



## From the President's Platen

by Tony Podraza

**F**our score and seven years ago, minus three score and seventeen, that is, I bought my first Color Computer. It was on sale for Christmas. "SPECIAL CHRISTMAS PRICING!!!" Oh well, there's one born every minute. Just the same, I've no regrets. There's been so many people that I've met, so many good times that I've experienced, and so much knowledge that I've had the opportunity to learn, that I've definitely decided that I'd do it all over again. Ten years, and there's still so much to do and learn. One would think that after that amount of time, a person would want to leave the old behind, and move on to other stuff. You know, different operating system, different hardware, more speed, same amount of dollars..... NOT!

Now, it's true that at work, I have been learning to use a new tool... BUT, and this is the BIG BUT, I HATE SHUTTING DOWN ONE PROCESS JUST TO CHECK OUT SOMETHING ELSE. Thank St. Silicon that he imparted the OS-9 Operating System to those brave souls out there in the middle of America's heartland so that I COULD move on to a different operating system, same amount of dollars (actually NO significant amount of additional dollars), and KEEP THE SAME HARDWARE!!! Okay, so I left "more speed" out... but don't the added capabilities far offset the shared speed limit of 1.7 MHz? And when I really want a challenge, what could be more challenging than a couple of rounds of "one on one" with my sons or head to head combat in a simulation of a WW II fighter dogfight? (So what if he wins, he cheats and doesn't leave his territory, I'm the one who STILL can take over his field even though he's there to defend it.)

The point is this, my hobby IS the computer, my record keeping is centered around the computer, and the knowledge that I've gained around my hobby has stood me in good stead in my vocation. If I may paraphrase John Glenn speaking shortly after his tri-orbital flight, "What we have done in the past, and what we have done today are but small building blocks in a very BIG pyramid to come. The pursuit of knowledge and scientific study have always yielded mankind HUGE benefits in the long run."

In the pursuit of that knowledge, my path has crossed yours; I hope that the crossing has been as beneficial to you as it has been to me. If it hadn't been for you, I would still be sitting in front of my 9" B&W Sony, trying to discern a 56 column screen from Super Color Terminal. Indeed, I wouldn't even be out of Videotex. But what about the future? Who will be there to guide those that come after? Who will pass on their knowledge? You must. Because I can't be THERE when someone asks you for assistance. One of your club members told me the other day, that he really felt good when he was able to pass on some pointers that he had gleaned from our sessions together. Which brings me to the point. (Took long enough, eh?) Share your knowledge with us. For instance, in this issue, Rogelia Perea, a Glenside BBS user, relates how he has eliminated an annoying disk drive situation. Be sure to look at the length of his text. It doesn't have to be 4 or 5 or 6, 7, or 8 Kilobytes long. Short and sweet will do just fine. 'Nuff said. And Thanks in advance. Oh, by the way, see page two for submittal info. It'll help if you can follow those guidelines.

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### CoCo-1,3 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-1,3 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-1,3 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 Podraza	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 Schneewess	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-1,3 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-1,3 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-1,3 are two weeks prior to each monthly meeting. Articles submitted after the deadline will appear in the next issue.

### CoCo-1,3 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 Podraza 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 Podraza • Howard Luckey  
• Rogelio Perca • Frank Swygert • Donald Hicks  
• Alfredo Santos • David Barnes

### EDITOR:

David Barnes

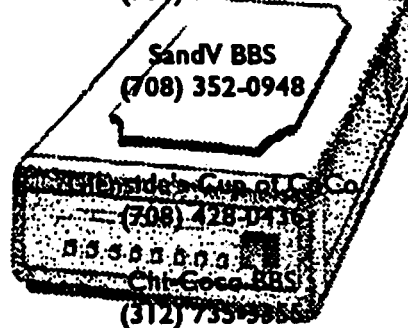
### DESIGN, LAYOUT AND GRAPHICS:

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and  
BARSoft Publishing

Glenside CoCoRama BBS  
(708) 587-9837



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

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**NEXT!!!!**

Since we last published the list of new members, there have been quite a few additions. At this time, please welcome the following new Glenside members.

Robert Gibbons from Lombard, IL  
Ken and Bill Gideon from Schaumburg, IL  
George Levka from Arlington Heights, IL  
Timothy P. Daugard from Shalimar, FL  
David S. Weldond from Orlando, FL  
Daniel E. Carey from Huntsville, AL  
Dean Holder from Wilmington, NC  
Paul K. Wright from Portland, ME  
Carl Sefcik from Redford, MI  
Frank Daniel from Smyrna, GA  
L. E. Padgett from Peachtree City, GA  
Larry Harris from Duluth, GA  
Scott T. Griepentrog from Indianapolis, IN  
Jim Snider from Taylor, MI  
John Daniels from McDonald, TN  
Stanley M. Scott from Stelville, MO  
Alan Dages from Stone Mountain, GA  
David Davidson from Chicago Heights, IL  
Terry Susan Woods from Winter Haven, FL  
John R. Hohn from Tampa, FL  
John Eng from Alberta, Canada  
Venus Dudley from Portland, ME  
Zack C. Sessions from Castle Hayne, NC  
Lee Carol from Rowlett, TX  
Erik Seielstad from Brockport, NY  
John P. & Beatrice Francis, Sr. from Baltimore, MD  
Steven M. Paula Ostrom from Minnetonka, MN  
David J. Zook from Chicago, IL  
Percy Alice Hough from Columbiaville, MI  
Roy Putlack from Lisle, IL  
Charles G. Andrews from Delta Junction, AK  
James A. Moore from Stone Mountain, GA  
David & Carla Gardner from Honolulu, HI  
Wm. Mack & Georgina Haynes from Nice, CA  
Andrew Kenny from Cary, IL  
Hugh C. Mehlenbacher from Grand Marais, MI  
Robert Allen Turner from Double Springs, AL

**Welcome! Welcome one and all. We look forward to hearing from you, trying to answer your questions, and learning from your experiences.**

## Membership Reminder

Look at the address label on this newsletter. If there isn't a "93" following your name on the first line, then your membership will expire on December 31. Why not take time now to renew your membership? If, on the other hand, you do not care to renew, would you drop me a card telling me why not?

