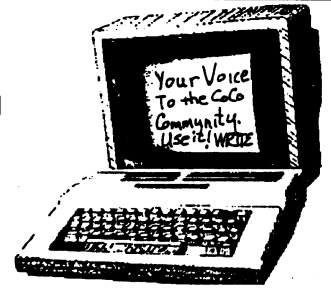


CoCo ~ 123

A GLENSIDE PUBLICATION SINCE 1985



APRIL 1994 ISSUE

VOLUME XIV, NUMBER III

The President's /term

by Brian Schubring

Glenside Color Computer Club

Salutations and Happy Easter to all !
Have you ever thought that there could be a CoCo day, and you could say.... Happy CoCo ! Would be strange but possible. All we'd have to do is get enough people to agree to have that day set aside for us.

The same thing goes for the 'Last Chicago CoCoFest' coming up in May. If we get enough people interested, including Vendors, we can have blast of a time. To the vendors, please send in those registration forms and plan to show your wares. Without you we can't have a fest that BLOWS the DOORS off all previous fests.

Presently we have ²³~~22~~ Vendors (not including Glenside), who have registered. Tony will have that info in his article.

One thing that has recently been brought to my attention is that membership renewals have been a bit slow in showing up at George's mailbox. I hope this won't be the start of a trend. There are a lot of people out there who have the talent to pave the way for an interesting year but we all need to stay in contact to make it so. Your Glenside membership is one way of keeping the channel open.

Well off the soapbox and onto new things. Let's see. April is here, (all too soon), and my project is starting to take shape. What Project you ask? Well how about a repacking kit for the CoCo to install it into a PC case without using a multi-pak interface.

The boards will let you install both the disk drive and a hard drive above the coco, and have a parallel printer port, with a satellite board with 4 RS-232 ports.

This project I hope will be ready for the May 21 & 22 Last Annual Chicago CoCoFest held in Elgin, for display and possible orders, (if all works all right).

Speaking of the Fest, lets all get our tickets early and make it the best one yet! For further info call Tony Podraza or myself.

And here is something entirely different. A contest for everyone to enter!!! What's the prize you ask? How about a FREE 1 YEAR MEMBERSHIP TO the Glenside Color Computer Club!!!

Here's how it works. Write a short essay (yes, a term paper of sorts), to this question. "Why do we support the CoCo." That's all there is to it.

The contest will run through July 4th, and any entries received may be printed in the 'CoCo 123' newsletter. Please keep the entries to 2 pages. Let's see, any other news? Oh ya, Please have a good and safe Easter. I want to see you all at the CoCoFEST!

Until next Time..... I salute.

INSIDE THIS ISSUE

The President's /term	1	How Large???	5
CoCo~123 Information	2	The CoCo, RS-232, & You	6
CoCo~123 Contributions	2	Quick & Dirty	7
Future Meeting Dates	2	Words to Ponder	7
Contributors to this Issue	2	For Sale / Wanted	7
March Meeting Review	3	From the Editor's Desk	8
CoCoFest Update	3	Directions	Back Cover

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 a fee of \$15.00, for January thru December, you can become a GCCC member with full membership privileges. Send your dues to:

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

Here is the list of 1994 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	Brian Schubring	S529-3539	The buck stops here...
Vice-President	Carl Boll	C735-6087	Meeting Planning, etc.
Vice-President	Gene Brooks	S897-9023	" "
Vice-President	Mike Knudsen	S665-1394	" "
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
On AmericaOnline - DWBARNES

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 deadline for the CoCo-1,2,3 is the 15th of each month. 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 Podraza at home 708-428-3576.

