



# UpTime

The newsletter for:  
RS-DOS, OS9, OSK,  
CoCos, and 68xxx's.

Volume 1, Issue 2

October 1992

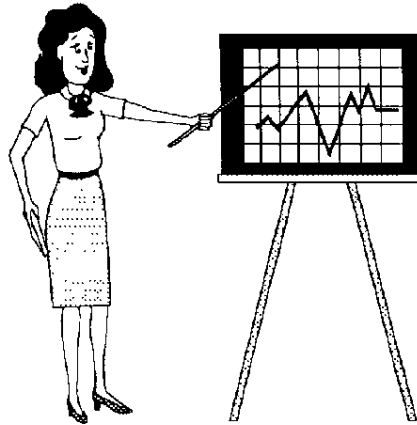
## Editorial

*Hello again!* Welcome to the second issue of *UpTime!* I am happy to say that the newsletter is expanding in a few different aspects. You may have noticed that this month's edition contains six pages rather than the four from last month. This is partly due to the need to cover the increased ad space and partly due to the positive response we have received in the form of subscriptions!

Again, the purpose of the *UpTime* newsletter is to provide CoCo/68xxx users with a concise collection of information about what is new in the software and hardware markets and about how existing programs stack up against each other. You may have noticed that the *Rainbow's* size has shrunk quite a bit in the last few months, and the subscription and advertising base have fallen considerably. In fact, you can no longer go to the *Rainbow* for product information simply because there are so few advertisements in the magazine.

As a dealer, *JWT Enterprises* started *UpTime* as a publication not

## WHERE'S



## THE BEEF?

only for our products but also for other people and businesses who want to advertise their software to the public. And our current mailing list for *UpTime* covers five hundred computer enthusiasts from our own private list and *CoCoPro!*'s mailing list.

One of the driving forces behind the CoCo has been the strong third party support in the form of both software and hardware add-ons. In fact, it was dedicated people who wrote some *great* software that began this trend over ten years ago. The problem for people in the last few years was the gigantic cost of advertising in the only large publication: *Rainbow*.

As advertising rates at the start of *Rainbow's* career were low, several people had the opportunity to start companies and generate enough revenue to continue advertising. But the average person could not justify spending that much to advertise when the return

was not guaranteed.

However, we are now past that hump, and *you* can advertise your own products to people through *UpTime*. A quarter page ad is only \$15, a half page is \$30, and a full page is \$55. And these rates are not likely to *ever* go up, because our incentive is not to make money, but to keep the market alive. Think about it... and if you would like to advertise, please drop us a line!

\*\*\*

Another project which we would like to take on is a 'software database' which would contain all (or at least as much as we could gather) of the software ever written for the CoCo and 68xxx machines. Basically, we would have the name of the software, type, a brief description, system requirements,

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# UpTime

Editor: Jordan Tsvetkoff

*UpTime* is published 12 times a year by **JWT Enterprises**, 5755 Lockwood Blvd., Youngstown, OH, 44512. Yearly subscription rates are \$15.00, or \$7.50 in two installments. Foreign orders (except Canada and Mexico) add \$7.00 postage. Copyright © 1992 by JWT Enterprises. Quotation not permitted. Material may not be reproduced in whole or in part in any form whatsoever without the express written permission of JWT Enterprises.

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*Purpose:* To provide information about products, services, and activities relating to the **Tandy Color Computer** and **OSK/68xxx-based machines**.

*Submissions:* Submissions of any form can be sent to *UpTime Submissions*, **JWT Enterprises**, 5755 Lockwood Blvd., Youngstown, OH, 44512. Please note that article/editorial submissions are preferred, although short program listings will also be considered. If reimbursement is requested, please indicate in writing with the initial submission.

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5755 Lockwood Blvd.  
Youngstown, OH 44512.

You will be billed for the second installment of \$7.50. Foreign orders (except Canada and Mexico) please add \$7.00 postage costs.

## AND TOWARDS THE FUTURE...

Last month we had a discussion about the different operating systems in the computers that you see around you today.

First, recall that an operating system is the basic code that controls the allocation of resources and devices for the user-level applications. As we looked at the different systems that have come about, we saw that the first operating systems were not very efficient and were designed to only work on one thing at a time.

Then more complex systems allowed you to switch between the main application and one or more "desk accessories" as they are known in Apple-land, or TSRs in IBM lingo. Then came the realization of the dream of switching between different applications on the fly.