Constructive criticism is always welcome and if your decision not to continue as a Glenside member is based in dissatisfaction, I would like to know how we let you down. Thanks.

## Rumors!

Please remember that these are just what they are called, Rumors. When they are fact, we will be sure to tell you. The long awaited game, Contras, is reported to be shipping soon. Simply Better for OS-9 is rumored to be in the hands of a new programmer and could be available by the end of the year. A more plausible date is somewhere in the first half (quarter?) of 1993.

**It has been hinted that Start OS-9 may again be commercially available. Keep asking for it, and be willing to support whoever makes it available. It certainly was worth the price tag the first time around. A 'Fest in Chicago? HMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM. Same time as last year? HMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM. Are you ready for it? Will you support it?**

I hope that the Thanksgiving season has given you opportunity to pause in the ever-spinning pace from day to day and give thanks for what you have been endowed with, be it ever so meagre or bountiful. With the onset of the biggest commercial season of the year, it is not out of place for me to send you greetings of the season, is it? Nor, I trust, to encourage you to spend more time this year in the observance of the origin of the season. With all the demands that this world places on us, we must take the time to remember just what is important. You would be surprised just what a difference five minutes a day of personal quiet and peace can do for the harried soul. I find that I can turn off the radio for a few minutes during my 45-65 minute commute to and from work. Find a quiet place that works for you. Search for that peace. Till next time...

## November Meeting Review

**By Howard Luckey**

**The newsletter was available for distribution.**

There were two important items of discussion: a proposal by Carl Boll for restructuring the club, and election of officers.

Carl presented a proposal for restructuring the club. One of the concerns, related to the size of the club and its national and international membership, is a greater division of labor to carry out club responsibilities so that the president's job can be easier, another one is about possible liabilities of the officer in case something would go wrong. One way to alleviate the latter would be for the club to incorporate either as a not for profit corporation, a nonprofit corporation or a corporation. It was suggested that the board should meet, study the issue and make a recommendation to the membership.

There ensued a vigorous discussion of the proposal and somebody suggested that a copy be put on the BBS's for a period of at least two weeks so as to get as much feedback as possible (Later this was a part of a motion from the floor and it passed.).

There was a motion to add another office of vice-president (our third VP,) the motion was seconded and after discussion we voted first on a motion to suspend the rules to allow a vote on the motion to add a VP and after that passed we voted on the original motion and it passed.

## November Meeting Review

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Then there was a motion to vote on the proposal, after discussion, at the December meeting. Added to this motion was Mark's suggestion to post the proposal on the BBS's and to also do a mailing. After discussion the motion passed. There was one nay vote.

Next was the election of officers. First was the vote for president. There were two nominees: Tony Podraza, incumbent, and Carl Boll. At this time Carl declined and Tony was elected by acclamation. Second was the vote for three VPs. The nominees were Gene Brooks, incumbent, Ken Gideon, Eddie Kuns, Brian Schubring, and Carl Boll, incumbent. Elected were Gene Brooks, Eddie Kuns, and Carl Boll. Third was the vote for treasurer and there were three nominees: George Schneeweiss, incumbent, Bob Bruhl, and Mike Knudsen. George was elected. Lastly was election of secretary and the nominee was Howard Luckey. He was elected.

Congratulations to all of the officers. May your terms be very successful for you and for the club.

### THE DEMO

After all of that there was a little time for a demo, and Howard was scheduled to demo Simply Better the word processor that runs under RS basic. He had some trouble getting it started and because time was so short we decided to do the demo at the next meeting.

## History Of The CoCo

By Alfredo Santos

*This is the third 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 THIRD YEAR (July '82 - June '83)

Despite rumors of its demise, the COCO celebrated its second birthday in fine health. With year 1 shrouded in mystery, and year 2 producing tons of information and software, what could we expect from year three??? ARCADE GAMES and HARDWARE!

First shown at the West Coast Computer Fair in February, George Associates' CoCo CP/M expansion unit hit the market in July. Although it looked impressive, who was going to drop \$1200.00 to upgrade a CoCo? Did anyone out there buy one of these??

In "the best get better" department, The Micro Works unveiled its disk based editor/assembler, MACRO-80C.

Tony Distefano's first COLOR CLINIC column in 68 MICRO explained why some CoCo's would not accept the double-speed poke, and DONALD J. SOMMER of Seattle, WA. details the steps required to upgrade a pre E-board CoCo to 64K.

CCN, in July, continued putting more emphasis on FLEX, OS-9, and other CoCo operating systems but, features DARREL WRIGHT's utility to convert Telewriter text files from binary to ASCII and vice-versa, and some pictures taken at a Cincinnati TRS-80 users meeting.

## Great Stuff for your OS-9 System

We've been in the software business for over 10 years—and we've developed lots of excellent software over that time. We don't have room in this space to tell you everything, but we'd love to send you our catalogue listing all of our products. Great stuff like our *Ved* text editor, *Vprint* text formatter, *Cribbage*, *Magazine Index System*, *Ultra Label Maker*, *Vmail*, and more.