Future Meeting Dates

May 12
June 9

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

Contributors to this Issue

- Brian Schubring • Tony Podraza
- J.W. Cross • Tom Schaeffges
- Linda Podraza • Howard Luckey
- David Barnes

EDITOR:

David Barnes

DESIGN, LAYOUT AND GRAPHICS:

BARSoft Publishing

Copyright © 1994 Glenside Color Computer Club of Illinois and BARSoft Publishing

Glenside CoCoRama BBS
(708) 587-9837
9600 BAUD

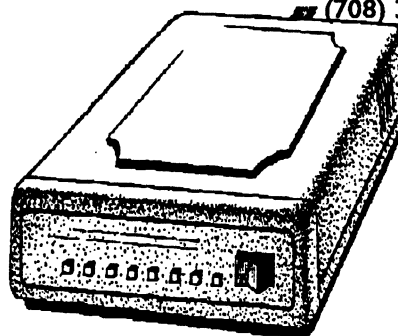
SandV BBS
(708) 352-0948

9600 BAUD

Glenside's Cup of CoCo
2400 BAUD
(708) 428-0436

Chi-Coco BBS
(312) 735-3355

14,400 BAUD



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

March Meeting Review

By Howard Luckey

I came late to the meeting because the task of composing and printing 128 postcards took longer than expected. The postcards were notices and reminders to potential vendors of the upcoming Fest.

When I started taking notes the President was describing a project he is working on. I am not sure of the details but it appears to be a slot pak board that will be an bus extender with an on board parallel port. Apparently Brian is in the process of repackaging the CoCo. I hope he will provide more information about this and maybe write an article for the newsletter.

The president expressed some concern over the fact that the roster is getting smaller, meaning, also, that we are not getting dues in. (Note: A notice has been sent out to members who have not paid their 94 dues.)

The club announced that it has 25 6309 chips for purchase at \$8.00 per chip. A nice price for anyone considering upgrading their CoCo from the 6809.

Another member who wants to do a 2 meg upgrade asked about a good source for the 2 meg simms. It was suggested that he look on page four of the latest CoCo-123 for a place selling the chips at a good price.

At 8:15 the business part of the meeting adjourned.

THE DEMO

Rob Gibbons demoed a program that does a lot a lot of the same stuff for the CoCo that Bob Swoger's program, called Logically, does for the Sinclair computer. Bob had demoed his program last month and that reminded Rob of a similar program he had written for his sister to use on his CoCo. Rob showed a menu that allows the user to select various functions such as copying a file from one disk to another, format a disk, view a file, etc. If you wanted to view or run a file the list of files are presented on the screen and you can use the arrow keys to select it. Rob mentioned that if you do run a program and you exit it you will not go back to his program. To do that, he said, you would have to modify each program you run.

Bob Swoger had high praise for the program and wondered if it wouldn't be a nice program for the club to take over and offer as a service to its members. Rob mentioned that he would have no problem giving it to the club, and that if anyone wanted to, the program could easily be modified to add enhancements since it is written in Basic.

Thank you, Rob, for a nice demo and the offer of your program to the club.

CoCoFest Update

by Tony Podraza

As of this writing, there are twenty-three official exhibitors. They are:

- 1) BARSoft, Dave Barnes
- 2) ColorSystems, Zack Sessions
- 3) DELMAR, Ed Gressick
- 4) Hawksoft, Chris Hawks
- 5) Farna Systems, Frank Swygert
- 6) Crystal Palace BBS, Nelson Howard et al
- 7) DISTO, Tony Distefano
- 8) Budgetware, Brian Kitt
- 9) JWT Enterprises, Jordan Tsvetkoff
- 10) Adventure Survivors, L. E. & Nan Padgett
- 11) The Chicago OS9 User's Group
- 12) The National OS9 User's Group
- 13) StrongWare, John Strong et al
- 14) SBUG, Andre Levalle
- 15) Blackhawk Enterprises, David Graham
- 16) Northern Xposure, Colin McKay et al
- 17) Dirt Cheap Computer Stuff Co., Mark Griffith
- 18) Glenside Color Computer Club of Illinois
- 19) JoTA Productions, Timothy Johns
- 20) Frank Hogg Laboratories, Frank Hogg
- 21) Digigrade Productions, Dave Pellerito
- 22) Ken-Ton Electronics Inc, Joe Scinta
- 23) Sub-Etha Software, Allen Huffman et al.

~~24) CoNect, Rick Uland~~
In addition, there have been verbal intentions of attendance by Kala Software, ██████████, Animajik Productions, DALTRUG, TC^3 Twin Cities Color Computer Club, and one or two others whose names escape me at this time.

