

Glenside Color Computer Club

A BULLETIN OF GLENSIDE ILL.



NEXT MEETING OF THE GLENSIDE COLOR COMPUTER CLUB

Thursday, July 14, 1988 - 7:30pm
GLENSIDE PUBLIC LIBRARY
25W Fullerton Avenue
Glendale Heights, IL

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INSIDE CoCo~1,2,3

- The Tail of Two Computers
- New Members
- Up for Sale
- Illinois Color Computer Club of Elgin Report
- Something New



THE GLENSIDE COLOR COMPUTER CLUB OFFICERS

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SECRETARY/TREASURE.....Greg Pirtrucha
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VICE PRESIDENTS, BBS.....David Barnes
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GLENSIDE BULLETIN BOARDS

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JUNE/JULY NEWSLETTER

Now that we are well into the summer drought of '88, it is only fitting that CoCo-1,2,3 had it's own form of summer drought! As tough of a job it is to put out this publication, there are not too many times in the course of the year where we have to create a double issue. I hope that you can forgive the staff this one time. As we mentioned during the June membership meeting, there just was not enough time available to create magic on paper.

Now that that is out of the way, lets cook up some good-old B-B-Que CoCo. First off, raise your hand if you had a good time at RAINBOWfest. If you are like myself, your hand is well into the clouds! Once a year it is fun to get together with the CoCo Community and PARTY! I hope you were able to get your CoCo something special. There was enough 'good stuff' available if you were willing to play Monty Hall! It seems from talking to a few of you that the seminars were the best part of the whole weekend. If this was your first or second RAINBOWfest and you did not attend the seminars, DON'T LET IT HAPPEN AGAIN! There is a wealth of knowledge to be had at these seminars and the price is right...FREE! Believe it or not, Glenside is planning our activities for the 1989 Chicago RAINBOWfest right now. Anyway, I do hope you enjoyed yourself and trust that your pocketbook survived the weekend.

There are a number of members that I would like to mentioned that went beyond the call of duty leading up to and during RAINBOWfest. Rich Ekstrom and Len Zielinski saw to it that no stone was left unturned to ensure a smooth Club booth operation and set-up. THANKS GUYS! Greg Pirtrucha probably had the toughest job in collecting your ticket requests and your money. He was also always available to handle those little problems that seemed to crop-up every now and then. THANKS GREG! A BIG thanks has to go to you. Without the support and assistance that you gave, surely, this years RAINBOWfest would have been a total bust. Once again you came through for the Club and the Officers owe you a great deal of gratitude. THANKS AGAIN! If you have not heard, our membership ranks jumped by 20 new members during the RAINBOWfest weekend. OUTSTANDING! What does 20 new members mean to Glenside? Our roster increased by 10%; The Club network was enlarged by 10%; Fresh ideas and all new friends to meet took a quantum leap by 10%; and the demands for Glenside to be it's very best was ensured by 10%. Being apart of a group like Glenside and being associated with great people like yourself, is more then one person could ever dream about...

Lastly I must pass along a big Club thanks to all the members of the Color Computer Club of Elgin and the Cook County Color Computer Club for their help and support. Once again, by working together, nothing is impossible!

That about wraps it up on this end. Again we all are sorry for having to create a double issue of CoCo-1,2,3. It truly was a lack of available time and NOT a reflection on you... OH, our B-B-Que CoCo is ready to be served, Bon Appetit!