So you only get what you need, please specify OS-9 or OS9/68000!

### Bob van der Poel Software

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US 83853

PO Box 57  
Wynndel, BC  
Canada V0B 2N0

Phone (604)-866-5772

Plans are disclosed to offer CCN ON TAPE and winners of the first CCN programming contest are announced. They were: J. VENTLING for the GEORGE C. SCOTT portrait, GARRY HOWARD for the WILLIAM TELL OVERTURE, and REGINA's COOKIE FILE program.

The RAINBOW's first anniversary issue was a beauty!! Featuring its first full-color cover and typeset copy throughout, it's hard to believe that it started out in a drugstore a year ago. Rumors circulate that the 4K CoCo will be discontinued and a 64K version introduced in the near future.

The first CoCo hardware to reach the market in August includes F&D Associates' EPROM board, COLOR PORT from MAPLE LEAF SYSTEMS, BOTEK INSTRUMENTS' serial to parallel printer interface, plus SHAWN McCLENAHAN's article describing the installation of a Mod III keyboard (with numeric keypad) in the CoCo. 80 MICRO runs its first annual READER's POLL to find out the most popular software for Radio Shack machines.

With Frank Hogg writing the editorial in the August issue of CCN, things were really getting out of hand with all the FLEX material. There was the editorial, plus several full-page ads for his products, and of course his 64K KORNER. It seemed like CCN had turned into the Frank Hogg magazine.

Although a bit less technically oriented, if the Rainbow continues growing at its present rate, it will soon surpass CCN in size.

With the addition of his second BBS, Bob Rosen's Spectrum Projects was growing too. His ads now took up three full pages, and in August, include Eigen's one key entry utility, BASICAID. Both Basic Aid and another new single key entry utility, PLATINUM

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## History Of The CoCo

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SOFTWARE's PLATINUM WORKSAVER offered much more the first such utility, SSM's Master Control.

MED SYSTEM started marketing its software.

The "eyes" have it!! In September Tony Distefano's Color Clinic column featured the eye-saving hardware mod which enabled the CoCo to display green characters on a black screen. Whenever I sit at my machine for hours on end (usually every night), I (eye) thank TONY "D".

MOTOROLA released a "souped-up" MC6883 which supposedly allows double-speed operation in the ALL RAM (64K) mode but, it is never marketed.

New arrivals for the CoCo include Star-Kits' STAR-DOS, THE TOOLKIT from ARZIN, joysticks from ENDICOTT, Spectrum Projects' "gloom" stick, GAME WRITER from WASHINGTON COMPUTER SERVICES (a \$129.00 program that helps write "super-action video games"), and software from a new company called ANTICO.

September's CCN issue (no date on the cover) featured a look at the CoCo's INTERPRET routine in Andy Phelps' Comment Corner column, CCXREF from MIKE DONAHUE, a fine debugging utility used to locate variables in BASIC programs, and the first review of Eigen's THE STRIPPER, a utility which removes spaces, comments and "packs" program lines.

The RAINBOW's 106 page September issue made it the BIGGEST CoCo magazine in publication. Besides being their first official "theme" issue (education), and containing a readers survey, the RAINBOW's cover mentions support for the TDP 100 computer.

The TDP was Tandy's first venture at marketing outside Radio Shack stores. The TDP 100, which was really a CoCo in a white case, was marketed by RCA distributors and would later be found to contain the F-board which would soon start showing up in the CoCo. Speculation was that the TDP venture would be successful. (I wonder if STEVE ODNEAL made that speculation)

In October, 68 MICRO went on line with its BBS, and Andy Phelps' last Comment Corner appears in CCN. This, for me, marks the beginning of the end of CCN.

The RAINBOW, meanwhile, started CHARLIE's MACHINE, a column written by Charles J. Roslund, author of WAR KINGS.

### DRAGON LTD.

This British CoCo-clone, had a similar software design but, featured some major hardware differences like full-travel keyboard, parallel printer port, and RGB monitor output. An American version would be available sometime in 1983.

Messages on COMPUSERVE's COLOR SIG rumored that a new CoCo magazine would debut in March of 1983, MSB (the folks who market the KITSZ lowerkit) had folded, and Radio Shack would market a 64K upgrade and a MULTI-PAK INTERFACE in early 1983. BASIC TECHNOLOGY markets the first CoCo EXPANSION INTERFACE plus, a REAL TIME CLOCK/CALENDAR.

Just in time for Christmas, November releases include COLOR LOGO and a 4 color GRAPHICS PRINTER from Radio Shack, Frank Hogg's 5 slot expansion called THE SOLUTION, and

TELEWRITER/64. Other marketings are DUNKEY MUNKEY from INTELLECTRONICS, and MONKEY KONG by KEN KALISH of MED SYSTEM SOFTWARE. Although these are the first two "monkey" programs, the best is yet to come!

A premature ad for the SAMPO COLOR COMPUTER ran in BYTE magazine but, this CoCo clone never saw the light of day (in this country) although, a year later, I was told the machine was sold in Korea. With various disk systems available for the CoCo, the poor timing award went to JPC PRODUCTS CO. for their high-speed cassette system. I wonder how many systems were sold at the \$129.95 price?

Lonnie Falk announced plans for a big CoCo show for the Spring of 1983 in Chicago. It will be called RAINBOWFEST! Lonnie also hints at an "electronic" RAINBOW in conjunction with Bob Rosen's BBS. November also gave us the first look inside the new TDP-100 computer, and the first review of Eigen's disk COLORCOM/E.