Up to this point, it is still only a switch between the actual programs, and any apparent multitasking (the ability to have different programs *executing* or doing work at the same time) was handled "cooperatively" between the different applications as each voluntarily gave up control in case any other applications needed it. Of course, if an application were to do an intensive cycle and did not relinquish control periodically, the computer would "freeze" until the operation terminated, and the user could not switch to another application. This in essence defeats the goal of multi-tasking: to work on other projects as the computer chugs along with a large calculation.

"Preemptive multitasking" is the answer to the problems in the last example. A preemptive multitasking environment frees the program from worrying about relinquishing control.

*Future cont'd, page 4*

## UPCOMING EVENTS

### Atlanta CoCoFest III

Oct. 3 & 4

Holiday Inn Northlake  
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*Sponsored by:*  
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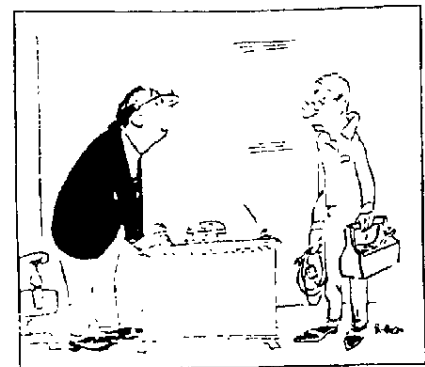
\* \* \*

### Middle America's Fest

March 1992 (tentative)  
Des Moines, Iowa

*Sponsored by:*  
**Mid Iowa & Country CoCo**

*Contact:*  
**Terry Simons (MI&CC Treas.)**  
1328 48th St.  
Des Moines, IA 50311  
(515) 279-2576



"We paid over a million dollars for that computer system and all you can say, 'It shouldn't do that!'"

## Looking for CoCo Support??

Look to the: **UPGRADE National Diskletter!**

From: Mid Iowa & Country CoCo

*More than a local meet... we are a national reachout!*

Our "UPGRADE" newsletter mailed on Disk, has become a real hit with MAX III graphics accompanying articles. The articles from RDDOS Basic programming, and hardware, to OS-9 by James Jones of Microware: dump to screen (TV, Mono, or RGP) or printer. Sometimes with the news before the big mags, and editorials you will not see in the commercial magazine. With many user tips, and ideas.

Our Power Packed Domain Library: is purposely small relative to thousands available; because the few hundred disks there are carefully selected as "The Best Available"! Public Domain, Shareware, OS-9, & previously big named Orphanware programs.

We also have, a "Christian Software Sub-chapter". Which simply offers Christian oriented software and listings for those interested.

Where can you buy? Or sell that equipment you've just upgraded from. You're free ads will be in the middle of the community.

Be in touch for Middle America's Fest '93 In Des Moines, IA.

Have you noticed the 3rd party market producers (i.e support) dropping like flies in late fall? The shrinking Rainbow? The support of you CoCo is rapidly being left up to YOU! *As third party decreases; belonging to a CoCo group is your only support.* Radio Shack and a long list of magazines have folded it in. If one more magazine folds,,, where will you look next month?

Our eight year record speaks very well to reaching out and serving members. A strong treasury assures confidence of delivery. Most members are out of town or out of state! Presently we have paid memberships in 23+ states and 3 provinces of Canada. Plus five clubs, and some dealers. Our 90% renewal rate says most all feel MI&CC is very worthwhile. Join up and see why: even user groups by vote: sign up with a paid membership!

Your membership will bring you all Newsletters, Library, Voting, and other priviliges, for a year. (\$3 Sample disk)

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Des Moines, IA. 50311

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## Future cont'd from page 2

Instead, the operating system periodically interrupts, or preempts, the currently running program, or process, and switches to any other that need CPU time. In this way, the operating system distributes the CPU's time between many different programs, and preempts them whenever their time period elapses, rather than when the program decides it is time for a switch.

The added benefit to programmers is the fact that programs are much easier to write when you do not have to worry about relinquishing control in just about every part of the program. The other benefit from the user's perspective is that it is extremely easy to *kill*, or terminate a process by simply refusing to give it any more time and returning the program's resources (such as open files and memory) to the system. In addition, this form of operating system more effectively handles interrupts, because the operating system preempts the current process whenever an interrupt is received, thus the interrupt can be serviced more quickly than if the operating system had to wait for the CPU to become available.

