any memory locations in LOW RAM are PEEKed or POKEd and problems will occur for sure if any CoCo ROM routines are called. Here's why:

DRAGON's COLOR BASIC and EXTENDED COLOR BASIC are identical to CoCo's in many ways with one major exception: They are both on A SINGLE HN4827128G-30 28 pin EPROM. While DRAGON's BASIC chip (IC 18) occupies memory locations \$8000-\$BFFF (like the CoCo), ROM entry points are not the same. CoCo's POLLCAT routine, for instance, is at SA1C1 while on the DRAGON it's at \$BBE5. This fact prevents Color Computer machine language programs from running on the DRAGON.

The table below contains DRAGON/64 ROM entry points and CoCo 1.1 BASIC and the 1.0 EXTENDED BASIC equivalents.

CoCo/Dragon ROM Conversion Table (Color Basic ROM 1.1)

CoCo Addr	DRAG Addr	Comment
(A000) A1C1	(A000) 8006	POLL KEY
(A002) A282	(A002) B54A	CHAR OUT(cass)
(A004) A77C	(A004) 8021	CASS READ
(A006) A70B	(A006) B93E	BLOCK IN
(A008) A7F4	(A008) B999	BLOCK OUT
(A00A) A9DE	(A00A) 8012	READ IN JOYSTK VAL
(A00C) A7D8	(A00C) 801B	HEADER OUT

Both the CoCo and Dragon/64 have indirect addresses at SA000-SA00C. Dragon's bid at CoCo compatability.

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US 83853

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Wynndel, BC  
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Phone (604)-866-5772

CoCo/Dragon ROM Conversion Table (Color Basic ROM 1.1)

CoCo Addr	DRAG Addr	Comment
894C	9D3D	
95CF	A95D	
A00E	B39BS	ECONDARY RESET
A027	B3B4	MAIN RESET
A02A	B3B7	
A06E		HARD START
A0E8	B44F	SOFT START
A176	B50A	CHAR IN
A186	B51A	
A1B1	B538	
A1C1	BBE5	CHECK KEYBRD
A282	B54A	CHAR OUT(cass)
A290	B560	
A2A8	B578	
A2BF	BD1A	
A30A	BCAB	CHAR OUT(scrn)
A34B	BCE2	SCROLL UP ONE LINE
A390	B5C6	INPUT FROM KEYBRD
A393	B5C9	
A398	B5CE	
A42D	B663	
A444	B67A	
A46C	B6A8	
A491	B6CD	
A502	A095	
A59A	B7CC	Data mover routine

# History Of The CoCo

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CoCo/Dragon ROM Conversion Table (Color Basic ROM 1.1)

CoCo Addr	DRAG Addr	Comment
A5EE	B820	
A619	B84B	
A629	B85B	
A635	B867	
A65C	B88E	
A65F	B891	
A663	B895	
A701	B933	
A70B	B93E	BLOCK IN
A77C	BDE7	Cass. READ out
A7E9	BDDC	
A7D1	B480	
A7D3	B482	
A7D8	BE68	
A7F4	B999	BLOCK OUT
A928	BA77	Clear Screen
A951	BAA0	
A956	BAA5	
A974	BAC3	
A976	BAC5	sound routine
A9DE	BD52	
AD19	8417	Clear mem (NEW+3)
B277	89B4	get operand
B99C	90E5PRINT	text string

Another area of major incompatibility is the keyboard (HITEK 107044 H). Although the DRAGON has a full stroke keyboard, its matrix is not wired the same way as the CoCo keyboard. For example, a CoCo machine language program (which you've modified, of course) will produce unexpected keyboard input. Typing the following: "DRAGON COLOR COMPUTER" will put this on the screen: "4B17/. 3/,B 3/-@ED5B". Indications supporting the keyboard matrix incompatibility is the fact that if the DRAGON keyboard is installed in the CoCo, or vice versa, the wierd output continues. This condition does not effect any CoCo BASIC programs running on the DRAGON (unless you are PEEKing the keyboard rollover table to check keys pressed).