When I subscribed to CCN, it contained a lot of "basic" CoCo information but, with the magazine stalled at the 90-100 page size and Bill Sias devoting more ad and column space to FLEX, OS-9, GIMIX, and ham radio operations, I felt that the "basic" information was being squeezed out. The opening item in the December issue was a tour through the GIMIX plant! Gimmie a break!!!

The last straw, for me, was the review for Radio Shack's POLARIS ROM-PAK. Now, don't get me wrong, I thought POLARIS was one of Radio Shack's best games but, why a SECOND review? The first review appeared in the May/June issue. Maybe Bill Sias was trying to get on Tandy's good side??? He sure wasn't doing anything for me!!

RAINBOW announced support for the DRAGON-32 in its December issue, its first "paperback" type square binding.

TOM MIX's king of the Donkey clones, DONKEY KING, is released just in time for Christmas. This was the best game ever done for the CoCo. Thanks TOM!!!!

### DON'T BUG ME!

1982 closed out with a tip of my hat to the very inventive folks in Natick, Massachusetts for coming up with a very imaginative idea..... DEBUG, as it was called, worked like this: You send these folks a program you wrote that may have bugs. If the program is interesting enough, they send your program to "people who like to stomp on other people's bugs". The understanding being that the program is sold, if debugged, and everybody shares in the profits! The ad asks for \$5.00 to accompany your "bugged" program, or \$9.00 for a cassette containing 20 or so "bugged" programs from other people, or \$12.00 for both. The thought of "buying" someone else's problems is a bit too bizarre, even for me.

JAKE COMMANDER, in January, predicted the arrival, early this year, of the British made DRAGON computer.

CCN started 1983 with a new cosmetic look including a new cover ("The Color Computer Magazine for 6809 users") and newspaper quality pages. I liked the old "feel" better.

Peter Stark, one of the pioneer CoCo supporters, started including little "tips" in his ads. Peter is a real innovator both in software and advertising.

Cosmetic changes also appeared in the RAINBOW's January



# CoCo III Graphics to burn your GIME

## Revelation!

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

- 19 Moore Keys
- Disk Access of Banks
- 640 x 384 and 320 x 256 graphics
- 80 x 88 and 48 x 88 text
- One-Key toggling of Fast and slow processor modes.
- On-screen display of keyboard status, current operations and current speed setting.

Now, Revelation is available for all DOS.

000

## Slake Freeman and the Invasion of the Mutant Linoleum Miners

Monsters, puzzles, shikahwa, Goblins, Surprised Women and God populate this adventure story.

## Consignment sales

Contact me about selling your personal software and hardware OR your original software.

many two ways of integrated graphics. Full graphics representation of this beautiful adventure complete with solid text. Interactive normally present only in dedicated text-adventure systems to create a magical universe and entirely unlike the Los Angeles State of 1982. \$12.95.

000

## BlackJack III

Digitized sound and the best playing card graphics of any program for the CoCo III make this an absolute must-have for card graphics or gaming enthusiasts. The dealer actually talks to you during the game! \$12.95.

000

## Club Prices

All prices reflect club discounts:  
Revelation \$12.95  
Slake Freeman L.M.L.M. \$29.95  
BlackJack III \$12.95  
I also accept better purchase of software and hardware make me no offer!

## To Order:

Send Check or Money Order to:  
Robert G. Freeman  
1001 Oak Park Way  
Gaines, FL 32608

WILLIAM BARDEN JR., and Dennis Kitsz.

March's "nuclear" issue featured the first RAINBOW SCOREBOARD, an ad for ELITE SOFTWARE's ZAKSUND (the first ZAXXON-clone), plus the Mark Data keyboard.

In late April of 1983 users from across the United States and Canada (not to mention Great Britain, Germany, Hawaii, and the Yukon) descend upon Chicago to take part in the first ever CoCo convention, RAINBOWFEST! Estimated attendance for this 3 day bash is placed at around 10,000. On the sales floor, J&M unveils its JFD disk controller, while seminars are held by Don Inman, Fred Scerbo, Tom Nelson, Steve Bjork, and Charles Roslund, to name just a few. Other April showers include the cross reference index disassembly of 1.1 ROM, the first ad for Computerware's 64K SCREEN EXPANDER, word that Bob Rosen is now operating 3 bulletin boards, Jake Commander's first installment of the most ambitious commenting of the BASIC ROM ever, and the appearance of Datasoft's first ZAXXON ads.

May brings flowers and a cross reference index disassembly of the 1.0 EXTENDED BASIC ROM, plus a name change for MED SYSTEMS to SCREEN PLAY. What's in a name?

The Comment Corner column returns to CCN in June, authored by ANDREW HUBBELL, and a list of differences for BASIC 1.2, EXTENDED BASIC 1.1, and DISK BASIC 1.1.

CoCo's third year ends with two new releases. First: the long awaited and much rumored "new" Color Computer, the Radio Shack MC-10. Second: another Color Computer magazine. HOT COCO, a Wayne Green publication, debuted without so much as a word of credit to Dave Lagerquist for coining the name "CoCo" for the Color Computer.....oh well, we will remember!

## History Of The CoCo

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"ADVENTURE" issue with the first FRED CRAWFORD cover artwork! Fred brings a NORMAN ROCKWELL "feel" to the pages of the RAINBOW and I, for one, look forward to many more of FRED's works of art! This issue probably had the first centerfold ever in a computer magazine.