OS-9 is a fully preemptive based operating system, and it has been available for the CoCo since the early 1980's. UNIX is a very popular operating system that is also preemptive based; it is used almost exclusively on workstations and is also available on IBMs (XENIX) and Apples (A/UX).

Although UNIX was originally written at AT&T laboratories, the University of Berkeley totally rewrote the system to eliminate AT&T's hold on royalties, thus popularizing the software even more. Although a few different versions of UNIX exist, they all are essentially the same.

OS-9 and UNIX are very

similar, and moving between the two is quite easy once you are familiar with the idea of background processes (other programs running that you are not currently working with) and file paths (the flow of information between programs and files on permanent media).

Another interesting sidenote about UNIX is the fact that it is written almost entirely in C. C is a lower-level language, but it is still interesting that a popular operating system is not written in direct assembly language but rather a compiled language. The main benefit from this is the ease of portability of the operating system to different platforms. There is a slight speed penalty, but the code has been thoroughly optimized and does the job of running the computer quite well.

Another contender in the race for popular preemptive based systems is Windows NT by Microsoft. Originally, Microsoft wrote Windows to give IBM compatibles a graphical based "Macintosh" feel. In this new release, the system will provide full multitasking abilities to the IBMs, as well as a few other platforms that Microsoft is targeting.

Sofar Apple has not announced anything similar for their Macintosh line, although the possibility of yet another system upgrade for the Macintosh cannot be ruled out.

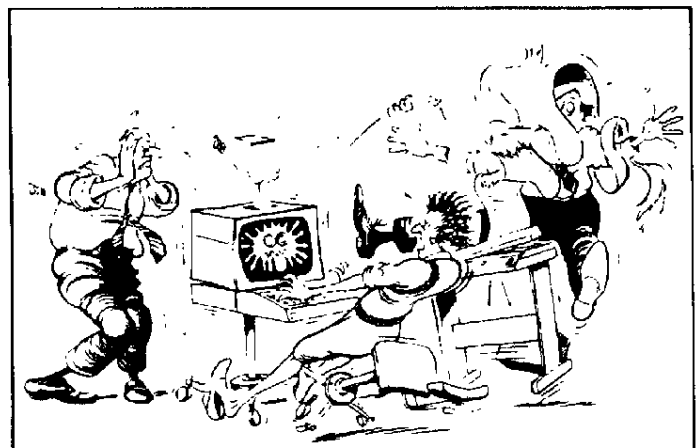
Another new concept that is beginning to surface is the idea of a *multithreaded* operating system, as opposed to multitasking. In the multitasking environment, each program is a *process*, and many individual

processes can execute at the same time. In a multithreaded operating system, each program is actually a series of threads, or parts of the program that are running at the same time. Instead of many processes executing at the same time, there are many threads executing at the same time.

Each program can be broken down into many different sub-programs, such as character input, printing driver, file transfer, etc. Each thread communicates with the others via messages implemented by the operating system. For instance, the input thread could send the main thread a message that a 'print' button has been pushed. The main thread might send an auto-save message to the file transfer thread and then a print command to the print thread. After the print command is sent, the main thread has the option of going ahead with other tasks while the print thread processes the document at the same time. We might take a closer look at this concept in a future issue.

I hope this provides you with a little background into the inner workings of the computers that you use in your everyday lives. Next time, I would like to take a closer look at how OS-9 itself works and compare it to some of the newer systems that are starting to surface.

- Jordan Tsuetkoff



# *ColorSystems*

*Quality OS-9 Software for  
the CoCo3 and the MM/1 from IMS*

## **CoCo3 Software**

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*(Includes CoCothello, CoCoYahtzee, KnightsBridge,  
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# COLOR COMPUTING SOFTWARE PRESENTS...

## The Sound Library Vol. 1

The Sound Library Volume One contains five digitized sounds that you can add to your sound collection. The sounds include a trumpet call, an electric guitar solo, cannons firing, carolers wishing you a Merry Christmas, and some haunting vocals. Each sound is digitized in 6 bit quality which is the highest quality you can get without using hardware.

CoCo 3.....\$6.95

## The Sound Library Vol. 2

The Sound Library Volume 2 contains five more sounds to add to your collection. The sounds are action based and are in 6 bit quality.

CoCo 3.....\$6.95

## Puzzle Madness: Three Mind Twisting Puzzles

Three puzzles just for you! The first program, Wordsearch Generator, will create wordsearch puzzles from a word list that you enter in. The program also prints the answer keys.