And the list continues to grow. Time is getting short! Be sure that you are going to be represented at the greatest CoCo/OS9 event of Spring 1994!

Admission: \$15.00 at the door

2-day pass only; sorry, no 1-day passes

Advance ticket sales: \$10.00 + SASE or

\$10.00 + \$.50 postage & handling

Children 5 and under FREE

Ages 6 - 16 \$5.00 Discount when accompanied

by an adult

Contact: George Schneeweiss, Treasurer

Glenside Color Computer Club

RR#2 Box 67

Forrest, IL 61741-9629

The Glenside Color Computer Club

Presents

Third Annual Last CoCoFest

May 21-22 ~ Holiday Inn, Elgin

HOLIDAY INN ELGIN

345 W. River Road

Elgin, Illinois

(Same great location as last year!)

Overnight room rate: \$52.00 (plus 10% tax)

Call 1-708-695-5000 for reservations.

Be sure to ask for the "Glenside" or
"CoCoFEST!" rate.

YOU MUST REGISTER UNDER COCOFEST TO GET THIS RATE!!!

Admission: \$15.00 at the door 2-day pass only

Advance ticket sales: \$10.00 + SASE or
\$10.00 + \$.50 postage & handling

Contact:

George Schneeweiss

Treasurer Glenside Color Computer Club

RR#2

Box 67

Forrest, IL 61741-9629

How Large???

By JW Cross

How large a HARD DISK DRIVE can a COCO III handle under OS9? To determine the answer, I dug into the OS9 Technical Reference to find the limitations. The following limits were found under the Random Block File Manager (RBFMan) section due to size allocations for specific variable names: Note: All references to OS9 herein refer to OS9 Level II for the CoCo 3.

Path Descriptor variables and size allocations

1. PD.SID One byte for the number of sides (surfaces) (256 max) .
2. PD.CYL Two bytes for the number of cylinders (65536 max) . Multiplying 65536 cylinders times 256 surfaces allows a TOTAL of 16,777,216 tracks, but there are further restrictions below.

Device Description variables (LSN0 & Drive Table) and size allocations

3. DD.TOT Three bytes for the TOTAL number of sectors (16,777,216 max).
4. DD.TKS One byte for the number of sectors/track (256 max).
5. DD.MAP Two bytes for the allocation bit map size (bytes) (65536 max).

Multiplying 65536 map_bytes times 8 bits/byte allows 524,288 TOTAL clusters. Tandy/Microware configured OS9 LII for 1 sector/cluster in several places. Multiplying 256 bytes/sector times 524,288 sectors allows ONLY 134 Megabytes, but fortunately there is a provision for multiple sectors/cluster below.

Definition: A Cluster is the smallest amount of disk space that OS9 can allocate to a file or directory. That is because each bit in the allocation map represents one cluster.

Each RBF_type device contains a DD.BIT value in its Identification Sector (LSN0) that tells OS9 how many sectors to include in a cluster for that media (disk). As stated above, TANDY set the value equal to 1 which is fine for drives with a capacity of <= 134MB. 6. DD.BIT Two bytes (65536 max) for number of sectors/cluster. See further restrictions below.

RBF Read & Write Command System Calls.

7. Regs B & X Three bytes (16,777,216 max) for Logical Sector Numbers.

Multiplying 256 bytes/sector times 16,777,216 LSN's allows 4.295 Gigabytes.

Conclusion: Unmodified OS9 Level II is limited to a maximum of 134 Megabytes/Drive, but by changing DD.BIT's value, that limit can be raised to a maximum of 4.295 Gigabytes/Drive.

The DD.... parameters mentioned are stored in Logical Sector Number 0 (LSN0) of every disk by the FORMAT utility program which gets them from the Path Descriptor PD.... which gets them from the specified Drive Descriptor IT.... (Initialization

Table) Exception: DD.BIT is set to a literal 1 by FORMAT.