A couple more items on keyboard related matters: DRAGON BASIC's routine to poll for entry from the keyboard is somewhat less efficient then CoCo's. I'm not a speed typist but, in the two years I've been computing, I've gotten pretty proficient at typing the word "LIST". The word is typed so fast that before the "L" key is released, the "I" key is being pressed then "S" and "T". The DRAGON turns my lightning "LIST" into "LST". This occurs because DRAGON's keyboard polling routine will not recognize the "I" key stroke until the "L" key is released because they are apparently on the same row of the keyboard matrix. This also effects the method used to pause scrolling during a LIST with a "SHIFT @". The inability to accept a double keystroke happens only while DRAGON is in the 32K mode (on powerup). While in the 64K mode, not only is the "problem" eliminated but, if a key

is held down for more than a few 10ths of a second, it starts repeating.

By the way, You'll know at a glance whether you're in the 32K or 64K mode simply by the cursor color. While in the 32K mode, the cursor will be a blinking solid black graphics character while a blinking solid blue cursor indicates 64K mode.

DRAGON's 64K mode is entered by typing "EXEC" and pressing <ENTER>. Easy hey?? When the machine is turned on, part of its initialization process includes moving data into LOW RAM (\$0000-\$03FF) for the BASIC interpreters to use. For instance, the system uses location \$009D to hold the EXEC address of the last machine langue which was loaded into the computer. This eliminates having to specify an EXECution address after you CLOADM a program. Power-up initialization puts the value BF49 at \$009D. DRAGON's 64K mode ROM entry point is \$BF49.

If, however, you wish to enter the 64K mode AFTER having loaded in a machine language program, \$009D will then contain then EXEC address of that program so typing EXEC & HBF49 will be required to access the 64K. Another nice thing about the DRAGON's use of it's 64K is that it frees user RAM from \$0600-\$BFFF's by MOVING the ROMS up to \$C000-\$FFF0. Radio Shack's doesn't move its ROMs so you end up with 2 blocks of RAM: \$0600-\$7FFF and \$C000-\$FFF0, with memory locations \$A000-\$BFFF (\$8000-\$BFFF for EXTENDED BASIC CoCos) off limits because CoCo's ROMS are there.

Beside its 64K of RAM and full stroke keyboard, the parallel printer port and monitor output should make this computer a very serious consideration to anyone in the market for an inexpensive yet powerful computer with high resolution graphics capabilities.

In addition to the above mentioned ports, the DRAGON/64 has connectors for 2 joysticks, a cassette recorder, 40 ROM cartridge/disk interface, TV hook up and external power transformer.

The DRAGON/64 gives you all the power and versatility of the very popular TRS-80 Color Computer plus features which make the DRAGON/64 a much more professional machine with far greater capabilities. If you've held off buying the TRS-80 Color Computer because of some above mentioned limitation then now is the time to stop DRAGON your feet and check out this very GREAT BRITON. (You liked the BEATLES didn't you?)

Nelson Software, in September, announced that their Super "Color" Writer had become the official word processor for the DRAGON.

The highlight of the second RAINBOWFEST (held in Ft. Worth on October 14-16) was a walking tour of Tandy's new CoCo Plant. The same month Radio Shack releases the WALT DISNEY and SESAME STREET educational software, MULTI-PAK interface, the MOUSE, the KRAFT joystick, and the OS-9 operating system.

DENNIS KITSZ says "I'm gonna teach you a lesson" when he releases his 6809E instructional kit.

In November, at COLOR EXPO'83, MARTY GOODMAN debut his state of the art graphics program GRAPHICOM. Thanks Marty!

Other releases came from ELITE WORD from Elite Software, SUPER SCREEN from Mark Data, PASCAL from DEFT SOFTWARE, the BASIC UNRAVELLED books from Spectral

# CoCo III Graphics to burn your GIME

## Revelation!

Revelation is an operating system enhancement which allows you to have all of the following under IBM DOS:

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- ◆ On-Screen display of keyboard status, control operations and current speed settings.

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Digitized sound and the best playing-card graphics of any program for the CoCo III make this an absolute no-holds-bar card graphics or gaming enthusiast. The dealer actually talks to you during the game! \$124.95.

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## Club Prices

All prices reflect club discounts!

Revelation \$124.95  
Slake Freeman L.A.C.M. \$99.95  
BlackJack III \$124.95

I also accept better purchase of hardware and software under an offer!

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## History Of The CoCo

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Associates, and Computerware's first BASIC COMPILER.

Nelson Software changed its name in November to VIP SOFTWARE. (A rose by any other name?)

With Christmas only days away, TANO started including 8 FREE programs with its DRAGON/64. Things are not looking good for this CoCo clone.