The second program, Video Jigsaw, scrambles up PMODE 4 pictures and lets you put them back together.

The third program, FIND IT! is the hardest of all. The computer will display a word and you have to make as many words as you can from the letters in the given word. A dictionary is included with each word so that you can't cheat. The program comes with five word lists which are picked at random.

CoCo 3.....\$9.95  
IBM Wordsearch Puzzle Generator.....\$11.95

## Markbook V1.0

Markbook will keep track of all your grades! The program can hold 35 students, nine subjects, and up to 20 grades per student in each subject. The program can average all grades quickly and accurately. All menu driven!

CoCo 2 & 3.....\$9.95

## Deluxe Music Machine Plus

This program will allow you to create sound and music on your computer with ease! The program allows you to play your computer like a piano and then converts all the key presses into sound commands. A BASIC convert utility is included which will actually write the BASIC program that plays your song (not included on Apple version). Includes many editing features!

CoCo 2 & 3 version.....\$6.95  
Apple IIe, IIGS.....\$9.95

## NEW! The CoCo Font Pro

Are you sick of the HPRINT's boring font set? We were, so we came up with a solution, The CoCo Font Pro! The user friendly program lets you use menus and windows to create, edit, and install your own custom font sets or you can use the several font sets provided. Other routines provided allows you to use up to six different font sets in your own BASIC programs, enlarge fonts to specified sizes, and show demos of your font sets.

The font sets included are Normal, Normal Inverted, Picture, Script, Fancy, Outline, and Bold. More fonts are available which includes Old English, Future, 1940's, Italics, and others. The extra font set disk also includes a utility which will convert McPaint fonts sets to Font Pro font sets.

CoCo 3 Font Pro.....\$14.95  
Disk of extra font sets.....\$4.95

## Color Computing Programs on Disk Volumes 1 & 2

Now with a new, easy to use menu system! Color Computing Programs on Disk is a two disk set containing all of the programs that were published in Color Computing Magazine. There are over 60 programs all together! Our number one best seller!

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## Color Computing Magazine Complete Back Issue Order

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Note: IBM and Apple are registered trademarks of the respective companies.

*Editorial cont'd from page 1*

and whether or not the program is still being sold; if the program is still being sold, the current price and contact address would also be included.

As more information comes in and changes occur, we would update the database accordingly. Although we plan to publish this information in *UpTime*, a full listing would probably take up more pages than any single issue has. What will probably occur is a partial listing of the database each month, probably limited to changes and/or special features (such as word processors only). What we need is the support of everyone to make this work—we are going to contact every dealer that we know of for a list of their products, and we need to know of any information that *you* might have about long-forgotten programs and where they can currently be found.

I hope this project comes together, but again, it hinges on the support of everyone out there. Look here for an update of this project in the upcoming months.

\* \* \*

The last thing I would like to throw out this month is a request for reviewers. We have already received a few offers for reviews in *UpTime*. If you would like to do reviews, please write us at the regular mailing address and include your preferences along with any topics that you would not feel comfortable reviewing.

These reviews will be handled strictly through *UpTime*, and the reviewer and dealer will

not have any contact unless the reviewers need extra information on their own. Again, we are hoping for a good response, but the success of this depends on our reviewers and the dealer's interest. If you make any purchases in the future, mention the fact that you read *UpTime* and are looking forward to reviews of that dealer's products.

\* \* \*

Again, do not confuse *UpTime* with our other publication, *Nine-Times*. *Nine-Times* is a disk-based publication which is specifically designed for OS-9 Level 2 on the CoCo 3 and is published bimonthly. *UpTime* is for all of the 68xx and 68xxx based

computers, and it is published monthly in print form.

Thanks again for bearing with me, as a lot is happening quickly as *UpTime* is taking off, but it all seems to be coming together nicely. I hope you enjoy the newsletter, and you can look forward to some articles by people *other than myself* in the next issue. Again, if you would like to contribute, please feel free to submit anything to *UpTime* at the regular mailing address. And no, submissions do not become the property of *anyone* except yourself.