I reiterate: as purchased, OS9 level II can handle drives up to 134 MBytes. By making the following small changes, one can raise the limit to 4.295 Gigabytes:

1. DD.BIT must be increased for hard drives larger than 134 MegaBytes.

Too avoid excess allocated but unused space, keep the value of DD.BIT as small as possible. Increase DD.BIT only for drives larger than 134 MBytes.

The OS9 Tech Manual states on Pg. 5-3 that DD.BIT must be an integral power of 2 (i.e. 1,2,4,8,16 etc.). Believe it unless you wish to rewrite RBF!

To determine what value to use for DD.BIT, divide the TOTAL number of sectors on the disk by 524,288 (the MAXIMUM number of clusters possible under OS9). If the answer is not an integral power of 2, use the next higher number that is. Example: Brand X 310 MB hard drive has 1,209,868 TOTAL sectors. $1,209,868 / 524,288 = 2.3$ Since 2.3 is not an integral power of 2, the next higher power of 2 is 4, therefore DD.BIT = 4 (sectors/cluster) for this device. 2. The FORMAT utility needs to be changed to compute DD.BIT as described above. I wrote the required patch; it's available free to anyone interested.

*** CAUTION *** SCSI drives use only the LOGICAL format feature (L option) of the FORMAT utility, DO NOT attempt to perform a HARD or low level format of a SCSI DRIVE with it.

3. If DD.BIT is made greater than 8, then IT.SAS must also be changed, since it needs to be an integral multiple of DD.BIT's value.

IT.SAS is in the drive's Device Descriptor module and is used to temporarily reserve contiguous disk space when creating a file or directory or expanding a file. The value of IT.SAS is 8 for floppies, and usually 16, 32 or 64 for larger hard drives. I set it to 16 for my hard drive.

Note: There is one GOTCHA to making DD.BIT > 1. RBF needs a patch to correctly apply IT.SAS when DD.BIT is > 1, otherwise directories are allocated a length of DD.BIT - 1 sectors and Peter Lyall's MKDIR will not work properly on that device. I wrote the required patch; it's also available free to anyone interested.

The results of this study convinced me OS9 could indeed handle large capacity hard drives. I installed a 5 1/4" half height Micropolis 1684-7 380 MegaByte (unformatted) SCSI hard drive onto my CoCo III using a DISTO SC2 with a 4IN1 board, but that is the subject of my next article.

The large fast hard drive really made my CoCo 3 come alive. I much prefer using my CoCo to using the '486DX PC that sits on my desk at work. For one thing, my CoCo has more storage!

The CoCo, RS-232, & You

By Tom Schaeffges

Every once in a while, somebody raises the question about RS232 signals and how do we, in the coco community, tie into them. The following is an answer that Tom Schaeffges sent to just such a person answering that question.

Pin No.	Circuit	Direction	Description
1	AA	N/A	Protective Ground
2	BA	To Modem	Transmit Data
3	BB	From Modem	Receive Data
4	CA	To Modem	Request To Send
5	CB	From Modem	Clear to Send
6	CC	From Modem	Data Set Ready
7	AB	N/A	Signal Ground
8	CF	From Modem	Data Carrier Detect
12	CI *	From Modem	Select Alternate Rate
15	DB **	From Modem	Transmit Clock
17	DD **	From Modem	Receive Clock
20	CD	To Modem	Data Terminal Ready
22	CE ***	From Modem	Ring Indicator
23	CI *	From Modem	Select Alternate Rate
24	DA	To Modem	Transmit Clock

(DTE Source)

* CI is output on both pin 12 (Bell 212A assignment) and pin 23 (EIA RS-232C assignment). ** These signals are used for synchronous communication. ***When the modem is configured for AutoSync mode, this signal carries an end-of-frame flag.

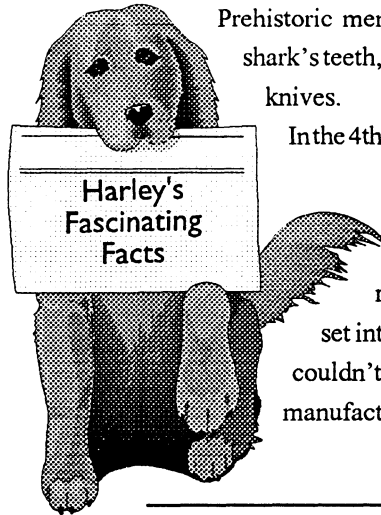
Games & Graphics Computer Artists Wanted

JOEL HEGBERG

To all those with artistic talents...