Reviews for the DRAGON/32 and DRAGON/64 appear in a couple of publications along with the announcement of TIME BANDIT from the COMPUTER SHACK, MAGIGRAPH from The Micro Works, and POKES, PEEKS & EXEC FILE from MICROCOM SOFTWARE.

In January, a BARCODE READER called OSCAR is advertised in several computer magazines for several machines, including the CoCo. This \$178 ill-fated project ended up being liquidated for \$54.00.

WAYNE TECHNOLOGY marketed its CP/M for the CoCo, and DYNAMIC ELECTRONICS marketed the first ever 128K upgrade.

February marked the debut of GRAPHICOM from

MARTY GOODMAN, and ELITE-FILE from Elite Software, plus a name change from the Computer Shack to MICHTRON.

RAINBOWFEST #3 is held in Long Beach, CA. February 17-19.

Radio station KGON, its reported, has its own bulletin board running on a CoCo.

TANO drops its DRAGON/64 ads in RAINBOW and rumors start circulating that the computer is about to breath its last flame.

The first east coast RAINBOWFEST is held March 30 - April 1 and features the first CoCo HARD DISK from SOFTWARE SUPPORT. In an attempt to clear its stock, TANO reduces the price of the DRAGON/64 to \$149.00.

Bob Rosen, in May, moved Spectrum Projects to San Jose, CA., word's out about the future release of the C-COMPILER from Radio Shack, and VIP CALC from VIP Software. New product releases came from Prickly-Pear Software with their DISK TRIVIA software, and the Tom Mix milestone, WORLDS OF FLIGHT.

By the time the June 22-24 RAINBOWFEST touches down in Chicago, DRAGON/64 ads have vanished from all CoCo magazines as DRAGON DATA Ltd. (British parent company) is under receivership.

ANNOUNCING  
WAAAA  
WAAAA

## Icon Basic09

The next programming language for OS-9!

Icon Basic09 is a graphical user interface (GUI) to Basic09, which will make programming easier than ever! Icon Basic09 takes an innovative approach by using graphic representations, or icons, to represent statements and keywords for writing Basic09 programs and procedures. Instead of constantly typing while writing a program, the user can simply point & click to choose the desired statement!

Icon Basic09 can also be very useful in studying procedures and programs written by others to learn how they operate. The package contains a full set of icons...or, you may edit or create icons using the included icon editor. Icon Basic09 requires a CoCo-3 with at least 256k, mouse or joystick, and OS-9 lv 2.

**\$20**

Dual hi-res joystick adapter (RS/Colorware)	\$40
Hi & Lo-res joystick adapter	\$27
HAWKsoft keyboard extension cable	\$25
Domination (Fish"-like wargame!)	\$18
MyDOS full-featured DOS extension	\$15



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## Disk Utilities

By Robert Bruhl

Here are a couple of small programs that might be of interest to others. The first program, called DISKNAME, allows you to store up to a 20 character name in sector 1 of the directory track. The second program, called PRINTDIR, will print out a listing of the directory several different ways. It first asks you what drive, then if the ID is stored 'in' or written 'on' the disk. It will then print the listing in 1, 2, 3, or 4 columns based on the number of files saved in the disk. It used 10 CPI (characters per inch) for 1 column, 12 CPI for 2 columns, or 16 CPI for 3 or 4 columns. The print codes are set for a DMP130 type printer. The listing will print on half a page (33 lines) at 2400 baud.

```
0 'DISKNAME.BAS IS PROGRAM NAME
1 '
2 'PUT DISKETTE NAME INTO TRACK 17
SECTOR 1
3 'COPYRIGHT (C) 07/21/87
4 '   By: Robert E. Bruhl
5 '       841 N. Mapleton Ave.
6 '       Oak Park, Il, 60302
7 '
8 '   Last Modified: 7/30/91
9 '
10 CLEAR 1000:VERIFY ON
20 CLS:FOR X = 1125 TO 1146:GOSUB
220:NEXT
30 FOR X = 1223 TO 1240:GOSUB
220:NEXT
40 FOR X = 1324 TO 1331:GOSUB
220:NEXT
50 PRINT@387, ''PRESS ANY KEY TO
CONTINUE'':GOSUB 250
60 CLS:PRINT@0, ''DRIVE 0-3?''
70 AN$ = INKEY$:IF AN$ < ''0'' OR
AN$ > ''3'' THEN 70 ELSE DR =
VAL(AN$)
80 CLS:DSKI$DR, 17, 1, A$, B$:N$ =
LEFT$(A$, 20)
90 PRINT@193, N$:PRINT@289, ''THIS IS
CURRENT DISKETTE NAME'':GOSUB 240
100 ON INSTR(''YyNn'', I$)GOTO
180, 180, 110, 110
110 A$ = STRING$(128, CHR$(255))
120 CLS:PRINT@102, ''ENTER DISKETTE
NAME''
130 PRINT@ 213, '' ]'': PRINT@
192, '' [ \';: LINEINPUTN$
140 IF LEN(N$)>20 THEN GOSUB
260:GOTO 120
```