CoCo-123

Publication of the Glenside Color Computer Club of Illinois Est. 1987

- **** GLENSIDE HARDWARE SALE ****
- * 1 RS-300 Baud Modem II *
 - * Auto Answer/Dial....\$20.00 *
 - * 1 Pbj Word-Pak 1.....\$25.00 *
- **** GLENSIDE SOFTWARE SALE ****
- * MUSICA RAM DISK (CC3 Only) *
 - * Speech Systems.....\$ 5.00 *
 - * CoCo 3 MEMORY TEST *
 - * Speech Systems.....\$ 5.00 *
 - * CoCo 3 RAM DISK (512k) *
 - * Speech Systems.....\$ 5.00 *
 - * HARDCOYP (for either DMP-200 *
 - * 105, Geminix 10X or SG-10 *
 - * Computize.....\$10.00 *
 - * TERMTALK: DelSoftware.\$ 5.00 *
 - * REAL ESTATE INVESTMENT *
 - * Petrocci Freelance..\$10.00 *
 - * ORDER ENTRY SYSTEM *
 - * Mark Data.....\$25.00 *
 - * CHECK LEDGER SYSTEM *
 - * Computerware.....\$15.00 *
 - * DISK COLORCOM/E *
 - * Eigen Systems.....\$10.00 *
 - * DATAPACK II: Cer-Comp.\$20.00 *
 - * DATAPACK II: Cer-Comp.\$20.00 *
 - * THE LAST WORD (OS-9)..\$20.00 *
 - * DATABANK MANAGER *
 - * Computerware.....\$10.00 *
 - * OTERM: New World *
 - * Technologies, Inc...\$15.00 *
 - * FLEX OPERATING SYSTEM *
 - * Frank Hogg.....\$30.00 *
 - * XDMS DATA MANAGEMENT SYSTEM *
 - * (must use FLEX Operating *
 - * System).....\$30.00 *
 - * GRAPHICOM PART II *
 - * Computerware.....\$10.00 *
 - * DISK COLORCOM/E V2 *
 - * Eigen Systems.....\$10.00 *
 - * COLORCOM/E ROM CARTAGE V3 *
 - * Eigen Systems.....\$ 5.00 *
 - * ELITE*FILE.....\$25.00 *
 - * ELITE*WORD (Pbj Ver)..\$25.00 *
 - * ELITE*COMM (Pbj Ver)..\$10.00 *
 - * ELITE*CALC (CoCo1&2)..\$ 5.00 *
 - * ELITE*WORD (OS-9 L1)..\$25.00 *
 - * VIDTEX w/PERSONAL COLOR *
 - * RADAR: CompuServe...\$ 2.00 *
 - * FORMAKER 1.0 *
 - * Challenger Software.\$10.00 *
 - * XTERM: Microtech.....\$20.00 *
 - * TRSCOPY (OS-9 L1)....\$10.00 *
 - * T/S WORD (OS-9 L1)...\$15.00 *
- *****
- * Contact, Ed Hathaway for all *
 - * above sale items at 462-0694 *
 - * 'ALL' items are original and *
 - * the asking prices are firm! *
- *****

- SEAQUEST ADVENTURE
CLUES
- > GO FALLS
 - > GET SILVER
 - > SOUTH
 - > GET ALL
 - > SOUTH
 - > GO HOLE
 - > BREAK WINDOW
 - > GO WINDOW
 - > LOOK TABLE
 - > GET CARD
 - > GO WINDOW
 - > GO HOLE
 - > NORTH 3 TIMES
 - > GO FALLS
 - > EAST 2 TIMES
 - > MOVE BOULDER
 - > GO CAVE
 - > DROP SILVER
 - > DIG
 - > GET RUM
 - > NORTH
 - > MOVE BOULDER (Failure to close Cave Entrance will result in loss of treasure - It will be stolen from you if Cave is left open)
 - > EAST 3 TIMES
 - > GO STAIRS
 - > SOUTH 2 TIMES
 - > WEST
 - > GET TANKS
 - > FILL TANKS
 - > EAST 3 TIMES
 - > NORTH
 - > GET METAL
 - > SOUTH
- Part 2 in next issue of CoCo-123.



