



Glenside Color Computer Club

From the President's Platen

by Tony Podraza

It would seem that the weather in the Chicagoland area has been emulating the climate in the CoCo/OS9 community....hot and muggy! With the pre-emptive resignation of Jim Destafano as President of the OS9 User's Group (US), only 4 short months after his accession to the office, and only two months after the Second Annual "Last" Chicago CoCoFEST!, I can only imagine that the Community in the States and on the continent would feel a little like a lost child; an orphan, if you will; or a body whose head has decided to go off on its own because the body wanted to be nourished and all that the head wanted to do was think; not take the time to breathe and eat. In that type of situation, I submit, not only will the body be uncomfortable (an understatement!), but the head will have lost all credibility with the body in the future. If it were possible, the body would choose that which it could in order to survive until it could get back on its feet, again, and be very cautious as to its original head in the future. For those of you who are members, up, correction, were members of the OS9 User's Group (US), hang in there...I have a premonition that, contrary to written reports, there IS enough interest in the continuance of the organization by certain trustworthy parties, to warrant the reorganization of the Group and your continued participation in the future. NEVER

allow yourself to be swayed by the statements of just ONE person. Check for objective evidence, yourself. And be careful!!! ANYTHING CAN BE DOCUMENTED! Figures lie and liars figure. For the most part, I perceive that the OS9 Community is an eclectic group of HOBBYISTS, as far as the CoCo is concerned. With that in mind, any organization that genuinely attempts to assist the hobbyist should be supported by those that need the assistance, and who will, in their turn, assist others through that group. Now I know that sounds like I'm beating Glenside's own drum, and I don't want to give the impression that Glenside should be supported by everyone who needs help; however I DO want it to give the impression that if you have a local user's group that can support you and that you can support, than do it! If not, remember, you and one other person make a user's group. "If you build it, they will come." If there is not a local group, then by all means, find a national group and support it, and vice versa. You'll find information regarding other national groups and publications elsewhere in your issues of the CoCo~123 from time to time. Check

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CoCo-1,2,3 Information

The Glenside Color Computer Club of Illinois is a not-for-profit organization whose members share an interest in the Tandy Color Computer ®. The CoCo-1,2,3 is the official newsletter of the Glenside Color Computer Club. The Glenside Color Computer Club of Illinois has no affiliation with Radio Shack ® and/or the Tandy Corporation ®. The opinions expressed by the authors of articles contained within this newsletter do not necessarily reflect the opinions of the Editor, the Executive Officers or the actual Club membership. We are committed to publishing a minimum of four issues and a maximum of twelve issues per calendar year. For an annual fee of \$12.00 you can become a GCCC member with full membership privileges. 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 Schneewiess	F832-5571	Dues and
Purchasing			
Editor	David Barnes	S587-9820	Newsletter
coordinator			
VP Telecom	David Barnes	S587-9820	Club BBS SysOp
Printer	Dennis Devitt	S629-2016	Newsletter Exchange
Advertising	Bob Swoger	S576-8068	Newsletter Ads

CoCo-1,2,3 CONTRIBUTIONS

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

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

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

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

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

Submission deadline for the CoCo-1,2,3 is the 20th 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:

August 12
September 9

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

CONTRIBUTORS TO THIS ISSUE

- Tony Podraza
- Howard Luckey · Chris Burke
- Tom Kowalski · Steve King
- David Barnes

EDITOR: David Barnes

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Glenside CoCoRama BBS
(708) 587-9837
9600 BAUD

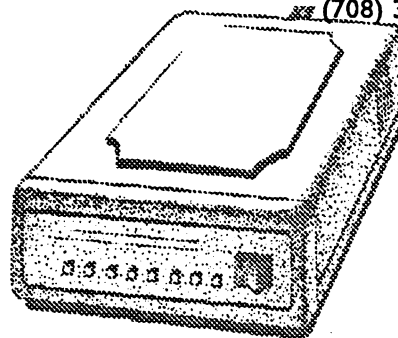
SandV BBS
(708) 352-0948

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 !!!

From The President's Platen

Continued From Page 1

them out and see what they have to offer.

Don't forget the annual picnic. See last month's notice for details.

We still have tee-shirts available for \$8.00. Large size only, sorry. Contact George Schneewiess to order them.

There have been a couple of inquiries regarding the special pricing on the Hitachi 63B09E that the club had available. Are there any more interested parties? If we purchase the chips in mass quantities, we can get the better price, but we would like to have some idea of how many people want them. Call me..the number's on page two. Leave your name, phone number and how many chips you want. I'll let you know when we buy them, by phone, and how much they will be. If we can't get a good price, I'll let you know that, too.

Until we can meet again, I bid you peace.

July Meeting Review

By Howard Luckey

The meeting was called to order a 7:45PM.

Two color printers were on the table in front. One was a Tandy CGP-220 and the other was an IBM color jet printer 3252, model 2. Except for the CGP-220 having a serial and a parallel port while the IBM has only a parallel one, and the IBM having 2 Meg of memory and the Tandy doesn't they were the same printer.

Bob Swoger announced that he had a 13" composite video monitor to give out to any one who wanted to take it.

By now the Pacific North West CoCo Fest would be history. The report is that they had a good turnout. There may be a more complete report later. Mugs and T-shirts are available for ordering. Chris Burke's ROCKET, the hardware project to add the 68000 chip to the CoCo3, was presented at the fest. The project is still on and probably will happen.

A copy of the 6309 book from Burke & Burke which explains the use and the programming of the 6309 chip, was shown for members to look at. The price is \$25.00. Probably a good book to have if you want to get the most out of this chip.