Sub-Etha Software is looking for a few computer artists for some upcoming projects. Those participating would receive free software products from Sub-Etha Software (either for OS-9 or OSk), plus get to see their name in lights! Anyone interested may send mail plus a sample CM3, VEF, or GIF picture file you created to JOELHEGBERG for more information. You can either be working under RS-DOS, OS-9, or OSk to participate. — If you are interested, please contact:

Joel Mathew Hegberg.
Delphi: JOELHEGBERG
GEnie: j.hegberg
Internet: JoelHegberg@delphi.com



Prehistoric men shaved with clam shells, shark's teeth, sharpened pieces of flint or knives.

In the 4th Century B.C. the Egyptians smoothed their faces with gold and copper razors.

The first crude "safety razor" — a blade that was set into a wooden casing so that it couldn't slice the shaver's skin, was manufactured in 1762.

Brilliant Dummies

Leonardo da Vinci - some say he had dyslexia.

Thomas A. Edison - He was taught by his mother after schools were unsuccessful.

Albert Einstein - He didn't talk until he was 4, and he didn't read until he was 9.

Hans Christian Anderson - The manuscripts of this writer contain amazing variations in spelling.

OS-9

USER'S GROUP

6158 WEST 63 STREET
SUITE 109
CHICAGO, ILLINOIS 60638

ISN'T IT TIME YOU JOINED?
WE'RE STILL GOING STRONG!!!

FOR MORE INFORMATION PLEASE WRITE TO THE ABOVE
ADDRESS.

Quick & Dirty

Looking for a quick and dirty text editor? If you are a new user of UltimaTerm, and are not familiar with all of the bells and whistles that it offers, consider the following "test" that Ken Fish, President of the Atlanta Computer Society, performed some time ago.

"This is a test of writing text under UltimaTerm. I first opened my buffer using ALT-T and the just typed in this text. When I finish, I will close the buffer again using ALT-T. After that I will probably copy the buffer to disk by typing ALT-D for disk options and then saving the buffer to disk. I forget which key to use to save the buffer to disk. I just looked and it is "S" Save buffer to disk. From there on it is easy to transmit the file to the board."

Now, I know that there are a number of club members who have and use UltimaTerm, but say that they don't have a word processor to use to type up articles. Guess what? No more excuses! Let us hear from you. As Johnny Five said, "Couldn't Hurt!"

Words to Ponder

By Linda Podraza

In cleaning up the Cup of CoCo Message Base, I ran across this little bit of text that my wife had typed in. I hope that you enjoy it.

To : All
From : Linda Podraza
Subject : WORDS TO PONDER
Date : 94/02/17 08:37:37

"Xvxn though my typxwritxr is an old modxl, it works quitx wxll xxcxt for onx kxy. I havx wishxd many timxs that it would work pxrfectly. Thrx arx 46 kxys that function wxll xnough, but just onx not working makxs thx diffxrxncx. Somxtimxs it sxxms that somx organizations arx likx my typxwritxr-not all thx pxoplx arx working. You say to yoursxlx: "I am only onx pxrson: I can't makx or brxak a program." But it doxs makx a diffxrcx, bxcausx an organization to bx xffxctivx nxxds thx participation of xvxy pxrson rxlatxd to it. So, thx ntxt timx you think you arx not nxxdxd, rxmxbxr and say to ypursxlx, "I'm a kxy pxrson in my organization and am vxry much nxxdxd." Got thx mxssagx? I thought you all might get a kick out of this! have a good one! 8-) LINDA

For Sale / Wanted

Wanted:

FOR CoCo II only—Universal Vidio Driver for Composite Video; Disk Drive 0 5.25" Floppy Disk Drive Controller w/ cable; RS-232 "Y" cable; Any ROM cartridge programs; Any cassette programs; Any TRS-80 CoCo books other than Color BASIC and Extended BASIC books.