Other January events include MICRONIX SYSTEMS marketing the first keyboard for the CoCo, Dennis Lewandowski writes the RAINBOW CHECK, and dates are confirmed for the first RAINBOWFEST. It will be held in Chicago, April 22-24th.

In February, 68 MICRO eludes to the fact that they may be starting a CoCo publication to meet the explosion of "new" subscribers. Absent, for the first time since I have been reading 68 MICRO, are The Micro Works ads. Something was happening?

Most of the other February news included reports of CoCo products on display at last fall's COMDEX show in Las Vegas. The products included AMDEK's new 3 inch disk drives, WICO's joysticks and trackball, and the long awaited ZAXXON from DATASOFT.

The rumors were obviously true because, in March, the third CoCo magazine hit the news stands. Edited by KERRY LEICHTMAN, THE COLOR COMPUTER MAGAZINE (TCCM for short) premiered with articles from Jake Commander, Bob Rosen,

**Announcing**

## 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 v 2.

**\$20**

Dual hi-res joystick adapter (RSColorware)	\$40
Hi & Lo-res joystick adapter	\$27
HAWKsoft keyboard extension cable	\$25
Demination (Rish" like wargame)	\$18
MyDOS full featured DOS extension	\$15

**Hawksoft**

PO Box 7112  
Eglin, FL 32121-7112  
(768) 743-3084 even & ends

US and CDN S&H always included. Terms: MO, check, or C.O.D.

## F.Y.I

Do you know just how fast (or slow) your modem can be?

At 300 baud a 1 megabyte file takes 9 hours and 4 minutes to download!

At 1200 baud it takes 2 hours and 16 minutes.

At 2400 baud it takes 1 hour and 8 minutes.

At 9600 baud it takes 17 minutes.

## No Bones About It!

It has been said that there four bones in the skeleton of any organization.

The first bones are the wishbones. They are the ones who spend all their time wishing that someone else would do all the work.

The next ones are the jawbones. They do all the talking but little of anything else.

The third set of bones are the knucklebones. They are the ones who knock everything that everybody else tries to do.

Finally, there are the backbones. They are the ones who get the load and do the work.

Recognize anybody?

## Chips Ahoy!

Just a short note for those of you who are Glenside Members... Most of you have heard that the Hitachi 63B09E is a pin-for-pin replacement for the 68B09E supplied as the original CPU for your CoCo. You have also heard of pricing in the 12-15 dollar range. "Well looky here what I brought you!"

The Club has been able to procure Hitachi 63B09E CPU's at what I think is a fairly reasonable price (though I've been wrong before) and would like to pass that price on to you. Member cost is \$8.05 plus shipping (about a buck and a half). Get George Schneeweiss's new address from page two and contact him if you want any.

For multiple chips, add about 35 cents per chip for additional postage. The chips will be sent in protective tubes, and they DO RUN COOLER!!!! Not to mention the added advantages of the "native mode" type patches to OS-9.

I trust that you will be able to take advantage of this, another way in which we're trying to pass on POWER BUYING!!! After all, if we have the POWER!!!, we ought to spread it around, right?

## Head Bang Bug

By Rogelio Perea

This is just a description of a way I found out which works to keep the heads of the floppy drives from "banging" whenever I restart the CoCo III after using OS-9.

As you know, the Tandy Disk Controller has a nasty habit of "loosing its heads", and when accessed to perform a DIR or a LCAD, the heads, more often than not, bang themselves at the first access. After that, it's smooth sailing for the system (provided you don't press RESET on the back of the CoCo).

One of the ways to get around this problem is a simple couple of POKes as described on a text file found on Compuserve (pokes performed after a power up or a cold reset), and the other way is to perform a DIR on every drive of your system before turning off the CoCo (these two methods have worked with my system).

The two methods described work for RS-DOS, and I'm sure that almost every CoConut has encountered this problem and one way or another has resolved it.

Now, when it comes to OS-9, I always had the worry of continuous head banging after exiting OS-9 and using RS-DOS. At this time I have not seen any patch, hack or document describing how to fix this problem with OS-9. So, I once thought.... "maybe by doing a DIR on both drives this problem will not be present, just as I do with RS-DOS...."; then, I wrote a simple "batch" file that I use before resetting the CoCo:

```
chd /d0
chx /d0/cmds
dir /d0
dir /d1
echo Heads parked
```

My system is configured to use 2-40 trk drives at 6ms stepping rate in OS-9 Level II, and as 4 - single sided 35 trk drives in RS-DOS. The routine has worked so far without a hitch.

I'd like to have feedback on this. I'm pretty sure there is a more technical way to get around this, and maybe I'm just being lucky with the solution I came up with.

If any CoConut out there in Chicago knows how to, or can direct me in finding the documentation on Compuserve or Delphi, please let me know. I'll be visiting Cup of CoCo pretty often (mostly weekends).

*(Rogelio Perea works at a radio station in Nogales Sonora, Mexico and is a recent user of the various Glenside BBS'.)*

## Opps...

Seems that we erroneously reported, a while back, that CoCoPRO! was publishing a new document, i.e., the Uptime Newsletter. The publication is actually the work of JWT Enterprises in Youngstown, OH. It is a fact that CoCoPRO! is working with JWT, and their combined efforts have produced a fine-looking, long-lasting (as in heavy stock paper) newsletter. Please accept our apologies for this error. You can contact JWT Enterprises at 5755 Lockwood Blvd., Youngstown, OH., 44512.