The annual picnic was re-announced and plans for it were discussed. It is scheduled for Saturday, August 14th (or a rain date on Sunday, August 15th). All members, their friends, and other CoCo and OS-9 enthusiasts are invited and encouraged to attend and have a good time.

Eddie Kuns explain what is happening with the national OS-9 Users Group. The president of the group, after volunteering to run the group a few months ago, has unilaterally decided to resign and disband the club. Many of the members are very upset about this, and some of the members of the Chicago OS-9 Users

Group, lead by Carl Boll, have stepped forward to take action to keep the UG going. More news later. Bob Swoger made a motion to the effect that the local Chicago OS-9 Users Group should send a letter to the stating that any negativism is harmful and that if the president of the national group is negative he should step aside. The motion was seconded but it was mentioned that a process has already started to keep the national group going.

Bob also asked if there were any publications stepping forward to replace the defunct "The Rainbow." There are at least three that are being published or about to be published: 1) Uptime, 2) The Noname Magazine which if successful will have a name, and 3) "the world of 68' micros that should be coming out in July. Bob suggested that each of us do what we can to support these publications by either buying, or writing articles or both.

There are three copies of "The OS-9 Guru" on consignment to the club. They can be purchased for \$40.00.

There was a copy of the latest PCM magazine, and in it Lonny Falk welcomed The Rainbow readers. The club is considering running an ad in the magazine thanking CoCo vendors and others for their support over the years. The Atlanta CoCo Fest is definitely on for this year, October 2 and 3.

Bob Swoger mentioned that the Sinclair computer company is still alive and the company has come out with a new laptop. Bob said it has a lot of capabilities and very low price. A video of it will be shown at the picnic. A member mentioned having a problem accessing data on the Disk of the Month disk. Carl Boll wasn't present to comment about the problem.

THE DEMO

Tony demoed the Disk Drive Analyzer a product from J&M, a CoCo vendor from the past, which was donated to the club by Dave Barnes. This is a very good product if you want to test and adjust your floppy drives. Once the software is up and running you insert the Digital Diagnostic Disk, a precision disk, and put your drive through a variety of tests. According to the menu you can choose: 1) clamping test, 2) quick test, a test that runs through the complete set of tests and indicates passed, marginal, or failed, 3) spindle speed test, 4) index hole timing test, 5) alignment sensitivity test, 6) head alignment test, 7) directional seek test, 8) head rotation test, A) analog alignment aid, and C) change test parameters. Tony ran a series of the tests on a drive he had, and showed us the indication of successful or failed test. The manual that comes with the package explains the purpose of the tests and how to read and interpret the info given on the screen. At the moment I don't know if the package is still available or what would be necessary, if anything, to run it on a CoCo3. After the demo a bunch of members gathered around the table while Gene Brooks used the Analyzer to make adjustments on a drive.

The 'Rocket'

By Chris Burke

Several people have posted messages to the list requesting information about a CoCo 3 accessory called "The Rocket". I've tried to keep this note strictly informational...

The Rocket is a proposed 14MHz 68000 processor upgrade with OSK for the CoCo 3. It plugs into the 40-pin processor socket, and is mechanically designed for NTSC CoCos (will probably fit a PAL CoCo, but not sure yet). Right now, it's in the early prototype stages - one hand-wired prototype has been built, and Burke & Burke is debugging the hardware and developing software for this prototype. If there's enough interest from CoCo 3 owners (roughly 100 advance orders), The Rocket with OSK and on-board memory would sell for just under \$200.

A couple of compromises and breakthroughs have gone into the design/packaging of The Rocket.

Breakthroughs:

Motorola's 68306 integrated CPU. This is a full 16-bit data, 32-bit address 68000, with a 16.7 MHz maximum clock and on-board logic for interrupt vectoring, interrupt priority encoding, device selects, DTACK generation, and all of those otherwise troublesome 68000 support functions. The 68306 also includes a fully integrated DRAM controller which can multiplex any number of address bits from 16 (256K DRAMs) to 30 (giant, non-existent DRAMs). The 68306 also includes a DUART (dual serial port) and 16 parallel I/O lines on-chip. This is a 132-pin IC with pins 1/40" apart!

Burke & Burke's K16 Bus synchronization circuit. This circuit allows the 68000 to synchronize to the CoCo's 8-bit 2 MHz bus in realtime, to accomplish 8-bit, 16-bit, and 32-bit transfers. To the rest of the CoCo hardware, The Rocket looks just like a 6809E microprocessor. The entire CoCo hardware looks like a 64K block of memory-mapped I/O to The Rocket's 68306. Thus, The Rocket can access any CoCo memory location or peripheral, including the MMU and graphics controller, joysticks, keyboard, and anything connected to the Multi-PAK, through its 64K "window".

Microware's Industrial OSK. This version of OSK is much less expensive than a full Professional OSK setup. It's missing the development tools, a windowing system, the RBF disk manager, operating system manuals, and some utility programs. The Rocket adds back a compatible disk manager, a windowing system based on OS9 Level 2 windows, some of the missing utilities, and minimal development tools (editor / ASM-like assembler / reduced manual).

Fast 6309 emulator - software emulation of the 6809 / 6309 under OSK. Since we don't have to emulate the CoCo hardware too, this emulator is expected to run faster than others.

Compromises:

14 MHz Vs. 16.7 MHz clock speed - avoids memory wait-states with low-cost 100ns memory.

No DMA or coprocessor capability - to reduce cost.