## Middle America CoCo Fest '93

Presented by "Mid Iowa & Country CoCo"

Saturday Breakfast 8:30 AM W/ Speakers (optional) \$7.00 RSVP

Saturday March 27, 10:00 AM to 6:00 PM

Sunday March 28, 10:00 AM to 3:00 PM

The Place: Ramada Inn. (formerly Travel Lodge)

Easy highway access at I-35 & 80 interchange (University Exit)  
With a "limited number" of rooms reserved at Fest rates. \$35.00  
per room (up to four occupants) For Reservations: 1-800-255-  
2222 Airport shuttle provided!

Several Color Computer Fests were successfully done in 92. Port Orchard, WA had an very successful Fest in June. Atlanta had an attendance of 200, plus vendors. This prompted my attention to the fact that a Fest could be held here in Des Moines, IA.

Well... not just another Fest.

Our national reach out and central location should assure full attendance with an attractive and fun filled Fest!

Card tables in a gymnasium just isn't the sort of fest people travel to and spend money at, nor is it our style. What we have put together is a high quality Fest, with an eye toward reasonable rates.

A quality hotel: The Ramada Inn with attractively displayed booths and plenty of walking and talking room. Speakers, start with the well known James Jones of Microware, OS-9 User Group President, Boisy Pitre, and Terry Simons, RSDOS. Others will follow to fill an attractive seminar schedule. This promises to be a well rounded Fest. With both heavy emphasis for the OS-9 enthusiast; with a good representation of RSDOS.

Seven months after the previous Fest in October 92, CoCo enthusiasts from all around will looking forward to it!

This will total up to a fest you don't want to miss!

Tickets:	Til Feb 1	At the door
One day	\$10.00	\$12.00
Two day	\$12.00	\$15.00

Mail to:

Middle America Fest

Terry Simons/ Treas.

1328 48th

Des Moines, IA 50311

```
150 LE = LEN(N$):IF LE < 20 THEN N$
= N$ + '' ':GOTO 150
160 CLS:PRINT@320, ''-''N$''-'' :GOSUB
230:ON INSTR(''YyNn'', I$)GOTO
170, 170, 120, 120
170 A$ = N$ + STRING$
(108, CHR$(255)): DSKO$DR, 17, 1, A$, B$
180 CLS:PRINT@98, ''ANOTHER DISKETTE?
(Y/N)'':GOSUB 250
190 ON INSTR(''YyNn'', I$)GOTO 200,
200, 270, 270
```



## Disk Utilities

Continued From Page 7

```
200 PRINT@162, '' INSERT NEW
DISKETTE'' :PRINT@226, '' THEN PRESS
<ENTER>'' :GOSUB 250
210 GOTO 80
220 READ A:POKE X,A:RETURN
230 PRINT@290, '' YOU ENTERED''
240 PRINT@386, '' IS THIS CORRECT? (Y/
N)''
250 I$ = INKEY$:IF I$ = '' THEN
250 ELSE RETURN
260 CLS:PRINT@170, '' LINE TOO
LONG'' :FOR T = 1 TO 500:NEXT
T:RETURN
270 CLS:END
280 DATA 80, 85, 84, 96, 78, 65, 77,
69,96,73,78,84,79,96,68,73,83,75,69,84,84,69
290 DATA 66, 89, 96, 82, 79, 66, 69,
82,84,96,69,110,96,66,82,85,72,76
300 DATA 104, 67, 105, 96, 113,
121, 120,119
```