## Letters To The CoCo~123

From  
George Levka  
1209 W. Hawthorne St.  
Arlington Heights, Il. 60005

Tony,

I just read your interview in the November Rainbow, and am interested in joining your group. I have a CoCo-3 with a disk drive and have lots of programs which I purchased through ads in the Rainbow, including OS-9, which I have not yet worked with. I am enclosing a \$12.00 check for the first year membership. By the way, on looking at your last name, is this a Czech name?

Sincerely,  
George

James (Jim) A. Moore  
1150 Rankin St. Bld. O Apt. #15  
Stone Mountain, Georgia 30083

Mr. Podraza,

I won, as a prize at the Atlanta CocoFest, a 1993 membership in the Glenside Color Computer Club. I was given a membership card which I was told to mail to the Glenside Club to have it validated. I think I should keep the card, as it is the membership card and it already has your signature as president on it. If it is necessary for me to send it to you, I will of course do so. Until I hear from you regarding the the necessity of sending it to you, I will keep it. I am looking forward to being a member and I wonder if this membership entitles me to receive a newsletter.

Until I hear from you, Thank you for this prize.

Tony,

I sat down this morning and hooked up the CoCo 2 with the J&M Controller and my printer and I was very happy with the results. The J&M works pretty well with the CoCo 2. For the past 5 years I've been trying to remember what I did with a Disk Drive Diagnostic Program that I used to have. Now I remember, It's part of the J&M hardware. What a surprise finding it after all these years. The Parallel port on the J&M works really well with my printer. I hope I did this right.

I already had the radio station program written on my CoCo 3 using the mini controller. I formatted a new disk using the J&M which will allow you to specify 35 or 40 track or "R" for Radio

Shack compatibility. I used the "R". Then I backed up my Radio station program onto the J&M formatted disk, using the mini controller. I then installed the J&M controller and loaded the program from the J&M formatted disk and re-saved it. This is the

end result. I have the radio station program saved using the J&M controller on a J&M formatted disk.

Are you confused yet?....Shall I give you the Disneyland Theory?.....No!, it would only make comprehension worse.

Anyway the program runs with the J&M without compatibility problems. Now for my 20 questions:

I am looking for help with a program in RS basic. I have written a direct access file program.....ie....OPEN "D",#1,"file name",255.

The first problem I am having is deleting data in the file. Is it possible to flag this data so it is no longer read and later erased completely using another program? The second problem is shuffling the data so it doesn't always come up in the same order. I realize that shuffling the data would likely require reading a disk and writing to another at the same time. This is not a problem because I have a CoCo 3 w/ 2 floppies and all the other CoCo toys.

These are my most serious questions but while I'm at it, does anyone know of a print driver that will allow the use of MAX 10 with my DMP 110 printer. The DMP 110 works well with CoCo MAXIII, but MAX 10 sends a CHR\$(16) that the DMP 110 doesn't understand.

Rick Dennis  
RR. 1, Box 183-I  
Meredosia, Il 62665

*In the record format - somehow flag a deleted record so next time you read it, you can tell that this record is deleted - and ignore it. Eg - use one byte as a flag.*

*Then write a second program which will read through this file, writing out all non-selected records to a new file. When done, delete the old file and rename the new one to the old name. Viola - compressed file with deleted records removed.*

*For randomizing - remember that you can go to any record you want, in any order, when you open that file "D" direct. Just put the data into a file in any order and throw a random number - go to that record. ie. Don't re-order the file. Just read it in random order!*

Percy Hough writes: Saw your interview in the November '92 issue of The Rainbow magazine. Please sign me up for membership.

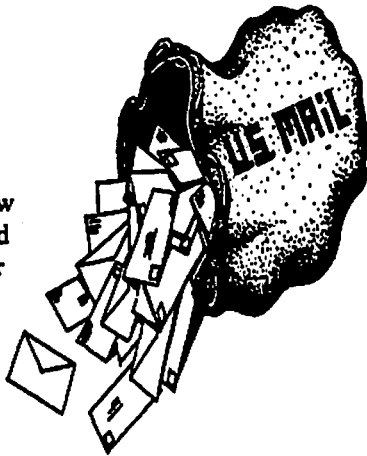
PERCY HOUGH  
258 DOCKHAM RD  
COLUMBIAVILLE MI 48421-9747

Dave Zook writes: I've got a CoCo 1 and CoCo 3. Also I'm an OS-9 user.

DAVID J ZOOK  
6633 N SHERIDAN RD  
CHICAGO IL 60626-4647 312-262-7744

L.T. Day writes: I'm trying to find a copy of Start OS-9 book and disk by Paul Ward. I've tried all of the advertisers in The Rainbow. If your club knows of anyone with a copy for sale, would you give them my name and address. Also, please send me information on joining your club.

L.T. Day  
PO BOX 4177  
ZANESVILLE OH 43702





## Letters To The CoCo-123

Continued From Page 8

Dave Garner writes: Just received the November issue of The Rainbow and noticed your very interesting interview. As I am going to keep up with the happenings of the CoCo, Disk BASIC and especially OS-9, I would like very much to become a member of the Glenside Color Computer Club and receive your newsletter, the CoCo-123. Since I live in Hawaii, trying to keep updated with the CoCo is practically nil, so I have to depend on the Mainland for all my info. Please inform me of back issue availability of CoCo-123.

DAVID GARNER  
1201 WILDER AVE. APT 1503  
HONOLULU HI 96822

Steve Ostrom writes: I read about your computer club in the November '92 issue of The Rainbow. You folks seem to be doing a good job for the CoCo community. Please keep up the good work. Enclosed is my check!