One SIMM bank - sockets for two identical SIMMs, giving on-board RAM capacity of 512K, 2MB, or 8MB. The base price includes no memory; a version populated with 2MB would cost \$100 more.

Limited device drivers included - drivers for RS-232 pak, halt-floppy, Burke & Burke hard disk, DISTO SCSI hard disk, SC2 no-halt floppy, keyboard/monitor.

Limited expansion - No expansion bus. The on-chip serial ports and parallel I/O are brought out unbuffered to an expansion connector, along with power, ground, and reset. The serial port baud rate oscillator crystal is not populated.

No C Compiler included - The OSK version of GCC (not included) should work, but you'll need RMA / RLINK or equivalent (not included). We're also investigating a stand-alone Rshareware S C compiler, but there's nothing to report on this yet.

Other Issues:

Several people asked whether The Rocket can be used with 1MB and 2MB CoCo upgrade boards. Electrically, yes. Mechanically it is rather tricky. You pretty much have to install one on top of the other, and I can't recommend a specific procedure. Keep in mind that with The Rocket, this extra memory is accessed only through the 64K window - its main uses would be for a large RAM disk and for graphics screens. The Rocket has its own main memory on-board.

The board also has a 6809E / 6309E socket, and a jumper which lets either the 68000 or the 6809 run after RESET. This allows a CoCo with The Rocket installed to operate as a standard CoCo 3 when the jumper is installed.

This is a full 16-bit processor. A very early prototype shown at the Chicago CoCoFest used an 8/16-bit processor, the 68008, at 8 MHz. This very early prototype did not use any actual Rocket circuits (even the bus synchronizer was different, a K8 instead of a K16), but it demonstrated the concept of a 68000 installed in the 6809E socket. The actual Rocket is nearly twice as fast as, and has twice the memory width of, the 68008, for essentially 4X performance. It also has full 32-bit addressing vs. the 1MB address limit of the 68008.

Current status:

A lot of software must be written, and a lot of deals must be made, before The Rocket is a "product".

We're debugging the prototype - works well so far. Expect a live demo at the Port Orchard CoCoFest (25-26 June)

* About 30 advance orders / "letters of intent to purchase" have been received.

* Deadline for advance orders has been extended from June 30 1993 to July 31, 1993. The deadline is a courtesy to people who have placed advance orders, so that we don't tie up their money forever. If we aren't real close to 100 orders by 31 July 1993, anybody who "wants out" gets a full refund.

Ethics For BBS Users

By Steve King

The following are a few points of general BBS etiquette. If you wish to maintain your welcome on whatever system you happen to call, it would be to your advantage to observe these few rules. (Sysops - feel free to download this & display it on your BBS)

1. Don't habitually hang up on a system. Every Sysop is aware that accidental disconnections happen once in a while but we do tend to get annoyed with people who hang up every single time they call because they are either too lazy to terminate properly or they're under the mistaken assumption that the 10 seconds they save online is going to significantly alter their phone bill. "Call Waiting" is not an acceptable excuse for long. If you have it and intend to use the line to call BBS systems, you should either have it disconnected or find some other way to circumvent it.

2. Don't do dumb things like leave yourself a message that says "Just testing to see if this thing works". Where do you think all those other messages came from if it didn't work? Also, don't leave whiny messages that say "Please leave me a message ". If ever there was a person to ignore, it's the one who begs someone to leave him a message. If you want to get messages, start by reading the ones that are already online and getting involved in the conversations that exist.

3. Don't use the local equivalent of a chat command unless you really have some clear cut notion of what you want to say and why. Almost any Sysop is more than happy to answer questions or offer help concerning his system. Unfortunately, because about 85% of the people who call want to chat and about 99% of those people have absolutely nothing to say besides "How old are you?" or something equally irrelevant, fewer Sysops even bother answering their pagers every day.

4. When you are offered a place to leave comments when exiting a system, don't try to use this area to ask the Sysop questions. It is very rude to the other callers to expect the Sysop to carry on a half visible conversation with someone. If you have a question or statement to make and expect the Sysop to respond to it, it should always be made in the section where all the other messages are kept. This allows the Sysop to help many people with the same problem with the least amount of effort on his part.

5. Before you log on with your favorite pseudonym, make sure that handles are allowed. Most Sysops don't want people using handles on the system. There is not enough room for them, they get silly games of one-upmanship started, it is much nicer to deal with a person on a personal basis, and last but not least, everyone should be willing to take full responsibility for his actions or comments instead of slinging mud from behind a phony name.

6. Take the time to log on properly. There is no such place as RIV, HB, ANA or any of a thousand other abbreviations people use instead of their proper city. You may think that everyone knows what RIV is supposed to mean, but every BBS has people calling from all around the country and I assure you that someone from Podunk Iowa has no idea what you're talking about.

7. Don't go out of your way to make rude observations like "Gee, this system is slow". Every BBS is a tradeoff of features. You can generally assume that if someone is running a particular brand of software, that he is either happy with it or he'll decide to find another system he likes better. It does nobody any good when you make comments about something that you perceive to be a flaw when it is running the way the Sysop wants it to. Constructive criticism is

somewhat more welcome. If you have an alternative method that seems to make good sense then run it up the flagpole.

8. When leaving messages, stop and ask yourself whether it is necessary to make it private. Unless there is some particular reason that everyone shouldn't know what you're saying, don't make it private. We don't call them PUBLIC bulletin boards for nothing, folks. It's very irritating to other callers when there are huge blank spots in the messages that they can't read and it stifles interaction between callers.