### RETURN OF THE RASCAN DIGITIZER!!!

The BEST CoCo Video Digitizer is now again available!  
320x200 to 640x200, color scans with 512K and filters!  
Plugs into joystick ports. See Rainbow review, Dec.  
1990, pg. 83. **INTRO SPECIAL:** Send \$40 down and get a  
Rascan for only \$140! Shipped from Australia; allow  
8-10 weeks. Full payment only \$135. Offer expires  
30 Nov. 1990. **REGULAR PRICE: \$175**

**NEW ITEM: OS-9 Invoice/Inventory Manager.** Print  
invoices by typing customer info then selecting part  
number from list! Complete with Basic-09 source.  
Multi-user, Level I or II. Requires Basic-09. \$24.95

### OTHER FARNA ITEMS

The CoCo Family Recorder - genealogy system, CC3, 80  
column monitor, 2 drives- \$24.95

**OS-9 Quick Reference Guide-** desktop reference- \$7.95  
Patch OS-9 - 2 disks of most used patches&utilities,  
auto patches w/512K, minimum of 2 40T DS drives.  
\$5.00 w/ORG, \$7.50 alone

Little Black Book- address/phone database- \$7.50

Video Tape Organizer- video library database- \$7.50  
LBB & VTO- both only \$12.50!!

Keep-Trak- general accounting, CC 1,2,3- \$24.95

Accounts Receivable for K-T- \$10 (\$20 alone)

Omega File- menu driven database, CC 1,2,3- \$24.95

Programming the 6809- Assembly language book  
recommended by Motorola & Marty Goodman- \$22.95

## FARNA Systems

904 2nd Avenue, Warner Robins, GA 31098  
Phone 912-328-7859 Add \$1.50 S&H (GA add 5% tax)

```
0 'PRINTDIR.BAS IS PROGRAM NAME
1 '
2 'COCO MULTI-COLUMN DIRECTORY LISTING
3 'COPYRIGHT (C) 1986
4 ' By: Robert E. Bruhl
5 ' 841 N. Mapleton Ave.
6 ' Oak Park, Il. 60302
7 '
8 ' Last Modified 1/19/92
9 '
10 CLEAR 2000:C$ = '' ':DIM I$(78)
20 IF PEEK(65314) AND 1 THEN 20
30 POKE 150,18 '2400 BAUD
40 PRINT#2,CHR$(27); CHR$(52); CHR$(33);'33
LINES PER FORM
50 PRINT#-2,CHR$(27);CHR$(18);
'10 CHARACTERS PER INCH
60 N = 0
'FILENAME COUNTER
70 CLS:PRINT@0, '' DRIVE 0-3?''
80 AN$ = INKEY$:IF AN$ < '0' OR AN$ >
'3' THEN 80 ELSE DR = VAL(AN$)
90 FG = FREE(DR)
100 PRINT@64, '' LOCATION OF DISK ID''
110 PRINT@100, '' (O)n DISKETTE?''
120 PRINT@132, '' (I)n DISKETTE?''
130 AN$ = INKEY$:IF AN$ <> '0' AND AN$ <>
'I' THEN 100
140 IF AN$ = '0' THEN 170
150 DSKI$DR,17,1,A$,B$:DI$ = LEFT$(A$,20)
160 PRINT'' ID: '';DI$:GOTO 180
170 LINEINPUT '' ID: '';DI$
180 DSKI$DR,17,2,A$,B$
190 FOR S = 3 TO 11
'SECTOR NUMBERS
200 DSKI$DR,17,S,X$(1),X$(2)
210 FOR GR = 1 TO 2
'2 GRANULES PER SECTOR
220 FOR J = 1 TO 97 STEP 32
'4 ITEMS PER X$(GR)
230 IF MID$(X$(GR),J,1) = CHR$(255) THEN
380 'NO MORE ENTRIES
240 IF MID$(X$(GR),J,1) = CHR$(0) THEN 370
'DELETED ENTRY
250 N$ = MID$(X$(GR),J,8)
'FILENAME
260 E$ = MID$(X$(GR),J + 8,3)
'EXTENSION
270 Y$ = MID$(X$(GR),J + 11,1)
'TEMPORARY STORAGE
280 Y = ASC(Y$):T$ = STR$(Y)
'FILE TYPE
290 Y$ = MID$(X$(GR),J + 12,1):Y = ASC(Y$)
300 IF Y = 255 THEN F$ = 'A' ELSE IF Y =
0 THEN F$ = 'B' 'FILE FORMAT
310 G = 0
'GRANULE COUNTER
320 Z$ = MID$(X$(GR),J + 13,2):Z = ASC(Z$)
+ 1
```