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NEW MEMBERS

- * ROBERT BURSLEY of Battle Creek, MI joined Glenside during the Chicago RAINBOWfest. Even though Robert will not be able to attend too many meetings, he will be able to enjoy all of the Club benefits (long distance!).
- * CLIFF CHASE of Winfield, IL has a CoCo 1,2 & 3 disk based system(s). Other equipment includes a DWP210 & 220 DaisyWheel printer; DMP130 & 106 dot matrix printer and a Tandy 300 & 600 modem. Cliff enjoys using OS-9 and joined us during RAINBOWfest.
- * JAMES COSTANZO of Chicago, IL has a CoCo 3 disk system, a CGP220 color printer and a modem. James joined us during our April meeting as a guest of Paul Covello.
- * MIKE DIYSON of Chicago, IL has a CoCo disk based system with other connected equipment. ** As soon as we get additional information on Mike, we'll pass it along. Welcome Mike...
- * DAVE ERBSTOESSER of Westmont, IL has a CoCo disk based system with other connected equipment. Dave joined us during our April meeting and as soon as we receive additional information on Dave, we'll pass it along.
- * JEFF GUSE of Mt. Prospect, IL has a 512k CoCo 3 disk system and Hard Drive. Other equipment includes a DMP200 printer and a 1200 bps Hayes modem. Jeff enjoys using OS-9 and joined Glenside during our June meeting.
- * JOHN KELLEY of Stone Park, IL has a 64k CoCo 2 disk system and a DWP220 DaisyWheel printer. John joined Glenside during the Chicago RAINBOWfest.
- * BOB KIRKPATRICK of Streamwood, IL has a 64k CoCo 2 disk system with a DMP106 printer and a Tandy modem. Bob joined us during our April meeting.
- * WILLARD S. LORENZ of Oconomowoc, WI has a 64k CoCo 2 disk system, a DMP105 printer and a Tandy modem. Willard joined us during RAINBOWfest and reports being on of the few who tried to use the FLEX Operating System...
- * SCOTT MONTGEMERY of Chicago, IL has a 64k CoCo 2 disk system, a DMP-110 & CGP115 printer and a DCM5 modem. Scott joined Glenside during our April meeting.
- * JEFFREY RHODES of Naperville, IL has a 512k CoCo 3 disk system with a DMP130 printer and a US Robotics modem. Jeffrey uses his CoCo under the OS-9 Operating System and joined us during the Chicago RAINBOWfest.

REPORT FROM THE ILLINOIS COLOR COMPUTER CLUB of ELGIN
by: Tony Podraza

When I first sat down to write this month's drivel, I had intended to bewail the condition of my financial status following Rainbowfest (you may yet hear that tale). However, my eyes caught a headline in the WALL STREET JOURNAL that started me thinking. First, let me apologise for dropping the name of that publication. It's got to be the second time in two years that I've even read it. And second, contrary to popular belief, I can think..I think. But, back to the registers.....

Section two, page one, "Computers Failing As Teaching Aids Heralded Revolution Falls Short Due To Lack Of Machines, Training" There you have it. While Computers are in almost every nook and cranny in the business world, the teaching aids that they were supposed to become haven't appeared as expected. The author continues, in his article, to list the reasons why this has happened.

These reasons include:

- (a) the initial costs
- (b) The "luxury"
- (c) repair costs & obsolescence rate
- (d) the lack of good educational software--it's less lucrative
- (e) user frustration
- (f) lack of computer literate teachers

So why do I bring all of this up? If you're reading this newsletter, chances are pretty good that you have a computer of some type in your home. Chances of it being a COCO are even better. Furthermore, you probably know of at least one young person who thinks of your COCO primarily as a game machine. Now, I don't want to berate the COCO's ability in that field, because I think it does a fine job there in the hands of a competent programmer. However, how many of us have taken the time to show those young people that the COCO has programs like Telewriter, VIP Desktop, Elite Writer, Mikey- or Greggyterm, etc? How many of us or our spouses (have we even shown our spouses how to keep even a simple mailing list on something so primitive as -forgive me- Color File) have volunteered as Parent Teacher Aided to our local school districts to help them in their computer labs for beginners? I'm not talking about teaching UNIX or PASCAL programming here, just elementary school "hands on" familiarization time periods.

Most schools have a fruit gum company computer and I can see where COCO owners will say "I don't know that computer's language," because I said it myself. Well, suprise... just sitting down and going through the book with someone at your side will help you learn while you read the instructions to them. Trust me, it works. First hand experience tells me that it is so. Remember the saying, "When all else fails, read the instructions?" So what if you are reading them to somebody else?

Tell you what, I'll start to do my part to interest my wife and children in things other than games and show them how to use a simple word processor to write letters to their friends. In short, not hog the machine all to my self or convey the idea to my boys that the COCO is nothing but a 'game machine'. As for you, give the idea some thought. The computer is here to stay. We, the users, need to become the educators. And after all, isn't that what our user groups are all about? That is, helping and educating others in computer knowledge.

Help me spread the knowledge.



Dreaming of my CoCo?