STEVE OSTROM  
12612 CEDAR LAKE RD  
MINNETONKA MN 55305-3944

Chuck Andrews writes: I was at the point of scrapping my CoCo's and entering into the MS-DOS environment until I saw the interview with your club president in the November issue of The Rainbow. I have always felt somewhat an orphan living in a rural area of Alaska about 100 miles from the nearest urban area and being the only CoCo user in this vicinity. The Rainbow and its advertisers both dwindling have been my only contact with the outside. Needless to say it rekindled my desires to keep my current systems going as long as possible. I will be logging onto your BBS in the near future. Thanks for opening your membership to the world.

CHARLES ANDREWS  
5464 DICKSON RD HC 60 BOX 3690  
DELTA JUNCTION AK 99737-9455 907-895-4041

Mack Haynes writes: The interview in the November issue of The Rainbow is the first I have heard of the Glenside CoCo Club. It is really great to know (oops) that there are people like you working to keep our CoCo alive and well. All of the CoCo users I know of in our county have gone to MS-DOS. However, I still have a lot to learn about my CoCo am I'm planning on staying with it. Thanks!

MACK HAYNES  
3185 BUCKINGHAM WAY  
NICE CA 95464

[That (oops), Mack says, is because he works on an ambulance and got a call in the middle of his letter!]

Ibrahim Picard writes: I learned about the Glenside Color Computer Club in the CoCo Friends Disk Magazine. Although I am a long distance from Illinois, I am still interested in joining your club. I have two CoCo-3s (one for backup) that I want to use for amateur Radio Applications. It is too bad Radio Shack dumped another outstanding computer line. I also have a TRS-80 Model 4D. The hardware is disappearing fast, so it is good that there are still magazines and clubs to support the machine. Please tell me

what I must do to join your club. I would also appreciate info on any CoCo bulletin Boards in your area. Thanks for your help.

IBRAHIM G PICARD  
501 HUDSON DRIVE  
WESTLAKE LA 70669

*Ibrahim, you might wish to contact Tony Sokol, W9JXN, about the CoCo items he is selling. He ran his CoCo in his HAM Shack, running WEFAX, RTTY and the likes. Look for his ad in this newsletter.*

Christine Megens writes: After reading in THE RAINBOW that "CoCo-ists" from out of your area can be members of Glenside, I decided I would be happy to join, if I may.

My setup includes a 64K CoCo 2, a 512K CoCo 3, Magnavox RGB monitor, a pair of 5 1/4" DSDD floppy drives, and a DMP105 printer. A few weeks ago I bought OS-9 and Multi-Vue, and wish I had made the step years ago. It's Marvellous! As you can see, I don't have a modem (accessing BBS' is just too costly in telephone charges, especially to the U.S.) and so no access to the public domain software that exists for OS-9. What I have now is rudimentary. I have tried to contact the OS-9 Users Group in Florida, but received my letter back marked 'moved - unknown'. Do you know if the group still exists and where they moved to? I am very glad that there are still CoCo clubs around. There are none in our area. I accidentally came across one "CoCo-ists" fairly close by, and we're helping each other out every time we are stumped by something regarding OS-9. I really like more outside information besides my RAINBOW.

CHRISTINE MEGENS  
RR # 1 FERGUS  
ONT N1M 2W3 CANADA

Luis E. Tanón Garcia  
Calle #2, M-12  
Dos Rios, Bayamon  
Puerto Rico, 00956-61

To Tony Podraza, President of the Glenside CoCo Club.

Hi, I am Luis E. Tanón Garcia from Puerto Rico, and since the CoCo club of P.R. seems to have vanished, I asked Rick Cooper, from Ricks Computer enterprise, if he knew of a CoCo Club in the United States, that accepted members from outside the United States. He told me that perhaps you could help me, and directed me to issue #4 of CFDM where I found your address.

I own a 512K CoCo3, FD-502 drive, CM-8 monitor, Citizen 120D printer, Hayes 1200 Smartmodem, CoCoPro! RS232 pack, and over 70 disks filled with RS-DOS and OS-9 programs.

I would really like to become a part of your Club because I'm really a CoConut. I hope to hear from you very soon.

Sincerely,

Luis E. Tanón

## Rumours

By Frank Swygert

Sometime ago, the CoCo community was teased with the possibility of a comprehensive "History of the CoCo". Unfortunately, that attempt fell through the ice and the author has moved on to another operating environment. IBM. No, it's not what you think. "I Bought a Mac." The writer STILL has his intelligence. (Remember, INTEL is less than half of intelligence.) Anyway...

There is reported to be in the pipeline, another comprehensive history. This work is targeted to be released in the middle of 1993. There will be 80-100 pages of 4-1/4 by 5-1/2 dimension printed in ten point pitch, for those of you who understand such things. Also listed will be some of the most current vendors, clubs, and the like. Pricing is targeted at the \$25 range for a soft covered version. If offered, hard bound versions would be \$12-\$18 additional (whewee! I'm glad that I'm not in the printing/marketing business.) And here is a GLENSIDE exclusive, the author is looking for artwork for the cover.

For more information as it is released, keep your eyes peeled on the CoCo-123. If you might be interested in collaborating on the cover with the author, contact Frank Swygert of Farna Systems.

*See his add below!*

### 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/QRG, \$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)**

## Product Review

Alright! Alright! Alright! I've become addicted to a very strong habit. It really is hard to break an addictive habit, did you know that? No, I'm not making reference to any chemical imbalance that I may be subjecting my body to, though lack of sleep could count in that area.