## Forsale / Wanted

### FOR SALE

512K COCO3--\$75 Magnavox Professional RGB Monitor--\$175 10 Meg Hard drive, with Disto Controller (no case) \$125 Multi-Pak with PAL Chip installed--\$50 40 track Disk drives 0 & 1, with J&M controller, switchable for RS Dos & Ados3=\$100 Tandy DMP 130 Printer, with serial-Parallel Cable and Baud Control Box (300-9600) also 3 new ribbons--\$130 2400 Baud Compudyne Modem

Call Len Zielinski at 708-967-8791 Bet. 9AM & 9PM

### FOR SALE: ON 921012

TRS-80 MODEL 16.B W/15 MEG DISK SYSTEM FOR 8" DISK. (2) TRS-80 DWP 510 PRINTER; (1) DAISY WHEEL PRINTR MODEL II; (3) TRS-80 8 MEG DSK SYSTEM; (2) TRS-80 12 MEG DISK SYSTEM; (1) TRS-80 15 MEG DISK SYSTEM; (4) DISK SYSTEMS 3 SLOTS, 2 DRV; (4) TRS-80 MDL II MICROCOMPUTRS; EVERYTHING WORKS - PRICE NEGOTIABLE -

CALL PHIL OR JIM CLARK 8 AM -5 PM WEEK DAYS OR 9 AM TO 12 NOON SATURDAYS 708-366-1913

### FOR SALE: ON 920909

I have acquired more ZX goodies to pass on to you all since my last ad:

#### \* Timex and Sinclair Hardware \*

(2) TS-2068; (2) Joysticks; (1) Spectrum Joystick Adapter; (2) Commodore 1520 Color Plotter; (1) Color Plotter Repl Pen Set; (1) Wico Trackball; (1) TS-2040 Printer; (1) TS-2068/1520 Plotter Intfce; (5) TS-2050 Modems (untested, 3 with cables, all uncased); (1) OS-64 Cartridge; (1) TS-2068 Winky Board; (1) Z-SIO (TS-2068 Serial Intfce); (1) JLO TS-2068 Expansion Board; (1) Z-Link (TS-2068 to Spectrum bus converter); (1) JLO Printer Interface Card; (1) QL; (2) Crazybugs Cartridges; (2) Budgeter Cartridges; (1) States & Capitals Cartridge; (1) Pinball Cartridge; (1) Flight Simulator Cartridge; (1) Androids Cartridge; (1) ZX-81; (3) TS-1016 (16K Rampack); (2) TS-1000 Winky Board; (1) Larken NVM for TS-1000

#### \* TS-2068 Software \*

Fighter Pilot; MScript; Flight Simulator; Casboard; 2068 Ramdizk; Textwriter 2000 Plus; Pro/File 2068; Hot-Z 2068; Mterm-T; Loader V

#### \* Spectrum Software \*

Super Bowl Machine; Code Tutor; Higheay Encounter; The Flying Formula Dlan Specterm-64 ZXpert 007 Spy Softaid (10 Programs) Cassette 50 (50 Programs)

#### \* TS-1000/ZX-81 Software \*

Word Sinc ZX-Term\*80

#### \* QL Software & Manuals \*

QL Technical Guide; MAC Paint (with files); CAD Runtime Editor; Pascal Psion Package (WP,SS,DB,Graph); Qcode QLTerm; QLink

#### BEST OFFER

Gary Lessenberry  
12 Alleghany Road  
Havelock, NC 28532  
919-444-3895

### FOR SALE: ON 920719

1770 DISK DRIVE CONTROLLER I.C.s for \$9.00 each postpaid to U.S. or Canadian addresses.

Paul Holmgren 52310 Wilton Wood Court Indianapolis IN 46254 317-291-6002

### FOR SALE: ON 920102

128K QL W/ MINERVA 1.66 ROM and ENHANCED KEYBOARD \$95;

MIRACLE 512K EXPANDERAM (QL)

SPEEDSCREEN ROM (w/ RAM code on 1 mdv) \$45; NUCLEON (2 mdv) \$15;

INTEGRATED ACCOUNTS (on 3 mdv) \* ALL ABOVE ITEMS: \$250 \*

\* ALL PRICES NEGOTIABLE \*

CALL: AlFeng H(708) 971-0495

### FOR SALE: ON 920522

Epson LX-86...needs new head; Royce 23-chnl CB mobile radio; Royce 40-chnl CB mobile radio; If interested, either leave E-mail, or call Tom Kowalski at (708) 289-7583 after 3:30 PM, or leave message on answering machine.