NEW MEMBERS...CONTINUED:

- * KEN ROSCLER of Lake Bluff, IL has a 128k CoCo 3 disk system with a DWP210 Daisywheel printer. Ken joined us during RAINBOWfest.
- * GEORGE L. SCHNEEWEISS of Chicago, IL has the complete set of CoCo's living under one roof! System(s) include several disk drives, printers and modems. George enjoys using OS-9 & RS-DOS and joined Glenside during the Chicago RAINBOWfest.
- * BILL SEECK and son DAN of Elk Grove Village, IL have a 64k CoCo 2 disk system, a DWP130A printer and a is considering a modem in the very near future. Bill came to Glenside through a past member (Camille Charlier) and joined during our January meeting.
- * FRANK H. SHERMAN of Forest Park, IL has a 64k CoCo 2 disk system. There are future plans on getting a printer and maybe a modem. Frank joined us during RAINBOWfest.
- * ED (DARKSTAR) STEVENS of Northlake, IL has a 64k CoCo 2 disk system, a DWP110 printer and a DCM7 & Modem 1B modem. Ed uses OS-9 and RS-DOS and is a Radio Shack store manager in Melrose Park. He joined Glenside during our May meeting.
- * CHARLES B. STRONG of Fairmount, IN has a 64k CoCo 1 and a 512k CoCo 3 disk system that he uses under OS-9. He also has a Genini 10X printer, a modem and a Dragron computer. The Dragron was designed as a CoCo clone... Charles joined Glenside during the Chicago RAINBOWfest.
- * RANDY TEMPLE of Chicago, IL has a 64k CoCo 2 and a 512k CoCo 3 disk system. Other equipment being a DWP105, DWP230 & CGP220 printer and an Avatex 1200bps modem. Randy joined us during RAINBOWfest.
- * RICHARD L. THURINGER of Chicago, IL has a 64k CoCo 2 disk system and a DWP105 printer. There are future plans on getting a modem. Richard came to Glenside via the C.A.S.H computer clubs of Chicago.
- * GEORGE MACEYS of Carol Stream, IL has a 64k CoCo 2 disk system. George has been coming to our meetings as a guest and officially became a member during the June meeting.
- * DONNA MAE VAN of Brookfield, IL has a 64k CoCo 2 and uses what ever equipment James Hull will allow!!! Donna officially joined Glenside during RAINBOWfest. She signed herself up as a member in order to be the 'number one' club recruiter at RAINBOWfest. Thanks again Donna for all you have done for us.
- * KEN WHITE of Woodridge, IL has a 64k CoCo 2 disk system and a DWP105 dot matrix printer. Ken joined us during our June meeting.
- * DENNIS & STELLA WRAY of Rolling Meadows, IL have a 128k CoCo 3 disk system and a printer from Howard Medical Computers. They are using the OS-9 Operating System and joined Glenside during our May meeting.

There you have it, a complete line-up of Glenside's newest members. WHAT A LIST! Please join us in giving these new Club members a warm Glenside welcome.

THE TALE OF TWO COMPUTERS

By: Ed Hathaway



Not that long ago I decided to breakaway from the normal 9 to 5 career routine to set-up my own publishing company. My business objective will be to produce and design computer generated graphics and layouts via a DeskTop Publishing program with a HP-Laser Printer. All-in-all it has become a major undertaking just to establish this company! Getting the proper hardware and software combination has become quite the task. If it had not been for the help and guidance of a few Club members, I know that both my wallet and needs would not have been satisfied.

After getting what has been called 'the finest DeskTop Publishing program available' I found one key ingredient missing. CLIP ART! Now Clip Art is nothing more than quick line drawings that every paste-up artist needs to lay-out their projects. There are mounds of clip art books available but so far I have found very little affordable clip art for the computer I am using. The key word in that last statement is affordable! It can take thousands of dollars just to set-up a DeskTop Publishing business and you can equal your equipment investment just buying good clip art. But, in order to be competitive, one must concede to these prices and hope for the best!

Well, as most of you know, I'm not one who likes to concede or except the normal route of travel. Just being a CoCo owner alone has proven that you must persevere beyond the normal channels in order to achieve your computer needs. At times it seems like such a long trip to undertake. But the end results are always better than having to pay retail!

While in one of my 'non-paying retail' modes, it dawned on me how I could mast enough clip art without spending a dime more for overpriced software. It was right in front of me all this time and I never saw it. A quick turn on my office chair produced over 3meg. of CLIP ART! I'm talking about my library of CoCo graphics created with CoCoMax II. All of the clipart I would need to get started was there, right before my tear stained eyes. The challenge now was to get it converted over to the PC. With a well placed call to a local IBM/Clone BBS and CompuServe, I had all the pieces of the puzzle needed to create magic.