9. If your favorite BBS has a time limit, observe it. If it doesn't, set a limit for yourself and abide by it instead. Don't tie up a system until it finally kicks you off and then call back with another name. This same rule applies to downloading or playing games. Only one person at a time can be logged on to a BBS and it isn't fair to everyone else if you overstay your welcome. Remember, a BBS is best when it can be left wide open. If you try and cheat the rules you just hurt everybody by forcing the Sysop to adopt more stringent policies. I can't count the number of systems that are now locked tighter than a drum because of people who cheat and abuse.

10. Don't call a BBS just to look at the list of other BBS numbers. Most especially don't call a system as a new user and run right to the other numbers list. There is probably very little that's more annoying to any Sysop than to have his board completely passed over by you on your way to another board.

11. Have the common courtesy to pay attention to what passes in front of your face. When a BBS displays your name and asks "Is this?", don't say yes when you can see perfectly well that it is misspelled. Also, don't start asking questions about simple operation of a system until you have thoroughly read all of the instructions that are available to you. I assure you that it isn't any fun to answer a question for the thousandth time when the answer is prominently displayed in the system bulletins or instructions. Use some common sense when you ask your questions. The person who said "There's no such thing as a stupid question" obviously never operated a BBS.

12. If by some chance you should encounter an error while you are online (Heaven forbid!), ALWAYS take the time to leave the Sysop a message describing the circumstances. Don't just say "There was an error". That is not helpful in the least. Chances are that he knows there was an error. What he needs to know is what you were doing when the error occurred so that he can have some chance of finding and correcting it. If the error happened after you input something, tell him what it was. Remember that a BBS can't improve unless you're willing to help.

13. Don't be personally abusive. It doesn't matter whether you like a Sysop or think he's a jerk. The fact remains that he has a large investment in making his computer available, usually out of the goodness of his heart. If you don't like a Sysop or his system, just remember that you can change the channel any time you want. Calling a Sysop names or making uninformed comments about his lifestyle only shows you for the child you really are.

14. Keep firmly in mind that you are a guest on any BBS you happen to call. Don't think of logging on as one of your basic human rights. Every person that has ever put a computer system online for the use of other people has spent a lot of time and money to do so. While he doesn't expect nonstop pats on the back, it seems reasonable that he should at least be able to expect fair treatment from his callers. This includes following any of the rules for system use he has laid out without grumping about it. Every Sysop has his own idea of how he wants his system to be run. It is really none of your business why he wants to run it the way he does. Your business is to either abide by what he says, or call some other BBS where you feel that you can obey the rules.

The CoCo Trader

The COCO TRADER is a news letter for buyers, sellers, and traders of any COLOR COMPUTER related items. For \$2.50 you can list any items you have for sale or trade, and any items that you may be looking for. You may use up to 1/8 of a page per listing. It is \$2.00 more for each additional 1/8 of a page. This size type. Please include your name, address, and also your phone number, which will not be listed unless you ask for it to be. Since Tandy has dropped the COLOR COMPUTER, and since the demise of The Rainbow, and so many software dealers, it is hard to find a lot of the items that you may be looking for. So the COCO TRADER will be a place to find the them.

A lot of us have bought out COCO items at our local Radio Shack, but we don't know where to trade them for what we really want. The COCO TRADER will give you a place to do it. For \$2.50 your ad will be listed for as long as you like, until you call, or write and tell us to take it out. If you wish to change it there will be another \$2.50 charge.

For now the COCO TRADER will be bi-monthly. If the response is great enough, we will make it monthly.

There is a \$3.00 subscription rate for a six month subscription. If at such time the COCO TRADER becomes a monthly issue, the renewals after that time will become \$6.00 for SIX months, or \$10.00 for a year (12 issues).

Something else we are going to do to get more CoCo-nuts to list something in the COCO-TRADER, is to have a drawing from the names of the first 30 payed ads that we receive. The winner will receive a R.S. cassette recorder, and over 25 original Rainbow on Tape cassettes, along with some other CoCo items. There will also be a drawing from the names of the first 30 payed subscriptions. The winner will receive at least 15 original Rainbow on Tape cassettes, and about 20 other original programs on tape, including Chromasette, T&D, and others along with some other CoCo items.

So let us list your CoCo items that you no longer have a use for, and in so doing maybe we will give you some different ones back.

Send ads, and, or subscriptions to:

James Sternett
3000 Woodland Hills Dr. Apt. 14
Ann Arbor, MI. 48108

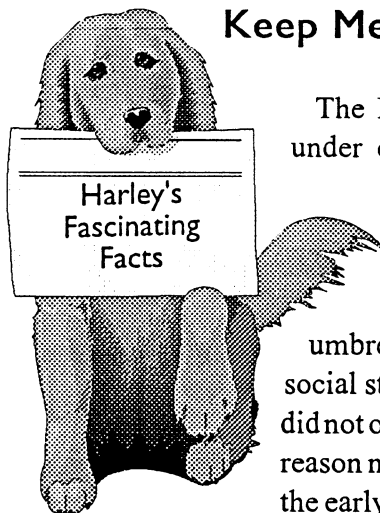
Send check, or money order, but for now, please make it out to JAMES STERNETT.

The first issue was to be out in June, but will be out in JULY, 93. For more info, PLEASE call, or write to me.

(313)-677-2418, AFTER 5:00pm please.

The COCOTRADER will not be involved in, or responsible for any transactions between buyers, and sellers. It is only a means for others to see what is available from other private parties. NO DEALERS PLEASE.

Keep Me Dry



The Egyptian pharaohs set under ceremonial umbrellas, which were said to bring them power from heaven.