### WANTED: ON 920509

TRACTOR AND/OR ROLL PAPER UNIT(S) FOR MANNESMANN

TALLY MT160 PRINTER. ALSO, ANY INFORMATION ON THE RC

ALLEN (BY LITTON WESTREX) PRINTER MODEL NO.88802-112

D. G. Smith, R.415 Stone St., Johnstown, PA 15906

### FOR SALE: ON 920309

GETTING RID OF EXCESS EQUIPMENT, HARDWARE, SOFTWARE,

BOOKS, ETC. FOR BOTH TS1000 AND TS2068. SEND FOR LIST. WILLIAM VOLK, 6015 CARTER AVE, BALTIMORE, MD

21214 H301-254-8258

## Forsale / Wanted

Continued From Page 8

FOR SALE: ON 920509  
LOCAL COMPUTER GROUP GETTING RID OF EXCESS  
EQUIPMENT,  
HARDWARE, SOFTWARE, BOOKS, ETC. T/S USER'S  
GROUP,  
P.O.BOX 614, Johnstown, PA 15907

FOR SALE: ON 911010  
CoCo 1 W/64K AND PRO KYBRD . \$20; J&M Controller \$65;  
Dual TEAC Disk Drives \$80; Joysticks \$10  
The whole package with software and manuals: \$125  
CALL TONY SOKOL H708-428-4058

FOR SALE: ON 911025  
I have a Sinclair ZX81 with 64K Memotech RAM, enhanced  
keyboard and 300 baud Byte-Back modem. I also have a  
TS2068 with modem, printer, and Spectrum cartridge,  
along with a dozen old programs from Quicksilva and  
the like, for both machines. Both are in working  
order and excellent condition. Make an offer on the  
whole kit and kaboodle. Peter Paglia, 8802 Partridge  
Run, Chapel Hill NC 27516

FOR SALE: ON 911015  
QL Complete System \$80; Gold Card for the QL \$500  
Call Frank Davis H317-473-8031

FOR SALE: ON 911015  
For the AMIGA 500: Platinum Scribble \$40; Deluxe Paint \$25,  
Walt Armstrong H407-433-8822

FOR SALE: ON 910912  
256K 80 nS SIMMS IBM TYPE, 1 MEGABYTE TOTAL  
\$15/ea or \$50 for all 4  
Call MIKE WARNS W708-982-2107 H708-627-9561

FOR SALE: ON 910426  
COLOR COMPUTER 3 - DISK DRIVE CM-8 COLOR MONI-  
TOR  
W/PLATFORM; SMITH CORONA; TP-1 PRINTER; JOYSTICK  
AND 1  
DOZ BLANK DISKS; SOFTWARE INCLUDES DESKMATE &  
HOME PUBLISHER \$400 OR BEST 312-337-3624

WANTED: ON 920901  
LarKen LKDOS system. Contact: Bob Swoger,  
W708-576-8068 or H708-837-7957

To : All From : Barry Ruchalski  
Subject : for sale  
Date : 92/10/06 19:44:30  
coco 3 128k; coco 3 512k; disk dr. 0; disk dr. 1 & 3 (ds)  
4 disk controlers; 2 eprom burners; MPI (PAL); SOFT CASE  
FOR COCO; MODEMI; LIGHT CONTROLER; LINE PRINTER  
120; DIGISECTOR DS-60/69B; SPEECH SOUND CARTRIDGE;

COLORMAX; ALL DISK PROGRAMS; ALL TAPE PRO-  
GRAMS; 1 DELUXE JOYSTICK;  
4 JOYSTICKS; MOUSE; GRAPHIC TABLET; VIDEO INTER-  
FACE; KINGS QUEST II; MODEL III (RS) 48K;  
2 DISK DRS. AND ALL SOFTWARE TO HERE!!! \$400.00  
TAKE ALL