The call to CompuServe yielded a program called HICODE/BIN. This program allows you to convert PMODE4 CoCo graphics over to the generic RLE (Real Length Encoder) format. We spoke of this format in past CoCo-123 articles along with the GIF (Graphic Interface Format) format. As a refresher course, the RLE and GIF format allows you to convert computer graphics created on your computer so that other non-compatible systems can view them. So, a good part of the day was spent converting PMODE4 CoCo graphics over to the RLE format and 'NULL-MODEMing' them over to the PC. So far, so good!

The second well placed call was to the local IBM/Clone BBS. Here I found near the end of a huge download file a program called ICONVERT.ARC. This file consisted of eight separate user programs that would convert PC pictures from one drawing program format to another. The best part was that it supported RLE format conversions as well.

With the clap of the hands and another cup of joe, I started to convert my CoCoMax clip art library over to the drawing program I use on the PC. It took two full days to convert all the picture files I had, but the end results were better than one could ever hope for. Every one of my CoCoMax picture files made the conversion without the

loss of one byte or pixel. One of the more pleasant surprises came when I was viewing the finished converted files. The pixel ratio that my monochrome video driver produces on the PC is much greater than that of the CoCo. This means that the CoCoMax files that were transferred over were a little smaller in size on the PC than they were with the CoCo. Thus allowing for a much tighter picture with greater pixel detail. Tie this pixel detail in with a Laser Printer and the end results were 'outstanding'!

Now comes the good part...generating clip art on the CoCo is a lot easier than on the PC. Even through the PC has far more drawing type programs available, none can hold a candle to CoCoMax II! Believe me I have bought my fair share and speak from experience. Not only is CoCoMax II better, but it is far less expensive than the so-called quality PC drawing programs I have obtained. Another handy tool that all good DeskTop Publishers need is a picture scanner. A picture scanner allows you to take a snap shot of a picture and reproduce it onto the computer. The starting price for a hand held scanner for the PC is about \$235. A good full page scanner can rape your wallet of thousands of dollars! Once again the good-old CoCo comes to save the day. About three RAINBOWfests ago I bought a video digitizer for \$100. It produces very sharp PMODE4 pictures when used through a video camera and the file format it uses is the same as CoCoMax II.

So, as mentioned above, with the magic of the conversion programs I found and time, nothing is out of reach! Clip Art, NO PROBLEM! Saving money, NO PROBLEM! Once again the CoCo earns it's keep. And once again the CoCo shows the PC community that it can keep pace with them without having to spend big PC BUCKS! As CoCo owners, we have a machine we can be proud of. One that allows us to perform complex computer tasks and still be able to buy new shoes for the baby. A machine that can grow with you as your computer needs expand. A machine that has stood the test of time, time and time again. Yes my fellow CoCo friends, we may not have all the software or hardware that the PC enjoys, but what we do have is very good and very affordable (theres that word again!)



THE CoCo SHUFFLE!

Getting Started with OS-9
Presented by David Barnes & Paul Covello

First things first!

-----SAVING THOSE MODULES!-----

Remember a few months ago in an article I did for the Glenside CoCo-123 newsletter? It contained an RSDOS program which when typed in and run would proceed to re-write the RSDOS formatted diskette and make a disk that was readable from OS-9 along with a MODULE named SAVE. If your system doesn't have the SAVE command, now is the time to get to work. The save command will be necessary for the proper CONFIGURATION of OS-9. NOTE: OS-9's Level I SAVE command will also work!

*BOOTING UPI ----- Whenever you boot up OS-9, ALWAYS make sure to enter the correct time and date in military time. This assures that OS-9 can date 'stamp' each diskette, each directory, and each file. This can be critical to some programs operating in this environment, i.e. a hard drive backup system that only backs up the directories/files added to the system in the last month. Now is also the time to copy the SAVE command into your CMDS directory!

*Patch before CONFIGing! ----- There are several known 'bugs' in OS-9 Level II. I would recommend using MODPATCH to patch and verify the modules before actually running the CONFIG program. If you have double sided drives capable of more than 35 (standard format) tracks per side, you will also want to patch them before even FORMATTing a diskette. The patches are included on the next page for you to do at home. Be sure when you save the modules, you use the exact name that they were called in the MODULES directory, i.e. CC310.dr. Note: you will have to DELETE the original pathnames before saving the patched modules to disk!