Carrying fan umbrellas showed a lack of social status. It suggested you did not own a carriage. Another reason not to carry one was that the early models weighed up to 10 pounds, and also, the oil-soaked cotton versions weren't very waterproof.

In Europe, umbrellas were used only by women until some 300 years ago. Men wore hats and got drenched.

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.

Basic Programming

By Tom Kowalski

This represents the completion of an article which appeared in the April '93 issue of the CoCo-123. We apologize for the delay in printing.

```
2610 PRINT:PRINT `` TYPE STYLE FAMILY``
2620 PRINT:PRINT `` 0 - ROMAN``
2630 PRINT `` 1 - SANS SERIF``
2640 PRINT:PRINT:PRINT ``ENTER
NUMBER`` 2650 INPUT TS$
2660 IF TS$=```` THEN GOTO 2640
2670 IF TS$=``0`` THEN X(1)=0: GOTO 3150
2680 IF TS$=``1`` THEN X(1)=1: GOTO 3150
ELSE GOTO 2690 2690 SOUND 130,5: SOUND
110,5: GOTO 2650
2900 CLS5
2910 PRINT:PRINT ``FULL TYPE STYLE
FAMILY``
2920 PRINT:PRINT `` 0 - ROMAN``
2930 PRINT `` 1 - SANS SERIF``
2940 PRINT `` 2 - COURIER``
2950 PRINT `` 3 - PRESTIGE``
2960 PRINT `` 4 - SCRIPT``
2970 PRINT `` 5 - OCR-B``
2980 PRINT `` 6 - OCR-A``
2990 PRINT `` 7 - ORATOR``
3000 PRINT `` 8 - ORATOR-S``
3010 PRINT `` ENTER OPTION NUMBER``
3020 FTSS$=INKEY$
3030 IF FTSS$=```` THEN GOTO 3020
3040 IF FTSS$=``0`` THEN X(1)=0: GOTO 3150
3050 IF FTSS$=``1`` THEN X(1)=1:GOTO 3150
3060 IF FTSS$=``2`` THEN X(1)=2: GOTO 4050
3070 IF FTSS$=``3`` THEN X(1)=3: GOTO 4050
3080 IF FTSS$=``4`` THEN X(1)=4: GOTO 4050
3090 IF FTSS$=``5`` THEN X(1)=5: GOTO 4050
3100 IF FTSS$=``6`` THEN X(1)=6: GOTO 4050
3110 IF FTSS$=``7`` THEN X(1)=7: GOTO 4050
3120 IF FTSS$=``8`` THEN X(1)=8: GOTO 4050
ELSE GOTO 3130 3130 SOUND 135,10: SOUND
100,8: GOTO 3020
3150 ```` PRINT STYLE ````
3160 CLS5
3170 PRINT:PRINT:PRINT `` PRINT
STYLE``
3180 PRINT:PRINT:PRINT
3190 PRINT `` D - DRAFT``
3200 PRINT:PRINT `` L - LETTER QUALITY``
3210 PRINT:PRINT:PRINT `` ENTER
LETTER`` 3220 PS$=INKEY$
3230 IF PS$=```` THEN GOTO 3270
3240 IF PS$=``D`` THEN GOTO 3270
3250 IF PS$=``L`` THEN GOTO 3280 ELSE GOTO
3260 3260 SOUND 90,10: GOTO 3220
3270 X(2)=0: GOTO 4000
3280 X(2)=1: GOTO 4000
```

```
4000 PRINT#-2, CHR$(27) CHR$(120) CHR$(X(2))
4010 GOTO 5000
4050 PRINT#-2, CHR$(27) CHR$(107) CHR$(X(1))
4060 GOTO 5000
5000 CLS5
5010 PRINT ``PRINTING``
5020 PRINT#-2
5040 PRINT#-
2, CHR$(27) CHR$(113) CHR$(3); CHR$(27) CHR$(71)
5050 PRINT#-2, TAB(20) CFN$````S CHORE AND
ALLOWANCE REPORT``
5060 PRINT#-2, TAB(25) ``WEEK BEGINNING
``M$`` /``MD$
5070 PRINT# 2, CHR$(27) CHR$(113) CHR$(0);
CHR$(27) CHR$(116) CHR$(01) CHR$(27)
CHR$(54)
5110 X$=STRING$(15, CHR$(205))
5120 Y$=STRING$(5, CHR$(205))
5130 Z$=STRING$(12, CHR$(205))
5140 BX$=`` ``
5150 BY$=`` ``
5160 BZ$=`` ``
5170 PRINT# 2, TAB(2) CHR$(201) X$
CHR$(203) Y$ CHR$(203) Y$ CHR$(203) Y$
CHR$(203) Y$ CHR$(203) Y$ CHR$(203) Y$
CHR$(203) Y$ CHR$(203) Y$ CHR$(203) Z$
CHR$(187)
5180 M1$=`` CHORE ``
5190 M2$=`` SUN ``
5200 M3$=`` MON ``
5210 M4$=`` TUE ``
5220 M5$=`` WED ``
5230 M6$=`` THU ``
5240 M7$=`` FRI ``
5250 M8$=`` SAT ``
5260 M9$=`` TOTAL AMT. ``
5270 MX$=``$ AMT``
5280 PRINT#-2, TAB(2) CHR$(186) M1$
CHR$(186) MX$ CHR$(186) M2$ CHR$(186) M3$
CHR$(186) M4$ CHR$(186) M5$ CHR$(186) M6$
CHR$(186) M7$ CHR$(186) M8$ CHR$(186) M9$
CHR$(186)
5290 PRINT#-2, TAB(2) CHR$(204) X$
CHR$(206) Y$ CHR$(206) Y$ CHR$(206) Y$
CHR$(206) Y$ CHR$(206) Y$ CHR$(206) Y$
CHR$(206) Y$ CHR$(206) Y$ CHR$(206) Z$
CHR$(185)
5300 R=1
5310 FOR Q=1 TO C
5330 PRINT#-2, TAB(2) CHR$(186) CN$(Q)
TAB(18) CHR$(186) TAB(19) MV$(Q) TAB(24)
CHR$(186) BY$ CHR$(186) BY$ CHR$(186) BY$
CHR$(186) BY$ CHR$(186) BY$ CHR$(186) BY$
CHR$(186) BY$ CHR$(186) BZ$ CHR$(186)
5340 PRINT#-2, TAB(2) CHR$(186) BX$
CHR$(204) Y$ CHR$(206) Y$CHR$(206) Y$
CHR$(206) Y$ CHR$(206) Y$ CHR$(206) Y$
CHR$(206) Y$ CHR$(206) Y$ CHR$(206) Z$
```