What I am referring to is the pack of games with which I returned from the Atlanta CoCoFEST! The Variations of Solitaire by Colorsystems is truly captivating. So easy and honey & bee-like are they to play that my wife, who has put up with her computer-widow role in our marriage for ten years, is finally getting back at me by not letting me at the keyboard because SHE WANTS TO PLAY!!!! And is she mad at me for showing her the game. Now get this straight....in ten years, she has spent maybe 2-3 hours cumulatively at the keyboard. In less than six weeks, she has spent 4-6 hours at the keyboard trying to win more than the average of 13% of her games. (Sorry! Game Over!!)

Setting up is easy. I'm not using the Multi-View system, so all I did was to copy all the game files into the commands directory and type "solitaire". The setup program comes up first and I have to think real hard to figure out that I have an RGB monitor; am using a HI-RES joystick interface; and am accessing the right joystick port. Then I have to choose which variation I want to play. I have a choice of five variations; Pyramid, Klondike (popular or Las Vegas style), Spider, Poker, and Canfield. Each has an assist mode; some have an animate mode where the cards travel across the screen to the locations that you move them; each can be 'mouse'd' or played from the keyboard (the mouse is more convenient and quicker in movement); and all of them are maddeningly like the true randomness of regular card decks when shuffled. Zack, I take my hat off to you. A very good job of programming.

## Maze In Color

By Donald Hicks

To those of you who were not in Atlanta, I'd like to extend a cheery hello and say that I regret not having met you there. When I wandered past your booth, I noticed that your members who were there had Brian White's wonderful screen saver program (for OS-9, named "maze") running on one of the monitors. I just happened to remark that it looked much better in color - rather than the monochrome version which Brian had released and was being displayed.

That idle remark was prompted by my belief that it was general knowledge that the program can be enjoyed in color with very simple changes. I had discovered quite some time back that it was a trivial exercise to modify the executable module with dEd, Zapper or any other disk file editor to do so. I had passed the information along to all the local OS-9 folks here in the Mobile area and requested that it be uploaded to the major on-line services (I don't do any telecommunications, but can be reached through Ed Jones at his CoCo-Plus BBS; RiBBS FIDO Net node 1:3625/461.0 at 205-341-1616).

To make an already overlong story short, Tony Podraza suggested that I submit a short article to CoCo-123 explaining the modifications. I accepted, and here it is:

The best way to introduce these few simple changes is with

## Forsale / Wanted

### FOR SALE

512K COCO3--\$75    Magnavox Professional RGB Moni-  
tor--\$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,  
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also 3 new ribbons--\$130    2400 Baud Compudynes  
Modem  
Call Len Zielinski at 708-967-8791 Bet. 9AM & 9PM

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TRS-80 MODEL 16.B W/15 MEG DISK SYSTEM FOR 8" DISK.  
(2) TRS-80 DWP 510 PRINTER; (1) DAISY WHEEL PRINTR  
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MEG DISK SYSTEM; (1) TRS-80 15 MEG DISK SYSTEM; (4)  
DISK SYSTEMS 3 SLOTS, 2 DRV; (4) TRS-80 MDL II  
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CALL PHIL OR JIM CLARK 8 AM -5 PM WEEK DAYS OR 9  
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### 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  
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Plotter Repl Pen Set; (1) Wico Trackball;  
(1) TS-2040 Printer; (1) TS-2068/1520 Plotter Intfc;  
(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 Intfc); (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 Ramdisk; 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 Dian  
ecterm-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

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128K QL W/ MINERVA 1.66 ROM and ENHANCED KEY-  
BOARD \$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 MANNES-  
MANN  
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 11

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 .520; 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 Quicksilver 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

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COLOR COMPUTER 3 - DISK DRIVE CM-8 COLOR MONI-  
TOR  
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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 controllers; 2 eeprom burners; MPI (PAL); SOFT CASE  
FOR COCO; MODEM I; LIGHT CONTROLLER; 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-  
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2 DISK DRS. AND ALL SOFTWARE TO HERE!!! \$400.00  
TAKE ALL

NEXT : YAESU FT 101 EX TRANS/CEVER \$250.00;  
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CALL BARRY AT 708-742-7774  
ALSO: COCO II 64K; DISK DR. 0 CONTROLLER;  
CASS.&CABLES;  
2 JOYSTICKS; MPI; ALL \$75.00  
CALL BARRY AT 708-742-7775

## Maze In Color

Continued From Page 10

a disk editor (or zapper) program such as 'dEd'. In order to change  
the color in which the path is traced to green and the color of the  
failed retrace path to red (on an RGB monitor), change:

Byte at	offset	from	to
	\$215	\$07	\$20
	\$228	\$3F	\$12

and verify the CRC from ED05FB to 2C3A77.

I chose those colors for their "stop" and "go" connotation  
only, so if you don't care for them; choose your own and set the  
new byte to their value. One of your members (who uses a  
monochrome monitor) wanted to improve his contrast with this  
program. He would want to select values to accomplish that.

Those not having, or not being familiar with the use of, a disk  
file editor might prefer to use the following Modpatch script:

```
l maze  
c 215 07 20  
c 228 3F 12  
v
```

instead. Just create a file with those four lines in it, naming it  
'maze.pat' and then enter:

```
load /dd/maze  
modpatch maze.pat
```

and then use the Save command by entering:

```
save /dd/maze maze
```

to restore the file to disk. All of the above assumes that 'maze' is  
located on the disk in your default drive. Otherwise, change '/dd'  
as is appropriate. Modpatch and Save are found in the Develop-  
ment System.

Happy hacking!