*XMODE & MODPATCH! ----- Now that we have the bugs taken care of, you may want to stop and consider what type of hardware you have. Do you have an RGB monitor? How about a printer, if so what baud rate does it use? How about a terminal program? Did you know that most terminal programs under OS-9 use the RS232 PAK in slot #1 of the Multi-Pak Interface called /T2? What baud rate will you use there? Ok, enough general questions. XMODE is VERY easy to use. The command line to set the printer baud rate to 9600 baud would be :: XMODE /P BAUD=6. The same would hold true for the RS232 PAK to set the baud to 1200 :: XMODE /T2 BAUD=3. You get the picture? Set the various baud rates and decide whether you want PAUSE (screen pause), UPC (upper case only), BSB (backspace with rubout), etc. You will also want to make sure that all printer and terminal related ports have the XON/XOFF values set to XON=11 and XOFF=13. Save the new modules out to the modules directory.

*WINDOWS! ----- If you plan on using windows or adding MultiView, load in the window device descriptors and do any PAUSE, BSB, UPC XMODE commands as well and save those modules back to disk.

*FORMAT! ----- Once the drive descriptors have been modpatched, when you use the FORMAT command, they will tell OS-9 to format the diskette according to the number of sides, number of tracks, and the disk head step rate. I recommend the following command line be used on the first configured system master. FORMAT /DX R ''Configured/Patched Sys Mstr''

The above line has told the format command to format drive x(/d0,/d1/d2/d3), that you are (R)eady for the format to begin, otherwise OS-9 will prompt you for a yes/no response. And finally, the disk being formatted will be called Configured/Patched Sys Mstr. Note: If you are using a single drive system, OMIT the 'R', otherwise OS-9 will format the current disk you are using before you have a chance to replace it with a blank diskette!!

*CONFIG!----- Ok, I know CONFIG is time consuming, but a problem has been discovered when some boot files do not have the device descriptors immediately following the device drivers within the same continuous 8K block. CONFIG will (or at least should <grin>) place the modules in the proper order. I recommend you ALWAYS use CONFIG to make a new system master, after all, if you save the modules into the module directory, they are already patched! When you run config, you will have to CHD/d0 and CHX /d0/cmds prior to calling CONFIG. Also make sure the diskette is not write protected, CONFIG needs to write a file called BOOTLIST to the disk. When config has finished placing the file OS9boot onto the new disk, it will then prompt you to add the CMDS onto the disk, answer with the correct response.

*COBBLER vs OS9GEN! ----- A question always asked is 'when/how do I OS9gen or COBBLER?'. Cobbler allows you to make a new system diskette by placing the current or modified (modified by XMODE for example) OS9boot file onto a new diskette. Cobbler can ONLY do this with the current modules loaded into memory by the ORIGINAL OS9boot file!!! If you need to ADD modules into you bootfile, you must then use the OS9GEN command. OS9GEN takes the OS9boot file from whatever disk you specify, and then adds the new modules to the OS9boot file on another diskette. Examples::After you config, you forgot to set you printer baud rate to 1200 baud via an XMODE /P BAUD=3 command. You execute the XMODE command and then COBBLER /Dx to a freshly formatted diskette. Cobbler will save the original OS9boot file with the new parameters you selected.

*You just purchased WIZ-term, you will need to OS9GEN the two new device descriptors for WIZ into your bootfile. The command would be::OS9gen /d1 #40k computer will appear to lock up... /d0/os9boot <enter> when disk light goes out, replace the sys mstr with the Wiz disk. /d0/modules/m2w.dd <enter> /d0/modules/wizacia.dr <enter> send and EOF (end of file marker) by hitting CTRL + BREAK.

*Hope this helps...

Dave & Paul

GETTING STARTED with OS-9...Continued;

The following page(s) consist of some of the modpatches you will see us install. Some others are included just in case.