-Jordan Tsuetkoff

### See Us at the Atlanta CoCoFest

**The CoCo Family Recorder** Genealogy Data System. Print & store all records. Pedigree, individual, and family charts. Requires CoCo 3, 2 drives, and 80 columns (mono or RGB). **\$24.95**

**OS-9 Quick Reference Guide** Similar to CoCo BASIC QRG. Contains command syntax, screen codes, system calls, error codes.... much more! Perfect for beginners AND experienced OS-9ers! **Companion Disk** has all the popular patches from Delphi! Will AUTOMATICALLY patch OS-9 on a 512K 2 drive CoCo! OS-9QRG: **\$7.95**  
Disk: **\$5.00 w/QRG, \$7.50 alone**

**Programming the 6809** by Zaks & Labiak. ML programming - recommended by Motorola and Marty Goodman! 362 pages, 150 illustrations. **\$22.95**

**Keep Track** General Ledger. Double entry small business accounting system. Requires 64K DECB **\$24.95**  
Add \$10 for Accounts Receivable module (\$20 alone)  
**Omega File** Programmable Database. Up to 16 fields, 255 characters each. Menu Driven! Requires 64K DECB **\$24.95**

#### **FARNA Systems**

904 2nd Ave., Warner Robins, GA 31098-1029  
912-328-7859 Add \$1.50 S&H (GA add 5% tax)

# Here are just a few of the new OS-9 products that will be shown at the Atlanta CoCofest...

(which you don't have to wait to own, of course!)



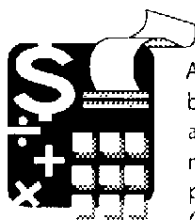
**CoCoPRO! Solitaire for OS-9!** An all-new game package! Written in 100% ML, this is the fastest solitaire game around! Includes regular and Klondike variations, options for large or small cards, and source code! Requires OS9 lv 2, joystick or mouse.

Regularly \$17.95... intro special only **\$12.95!**

**QuickLetter OS-9!** No bells, few whistles... QuickLetter OS-9 is designed for quick and easy correspondence and small documents, without the hassles, steep learning curves, and higher price of full-blown wordprocessors! Req. OS9 lv 2, printer.



Regularly \$27.95...intro special only **\$19.95!**



## Accounting Level 2!

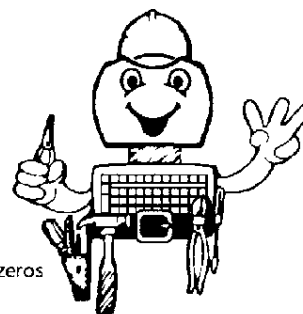
A comprehensive personal/small biz package! Supports up to 100 accounts w/menu of most common payees, account & ledger printouts, cashflow statements (w/graphs), tracking of tax/GST paid, recurring payments, & more! Req. basic acct. knowledge, OS9 lv 2, joystick or mouse.

Regularly \$49.95...intro special only **\$34.95!**

*Shipping soon!*

# TOOLS 3

AN ALL-NEW SET OF 24 USEFUL TOOLS FOR THE OS-9 LV. II USER!



### •File Handling Utilities

- Erase** - overwrites deleted file with logical zeros
- Split** - separate modules from a file
- Find** - Find a file (somewhere) on a disk.
- XCopy** - enhanced copy command
- RSCopy** - copies files from RSDOS disks-no patches needed!
- Dircopy** - copies directories, with optional recursion

### •OS Extensions

- Dupdisk** - "Lightning"-fast backups in one pass!
- Password** - Protection for any file.
- Send** - Send signals to processes.
- Save** - Copies modules from memory to disk.

### •Module Generating Utilities

Generate OS-9 modules and device descriptors, without an assembler!

### •Point & Click Utilities

Set up dirs, execute, & delete files in point & click fashion.

### •Miscellaneous Utilities

- CMod** - Change any modules in memory (not just SCF-type)
- Moddir** - Prints out directory of all source code modules it finds.
- Bitbucket** - Soaks up data without processing. Great for rerouting screen calls of background programs.

**\$29.95**

**BONUS- THE OS-9 OSCILLOSCOPE!**

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# And here are a few of the new goodies for RSDOS!

(which you also don't have to wait to own!)

## HRS-DOS

This new enhancement, primarily designed for users of RGBDOS and Ken-Ton hard drive systems, allows easy transfer and handling of RSDOS files while running OS9! With *HRS-DOS*, you can check directories of any RSDOS drive on your hard drive system while running OS9, copy in RSDOS files, copy OS9 files to your RSDOS section, and much more! *HRS-DOS* requires no patching of *CC3Disk* or any other module! For this reason, many users without Ken-Ton hard drives (or any hard drive, for that matter) may well find *HRS-DOS* indispensable for reading in RSDOS floppies! Requires CC3, OS-9 Iv 2.