NEXT : YAESU FT 101 EX TRANS/CEVER \$250.00;  
TEN-TEC TX-100 TRANS. & TEN-TEC RX-10 RECEV. \$50.00  
(QRP)  
HW-8 QRP \$50.00; 5 BAND VERTICAL \$50.00  
CALL BARRY AT 708-742-7774  
ALSO: COCO II 64K; DISK DR. 0 CONTROLER;  
CASS.&CABLES;  
2 JOYSTICKS; MPI; ALL \$75.00  
CALL BARRY AT 708-742-7775

## Disk Utilities

Continued From Page 8

```
330 Y$ = MID$(A$, Z, 1) : Y = ASC(Y$) + 1 : G = G + 1
340 IF Y < 192 THEN Z = Y : GOTO 330
350 N = N + 1
360 I$(N) = N$ + C$ + E$ + C$ + T$ + C$ + F$ + C$ + STR$(G)
' STORE FILENAME INFO
370 NEXT J, GR, S
380 IF N < 17 THEN 550
390 PRINT#-2, DI$; : PRINT#-2, TAB(27); FG; ' FREE GRAN-
GRANULES''
400 IF N < 37 THEN 510
410 PRINT#-2, CHR$(27); CHR$(20)
' 16 CHARACTERS PER INCH
420 IF N < 55 THEN 480
430 N = INT((N + 3)/4) : FOR I = 1 TO N
' 4 FILENAMES PER LINE
440 PRINT#-2, LEFT$(I$(I), 12); : PRINT#-
2, TAB(22); LEFT$(I$(I + N), 12);
450 PRINT#-2, TAB(43); LEFT$(I$(I + N + N), 12);
460 PRINT#-2, TAB(64); LEFT$(I$(I + N + N +
N), 12)
470 I$(I + N + N + N) = '': NEXT : GOTO 580
480 N = INT((N + 2)/3) : FOR I = 1 TO N
' 3 FILENAMES PER LINE
490 PRINT#-2, I$(I); : PRINT#-2, TAB(27); I$(I +
N); : PRINT#-2, TAB(54); I$(I + N + N)
500 I$(I + N + N) = '': NEXT : GOTO 580
510 PRINT#-2, CHR$(27); CHR$(29)
' 12 CHARACTERS PER INCH
520 N = INT((N + 1)/2) : FOR I = 1 TO N
' 2 FILENAMES PER LINE
530 PRINT#-2, I$(I); : PRINT#-2, TAB(31); I$(I + N)
540 I$(I + N) = '': NEXT : GOTO 580
550 PRINT#-2, DI$ : PRINT#-2
560 FOR I = 1 TO N : PRINT#-2, I$(I) : NEXT
570 PRINT#-2 : PRINT#-2, TAB(1); FG; ' FREE GRAN-
ULES''
580 LINEINPUT 'ANOTHER DISK?'; AN$: IF AN$ =
'Y' THEN PRINT#-2, CHR$(12) : GOTO 50
590 LINEINPUT 'SKIP TO PERFORATION?'; AN$: IF
AN$ <> 'Y' THEN 610
600 PRINT#-2, CHR$(12) : GOTO 590
610 PRINT#-2, CHR$(27); CHR$(52); CHR$(66) : END
' 66 LINES PER FORM
```

# January 1993

## BARSoft Publishing

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY																																																																																		
					1 New Year's Day	2																																																																																		
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# February 1993

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**Location:**

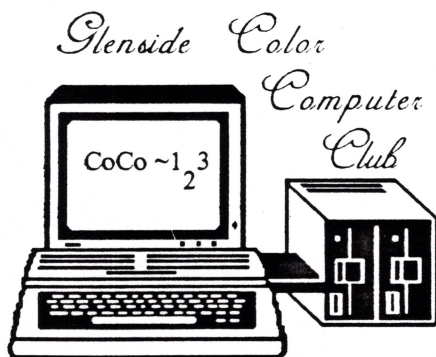
Glenside Public Library  
25 W. Fullerton Avenue  
Glendale Heights, IL. 60172

**Directions:**

Fullerton avenue is about 1 mile North of North Avenue (Route 64). The library is located West of Bloomindale Road in Glendale Heights. Bloomingdale Road is aproximately 2 miles West of Route 53 (or I-355).

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*Glenside Color Computer Club*  
**Next Meeting Date...**  
**January 14**



119 ADOBE CIRCLE  
CARPENTERSVILLE, IL. 60110



Allen Huffman 93  
110 Champions Drive  
Apt. 811  
Lufkin TX 75901  
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