Basic Programming

Continued from page 7

```
CHR$(185)
5350 PRINT#-2, TAB(2) CHR$(186) TAB(18)
CHR$(186) TAB(24) CHR$(186) TAB(30)
CHR$(186) TAB(36) CHR$(186) TAB(42)
CHR$(186) TAB(48) CHR$(186) TAB(54)
CHR$(186) TAB(60) CHR$(186)
TAB(66) CHR$(186) TAB(79) CHR$(186)
5360 PRINT#-2, TAB(2) CHR$(186) BX$
CHR$(204) Y$ CHR$(206) Y$ CHR$(206) Y$
CHR$(206) Y$ CHR$(206) Y$ CHR$(206) Y$
CHR$(206) Y$ CHR$(206) Y$ CHR$(206) Z$
CHR$(185)
5370 PRINT#-2, TAB(2) CHR$(186) TAB(18)
CHR$(186) TAB(24) CHR$(186) TAB(30)
CHR$(186) TAB(36) CHR$(186) TAB(42)
CHR$(186) TAB(48) CHR$(186) TAB(54)
CHR$(186) TAB(60) CHR$(186) TAB(66)
CHR$(186) TAB(79) CHR$(186)
5380 IF R=C THEN GOTO 5500
5385 R=R+1
5390 PRINT#-2, TAB(2) CHR$(204) X$
CHR$(206) Y$ CHR$(206) Y$ CHR$(206) Y$
CHR$(206) Y$ CHR$(206) Y$ CHR$(206) Y$
CHR$(206) Y$ CHR$(206) Y$ CHR$(206) Z$
CHR$(185)
5400 NEXT Q
5500 PRINT#-2, TAB(2) CHR$(200) X$
CHR$(202) Y$ CHR$(202) Y$ CHR$(202) Y$
CHR$(206) Y$ CHR$(202) Y$ CHR$(202) Y$
CHR$(202) Y$ CHR$(202) Y$ CHR$(206) Z$
CHR$(185)
5510 MZ$="" TOTAL AMOUNT FOR THE WEEK''
5520 BB$="" BONUS''
5530 PRINT#-2, TAB(36) CHR$(186) MZ$
TAB(66) CHR$(186) TAB(79) CHR$(186)
5540 PRINT#-2, TAB(36) CHR$(200) Y$
CHR$(205) Y$ CHR$(205) Y$ CHR$(203) Y$
CHR$(205) Y$ CHR$(206) Z$ CHR$(185)
5550 PRINT#-2, TAB(54) CHR$(186) BB$
TAB(66) CHR$(186) BZ$ CHR$(186)
5560 PRINT#-2, TAB(54) CHR$(200) Y$
CHR$(205) Y$ CHR$(202) Z$ CHR$(188)
5570 PRINT#-2, CHR$(12)
5600 PRINT:PRINT:PRINT'' PRINT
ANOTHER''
5610 PRINT:PRINT'' CHORE CHART
?'' 5615 PRINT:PRINT ``
YES OR NO'' 5620 LINE INPUT PA$
5630 IF PA$="" THEN END
5640 IF PA$=""N'' THEN END
5650 IF PA$=""Y'' THEN GOTO 5000
```

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to the
CoCo~123,
please read
page two for
details!!!*

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SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			1	2	3	4
5	6 <i>Labor Day</i>  <i>Labor Day</i>	7	8	9 <i>Glenside Color Computer Club Meeting</i>	10	11
12	13	14	15	16 <i>Rosh Hashanah</i>  <i>Rosh Hashanah</i>	17	18
19	20	21	22 <i>Cook County Color Computer Club Meeting</i> <small>Autumn begins</small>	23 <i>OS-9 Users Group Meeting</i>	24	25 <i>Yom Kippur</i>  <i>Yom Kippur</i>
26	27	28	29	30		

August


S	M	T	W	T	F	S
	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	31				

October

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
31						

October 1993

Glenside Color Computer Club

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1	2
3	4	5	6	7	8	9
10	11 <i>Columbus Day (Observed)</i> 	12	13	14 <i>Glenside Color Computer Club Meeting</i>	15	16
17	18	19	20	21	22	23
24	25	26	27 <i>Cook County Color Computer Club Meeting</i>	28 <i>OS-9 Users Group Meeting</i>	29	30
31 <i>Daylight Savings</i> <i>Halloween</i>						