**\$19.95**

## SMARTWATCH DRIVERS

Now, you can make use of the easily-installed Smartwatch realtime clock under RSDOS, and can even use it with the popular shareware terminal program *Ultimaterm*! This software package includes utils for setting and reading the time from RSDOS, and also includes a special *ULTCLOCK.BIN* module. If you don't already have a Smartwatch, we also offer a special package including the chip and drivers. The Smartwatch is easily installed in any disk controller with a 28-pin ROM socket (such as the Tandy FD-502, any Disto model, and many HDS and J&M controllers). Price for chip and drivers is only **\$39.95**, or purchase the software alone for only

**\$14.95**

## CC3FAX

Now, you can use your CoCo-3 in conjunction with a shortwave radio receiver to receive, view and print FAX transmissions from news services, amateur radio operators...even weather charts and reports from the U.S. Navy! This is the most complete FAX package ever released for the CoCo! Requires 512k CoCo-3, and a shortwave receiver capable of SSB (single sideband) or CW (morse code) reception.

**\$29.95**

## EDT/ASM 6309

EDTASM6309 V1.00.00 for the Coco is now shipping! This is a major patch to Tandy's Disk EDTASM (editor/assembler) and offers many improvements over the original version, including support for both the standard 68B09E and the popular new 6309. The program disk includes separate versions for Coco 1/2 and the Coco 3. The only user-noticeable difference is that the Coco3 version uses an 80 column screen and runs in the fast 2MHz mode.

### CHANGES TO EDTASM

- Buffer size increased to over 40K bytes.
- Directory obtainable from both Editor and ZBUG.
- Multiple FCB and FDB data per line.
- FCS supported.
- ZBUG now defaults to numeric instead of symbolic mode.
- RGBDOS users now have support for drive numbers higher than 3.
- 6309 opcodes now supported for both assembly & disassembly.
- HD6309 detection is included and if present incorporates a ZBUG error trap for illegal opcodes and enables monitoring and changing the E,F,V register from ZBUG.
- CC3 users can now safely exit to Basic and use the RESET button from within EDTASM.

### REQUIREMENTS

You must already own Tandy's EDTASM to make use of this enhanced version. There is a *PATCHER* program on the product disk which will automatically convert your program for use. Selection of Coco 1&2 vs. Coco3 version is automatic. Coco 1&2 versions do require 64K RAM. The Coco 3 version will work with 128K of RAM.

### NEW COMMANDS

- V - obtains a directory from either Editor or ZBUG modes.
- FCS - is used exactly like FCC but automatically add \$80 to the last character in the string.
- FCB, FDB - for multiple entries per line entries should be separated by a comma.

### SUPPORT FOR 6309 OPCODES

The product disk contains several text files describing the 6309 and the new opcodes. These can be accessed with any word processing program or may be printed by a simple *READER* program also included on the disk.

**\$29.95**

# COCO PRO!

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TECH SUPPORT (313) 481-3283  
2-6 PM EST M-F

# CoCo Classified Ads

## HARDWARE

CoCo3512K, Mulipac (upgraded pal); Diso controller with RS232 port-parallel printer port-SCSI port-eprom burner; Burke & Burke hard drive interface; 10 meg MFM (IBM compatible) hard drive; composite monitor; 2 double sided (IBM compatible) floppy drive; deluxe joystick; and over 200 software packages including EDTASM; OS9II; PBBS6.0; OS9 BBS program setup and functioning on hard drive; games and more. Want to sell as package. Asking \$800.00. Call Robert at (608) 735-4847.

## SOFTWARE

Quest for Thelda (coco 3), \$30.00; Micro-painter, Big Bird's special delivery, Cookie monster letter crunch, \$5.00 ea.; Sam Sleuth, Scripsit-2, Thexder, Pitfall-2 (disk), Synther 77, \$3.00 ea.; All include instructions. Call (717) 235-0887 or write to David Call, 7 Cardinal Dr., Glen Rock PA, 17327.