Larry Sharpe

PO BOX 62156

CINCINNATI OH 45262-0156

Barry Ruchalski has the following items for sale:

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:

MODEM I LIGHT CONTROLER LINE PRINTER 120
DIGISECTOR DS-60/69B

SPEECH SOUND CARTRIDGE COLORMAX ALL DISK
PROGRAMS ALL TAPE

PROGRAMS 1 DELUXE JOYSTICK 4 JOYSTICKS MOUSE
GRAPHIC TABLET

VIDEO INTERFACE KINGS QUEST III COCO II 64K
DISK DR. 0 CONTROLER CASS.&CABLES 2
JOYSTICKS MPI

TRS-80 MODEL III (RS)

48K 2 DISK DRS. AND ALL

SOFTWARE TO HERE!!! \$300.00 TAKE ALL

YAESU FT 101 EX TRANS/CEVER \$250.00

5 BAND VERTICAL \$50.00

CALL BARRY AT 708-742-7775

1. OS-9 C-Compiler.....\$20.00
2. OS-9 Level II.....\$10.00
3. Color Profile.....\$10.00
4. OS-9 Level I with Basic09*.....\$10.00
5. Basic09 Tour Guide Book.....FREE with 2 or 4 above.
6. Complete Rainbow Guide to OS-9 Book.....FREE with 2 or 4 above. * Item #4 contains vs. 01.01.00 & vs. 02.00.00 Tandy Cat. no's. 26-3030 & 700-2331

CAUTION: "YOU" pay all mailing costs. Inquiries should indicate need for either or both of the books. Please notify me privately on netmail @ 1:114/36 or via Internet to phxken@nighthawk.stat.com

Snail Mail: Farrell Kenimer

2601 W. Corrine Dr.

Phoenix, Az 85029-2579

COCO HARDWARE FOR SALE:

1. COCOIII with Tandy 512K RAM with manual and ECB User's Guide if desired..... \$75.00
2. COCOII 64K RAM ECB..... \$10.00

These Color Computers will require from \$10.00 to \$15.00 U.S. Postage for 1st Class, insured. UPS via truck (10 days) is somewhat less and all packages are supposed to be covered for up to \$100 automatically.

Please send inquiries to Farrell Kenimer. Both these machines are surplus to my needs as I own two other 512K CoCos.

For Sale / Wanted

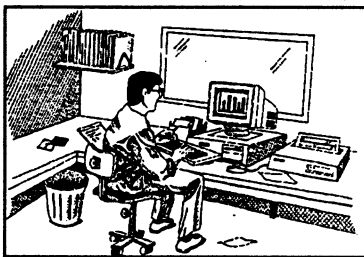
Continued From Page 7

FOR SALE: '87 Pontiac Turbo GT Convertible with INCREDIBLE custom stereo system Asking only \$6,900 for complete package. Will consider selling stereo system separately. Phone: (708) 579-1314, ask for Jim ge kept Sunbird Convertible with \$3000 Alpine AM/FM/Cassette + Multi-disk CD player and Viper Alarm system added in May 1993, +2 new Eagle GT tires. Not driven during past two winters. 65,000 miles, EXCELLENT condition.

Complete details listed below: Original Options Original price \$17,544. 4 cyl 2.0l MFI Turbo, front wheel drive. Power windows and doors. Air conditioning. Custom reclining front bucket seats. Hi-Tech Turbo cast allum. wheels. Eagle GT P215/60R14 tires. Power front disk/rear drum breaks. Rack & pinion power steering. 3 speed automatic transmission. Cruise control. Ralley cluster with turbo boost gauge, tach, and trip odometer. Ralley 4 spoke leather tilt steering wheel.