September

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		

November

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				

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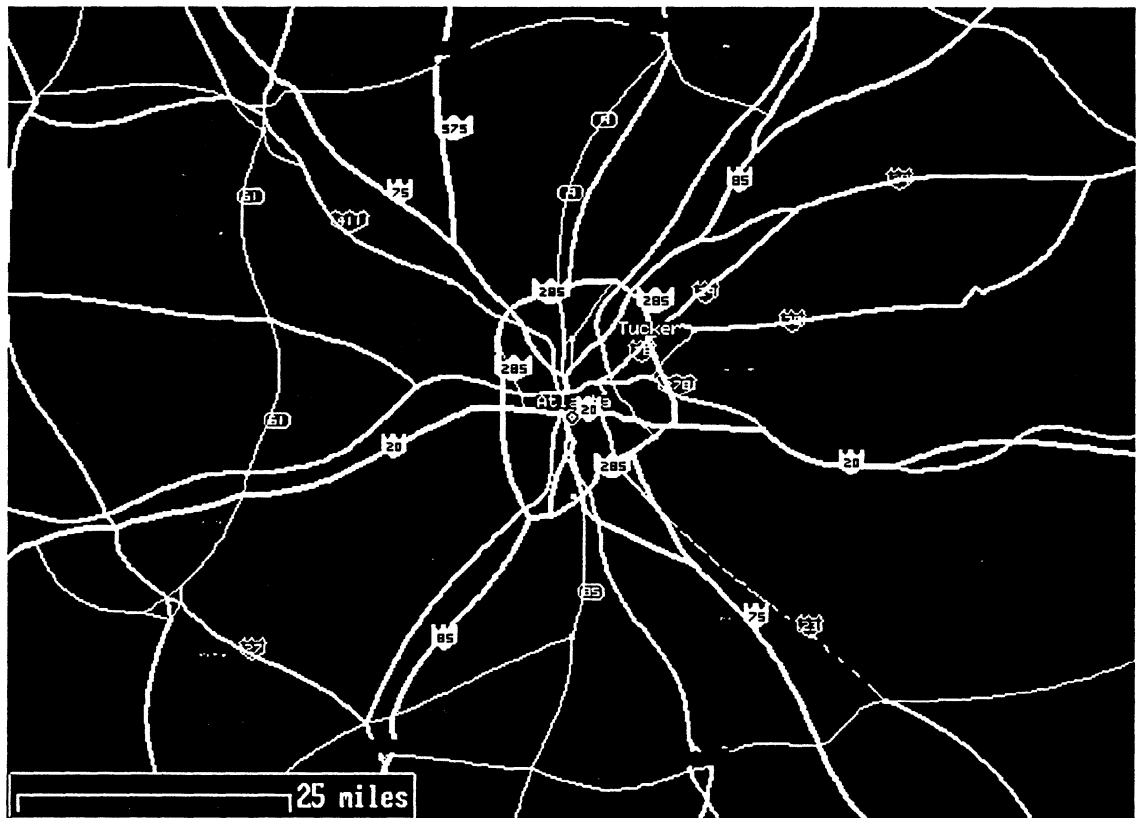
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UPGRADE National Diskletter! From: Mid Iowa & Country CoCo
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Our "UPGRADE" newsletter mailed on Disk, has become a real hit with MAX III graphics accompanying articles. The articles from RSDOS Basic programming, and hardware, to OS-9 by James Jones of Microware; dump to screen (TV, Mono, or RGB) 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? Your 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 part market producers (i.e. support) dropping like flies in late fall? The shrinking Rainbow? The support of your 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 privileges, for a year. (\$3 Sample disk)

Mid Iowa and Country CoCo (non-profit group)
"Gathering the CoCo community!"
Do you want support tomorrow?

Then stay with a group that keeps you in touch!
Annual Membership: \$16.00 US - \$21.00 Canada

Save, "I saw it in **CoTime**" and receive...
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Terry Simons (MI&CC Treas.), 1328 48th St.
Des Moines, IA. 50311 (515) 279-2576 after 8:00 PM

Introducing a NEW MAGAZINE for CoCo users:

the world of
68' micros
Tandy Color Computer, OS-9, OSK

Where will you go for CoCo support after this issue of "The Rainbow"? "the world of 68' micros" is dedicated to producing a **QUALITY** publication supporting the CoCo, Disk BASIC, and OS-9. Top writers and articles will be featured, including the infamous Marty Goodman, who will continue answering CoCo questions. The initial issue will be delivered in August 1993. Contents will be:

- **Repackaging the CoCo** edited, several authors
- **CoCo Answers!** Marty Goodman
- **"C" Programming** (DECBC & OS-9) Bill Sgambati
- **Beginners Showcase** Readers Programs... any language!
- **OS-9/OSK Answers!** Matthew Joel Hegberg
- **Beginning OS-9...from the box!** F.G. Swygert & Rick Ulland
- **Telecommunications** Network Database/BBS News
- **Micro News** New Products and News
- **Swap Shop** Classifieds... **SUBSCRIBERS ONLY!**

Classified ads will be .20/word, \$4 minimum (subscribers get 120 words per year free). No complete systems. Software may be sold or traded... **PIRATING NOT TOLERATED!** Display ads are \$25 1/4, \$45 1/2, \$80 full page. Subscriptions are \$23/year (\$30 Canada) for 8-9 issues (every six weeks). "micro disk" is \$30/year (\$42 Canada) and features DECBC and CoCo OS-9 formats. Individual copies are \$6 each.