## WANTED TO BUY

Looking for Text adventure games, especially Infocom games: Planetfall; Enchanter & Ballyhoo. Willing to Buy or Trade. Write or call Doug Vaughan, Space 385 3015 E. Bayshore Rd., Redwood City CA 94063, (415) 365-1719

Looking for Barbairan Quest or a good graphic arcade adventure game. Also some info on Gauntlet I & II. Please call David Call at (717) 235-0887, or write to 7 Cardinal Dr., Glen Rock PA, 17327.

Used Monochrome Monitor to support high resolution graphics on CoCo 3. Also looking for working CoCo 1 or 2; original software for CoCo 2 or 3; broken disc drives or hard drives. Contact Eric Meyer, 20 Gross St., Tiffin OH 44883.

## GENERAL

Any Penpals! Also Advice on getting on Delphi CoCoSig and on 10 meter Packet/RTTY. Please contact Charles Scanlon at (203) 657-8373, 2 Eagle La., Simsbury CT 06070.

**HOMEOWNERS:** Save tens or hundreds of thousands of \$\$ on your mortgage, using techniques that banks will wish you didn't know! We'll prepare a customized report for you, outlining your current mortgage, along with five curtailment strategies and the resultant savings! Also, we can optionally set up automated payment thru a fully insured FDIC trust that will make your mortgage payment on time, every time...with no effort on your part! Results from following our strategies are **guaranteed** or your money back. Fee is \$59. To apply, send \$10 application fee (credited toward purchase), to: DNM Research, PO Box 763, Ypsilanti, MI 48197, or call (313) 481-3283.

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To place an ad, simply print out your ad copy, specify which classification you wish it placed under, and send it to **CoCoPRO! Attn: Classifieds, PO Box 763, Ypsilanti, MI 48198** along with your name, address, phone number, & payment. We reserve the right to refuse any ad we deem inappropriate (such as offers to trade commercial software, vendor ads, etc.). Cost for an ad is \$5 for 1st 20 words, \$3 for each additional 20 or portion thereof. Ad deadline is the 25th of each month for publication in the following month's issue. Ad copy will not be taken by phone. Neither CoCoPress Classifieds, UpTime, nor their sponsors shall be held responsible for any transactions that take place in the Classified section.

## A Letter from our Contest winner!

*Dear CoCoPro:* Just a note to say Thank you for the box of software. When I mailed the note for the drawing, I promptly forgot about it, mainly because I've never won anything on those mail-in contests. I'm still working my way thru the tons of programs! From now on, when I need any software, you'll be sure to hear from me! *Ron Hunter, Cerritos, CA*

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Foreign postage excludes U.S. Territories and Canada. These products for OS-9 Level 2 on the CoCo 3. Sorry, no C.O.D.'s or credit cards; Foreign & Canadian orders, *please* use U.S. money orders. U.S. checks, allow 4 weeks for receipt of order. Ohio residents, please add 6% sales tax.

# PIPELINE

**CoCoPro!** has announced four new products written by Bob Galt. These products include **EDTASM 6809** for the new Hitachi 6309, **CC3FAX** for shortwave imaging through the CoCo, the **Smartwatch Drivers** for the Smartwatch realtime clock chip, and **HRSDOS** for OS-9/RS-DOS hard disk partitioning. Watch for more information and prices in a future issue of *UpTime*.

**EDTASM 6309** is a patch to Disk EDTASM which itself was a patch from the EDTASM ROM-Pack sold by Radio Shack. This patch allows EDTASM to work with all of the enhanced instructions provided by the Hitachi 6309 microprocessor. In addition, it contains various CoCo 3 enhancements.

**CC3FAX** will allow a CoCo with a shortwave receiver (not transceiver) to pick up weather maps and news bulletins over the air waves.

**Smartwatch Drivers** have been written for both RS-DOS and Ultimaterm. *Smartwatch* is a real-time clock chip for the Color Computers.

**HRSDOS Enhancement** works with RGB/KenTon hard drive systems and allows the user to partition a hard disk into RS-DOS and OS-9 partitions. From OS-9, files can be transferred to and from both partitions. In addition, this product can be used on floppy based systems to transfer files from RS-DOS floppies to OS-9.

**N\*Johnson Software**, which advertised in the last issue, has transferred its product line to Sub-

Etha software. Questions and orders can be directed to *Sub-Etha Software*, P.O. Box 152442, Lufkin, TX, 75915, (409) 639-3842.

*If you would like information about your "soon-to-be" products to appear in Pipeline, send information about the product as well as mailing address and telephone number to UpTime Pipelines at the regular mailing address.*

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