Special suspension package with MacPherson struts. Power convertible top (black vinyl). Deluxe fog lamps. Engine block heater. Color: Black and Gold (chestnut) Added in '93 New battery and 2 new Eagle GT tires. Viper 400 Alarm system. Incredible Stereo System! Alpine 7517 AM/FM/Cassette deck (removable control face) Alpine 3331 Graphic Equalizer Alipne 5952z Compact disk and remote CD shuttle (in trunk) Rockford Fosgate 260sd power amp. Phoenix Gold M50 triple darlington power amp. Phoenix Gold M25 power amp. Phoenix Gold AX-204. 2-Kenwood KFC 6963 (6"x9" 2-way rear panel speakers) 2-Power Logic HT-606 (6" door mount) 2-Power Logic HT-602 (2" door mount tweeters) 2-JC Audio 10W1 (10" subwoofers mounted in trunk base box) Once again, phone (708) 579-1314 and ask for Jim. —Paul Jerkatis - SandV BBS (708)352-0948: Chicago Area OS-9 Users Group UUCP: amiserv.xnet.com!vpnet!sandv!mithelen ...or... mithelen@sandv.chi.il.us Internet: MITHELEN@Delphi.com

From the Editor's Desk



By David Barnes

Well.... here we go again. Another Fest right around the corner. We now have 23, count 'em, 23 vendors! As you read from Tony's article, this fest has enticed some of the biggest names in the CoCo community. We are proud to once again host the Fest and, depending on your involvement this year, plan on doing it again next year. Spread the word... let's not make this year's Fest our last. Anyway.... thanks again to all who have helped organize the Fest and we'll see YOU there!!!

*If you wish
to contribute
to the
CoCo~123,
please read
page two for
details!!!*

Introducing

#GS01-Pensave Graphic System








Disk includes:

Pen and Paint 3-Doodle program
Pensave-Pixel drawing System
Coco Colorbook-Paint and edit
Plus Five Graphic Files

Req: 128k Coco III & Disk Drive
\$4.95 PPD. Check or Money Order
MO Residents Add \$.23 Sales Tax

Southern Missouri Softworks
HCR 7 Box 218
Doniphan, MO 63935
(314) 255-3722

May 1994

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1 121/244	2 122/243	3 123/242	4 124/241	5 125/240 Cinco de Mayo	6 126/239	7 127/238
8 128/237  Mother's Day	9 129/236	10 130/235	11 131/234	12 132/233  Glenside Color Computer Club Ascension Day	13 133/232	14 134/231
15 135/230	16 136/229	17 137/228	18 138/227	19 139/226  OS-9 Users Group Meeting	20 140/225	21 141/224  Third Annual Last CoCoFEST Armed Forces Day
22 142/223  Third Annual Last CoCoFEST Pentecost	23 143/222	24 144/221	25 145/220  Cook County Color Computer Club Meeting	26 146/219	27 147/218	28 148/217
29 149/216	30 150/215  Memorial Day (Observed)	31 151/214				

June

S	M	T	W	T	F	S
		1	2	3	4	
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

April

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

Location:

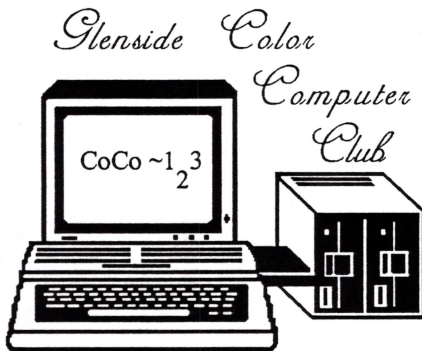
Glenside Public Library
25 W. Fullerton Avenue
Glendale Heights, IL. 60172

Directions:

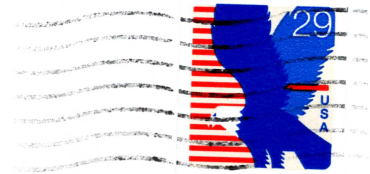
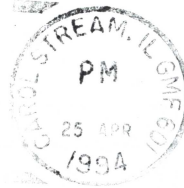
Fullerton avenue is about 1 mile North of North Avenue (Route 64). The library is located West of Bloomindale Road in Glendale Heights. Bloomingdale Road is approximately 2 miles West of Route 53 (or I-355).

Glenside Color Computer Club

Next Meeting Date... May 12



119 ADOBE CIRCLE
CARPENTERSVILLE, IL. 60110



Allen Huffman 93
110 Champions Drive
Apt 811
Lufkin TX 75901