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M6809 - OS-9 6809 Emulator/Interpreter
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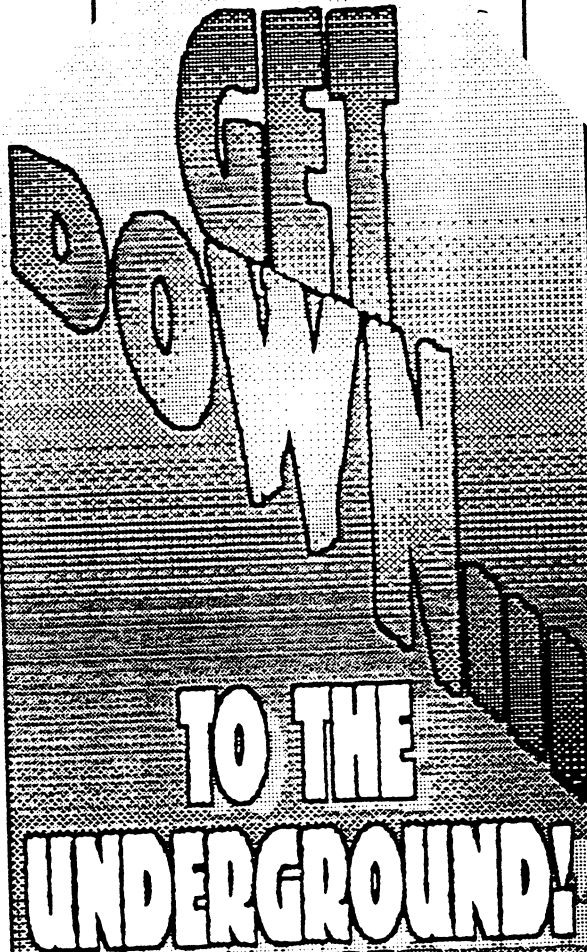
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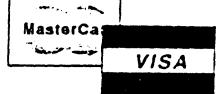
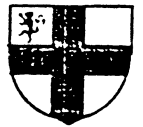


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Native Mode for \$34.95!

Burke & Burke's \$34.95 PowerBoost kit replaces your CoCo's 6809 with a high-performance Hitachi HD63B09E microprocessor. PowerBoost comes with our exclusive "tuneup" program, which uses the HD63B09E's advanced instructions to speed up many OS9 operations by an average of 40%. PowerBoost now includes software to run the 63B09E microprocessor in Native Mode for a 10% average speed increase over previous versions. Our implementation of Native Mode updates only the REL, BXT, OS9P1, OS9P2, and CC3DISK modules; other modules require no modification.
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2nd Edition of "The 6309 Book", \$29.95

If you write assembly language software, you'll find The 6309 Book an indispensable reference guide. The 2nd Edition describes the new addressing modes, as well as the new instructions, of the HD63B09E. Our \$29.95 package includes the book, Native Mode DEBUG patches, a disassembler, and a new version of our XSM 6809/6309 assembler. XSM runs under OS9, but can output RS-DOS, OS9, or Motorola S-Records. XSM uses "FAR pointer" techniques to allow up to 64K of program symbols.
 NOTE: XSM DOES NOT INCLUDE OS9 EQUATE FILES, BUT CAN USE HEADERS PROVIDED WITH THE OS9 LEVEL 1 ASSEMBLER OR LEVEL 2 DEVELOPER'S KIT.

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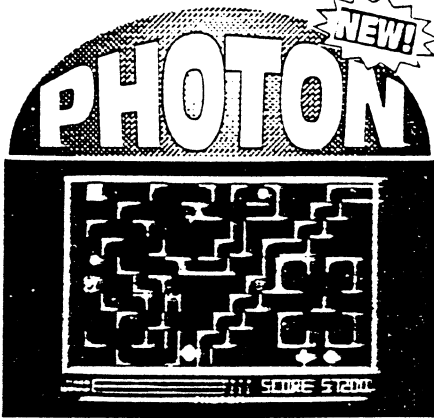
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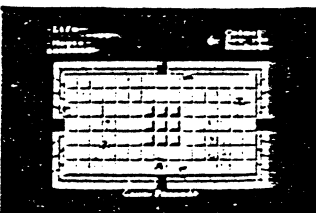
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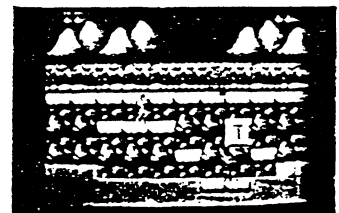
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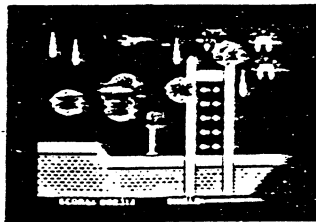
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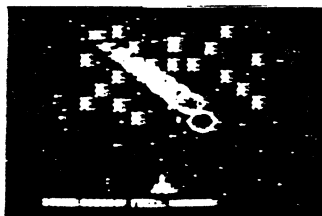
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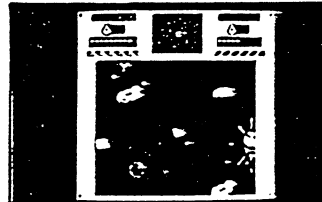
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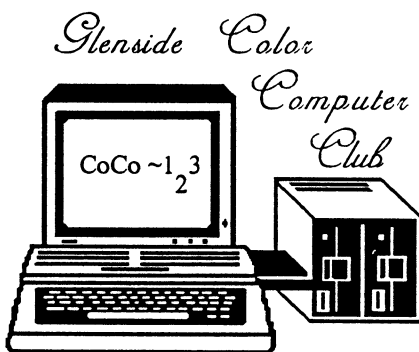
Directions:

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...

September 9



119 ADOBE CIRCLE
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