*ACIAPAK.pat Changes the buffer size to 512 bytes;

L ACIAPAK C 000B 01 02 C 00A2 0A 20 C 00BA C8 C9 C 00BB 2E 01 C 00B C 1A 00 C 00BD 50 1A C 00BE E1 50 C 00BF C8 E1 C 00C0 1D C8 C 00C1 27 1D C 00C2 04 27 C 00C3 3A D3 C 00C4 A6 3A C 00C5 84 A6 C 00C6 6A 8 4 C 00C7 C8 6A C 00C8 1F C8 C 00C9 5C 1F C 00CA C1 5C C 00CB 4F 5C C 00 C 23 27 C 00CE 5F 5A C 011B 7E 2E C 0124 81 D2 C 02AB 7E 2E C 02B9 81 D2 C 031E C8 C9 C 031F 2E 01 C 0320 E6 00 C 0321 C8 E6 C 0322 1D C8 C 0323 3A 1D C 0324 A7 3A C 0325 84 A7 C 0326 5C 84 C 0327 C1 5C C 0328 4F 5C C 0329 23 27 C 032B 5F 5A C 0353 46 v

*FOVCC310.pat Fixes a bug in the driver;

L cc3io c 07d2 e7 ed v

*CLOCK.pat Fixes a bug in the clock.dr.

L clock c 0191 d6 c 6 v

*DESKMATE.pat; Allows the use of the Hi-Res interface;

L desk c 00f0 03 02 c 00f1 10 12 c 00f2 3f 12 c 00f3 84 12

c 00f4 10 12 c 00f5 25 12 c 00f6 19 12 c 00f7 cf 12 c 00ff 00 01 c 0cab 26 12 c 0cac 08 12 c 0cbe 26 12 c 0cbf 08 12 c 1dc7 7d f6 c 1dc8 82 3a c 1dc9 86 45 v

*DYNACALC.pat Fixes the additional line-feed bug;

L DYNACALC C 7 80 81C 8 63 62 c 4BE2 26 20 V

*GRFDRV.pat Fixes the memory allocation of grfdrv;

L grfdrv c 003a 84 86 v

*INIT.pat Allows for the use of more than one IRQ driven device;

L init c 000 c 0f 0 v

*IOMAN.pat Fixes a bug;

L ioman c 09a6 10 12 c 09a7 a3 e1 v

*CC310.pat Fixes a bug;

L cc3io c 90 86 cc c 92 a7 78 c 93 88 ed c 94 3d 88 c 95 86 3d c 96 78 12 c 97 a7 b7 c 98 88 10 c 99 3e 09 v

*TERM80.pat Patches the term_win.dt for 80 column boot;

L TERM c 14 01 00 c 19 00 01 c 1A 18 17 c 27 00 08 c 2A 00 11 c 2B 00 13 c 2C 28 50 c 30 01 02 c 33 02 00 c 34 03 02 c 35 03 02 c 42 EC F6 c 43 1C 9A c 44 40 6A v

*VDGINT.pat Produces a 'blip' free VDG screen;

L VDGINT C 0014 01 02 C 0447 46 56 C 0451 1F EF C 0452 31 62 C 0453 35 AE C 0454 46 E1 C 0455 DD 9F C 0457 25 35 C 0458 2D 50 C 0459 AF 25 C 045A C8 2B C 045B 47 12 C 045C 6C 17 C 045D C8 04 C 045E 46 8E C 0511 AE E6 C 0513 47 46 C 0515 05 2A C 0516 4F 31 C 0517 C6 C8 C 0518 20 4A C 0519 8D C6 C 051A BE 03 C 051B 31 34 C 051C C8 44 C 051D 4A EE C 051E C6 C8 C 051F 03 47 C 0520 34 CC C 0521 44 20 C 0522 A6 00 C 0523 A0 10 C 0524 27 3F C 0525 07 29 C 0526 5F E6 C 0527 1F A0 C 0528 01 27 C 0529 5C 0A C 052A 10 4F C 052B 3F A7 C 052C 51 3F C 052D 6A 1F C 052E E4 01 C 052F 2E C6 C 0530 F1 01 C 0531 EE 10 C 0532 A4 3F C 0533 27 51 C 0534 06 6A C 0535 CC E4 C 0536 02 2E C 0537 00 EE C 0538 10 35 C 0539 3F 44 C 053A 29 ED C 053B 35 C8 C 053C 44 5A C 080D AE 17 C 080E C8 01 C 080F 5A 70 C 08E0 27 25 C 08E1 05 07 C 08E2 AF AE C 08E4 58 5A C 08E5 5F AF C 08E6 39 C8 C 08E7 34 58 C 08E8 40 5F C 08E9 CC 39 C 08EA 02 12 C 08EB 00 12 C 08EC 10 12 C 08ED 3F 1F C 08EE 28 10 C 08EF 24 ED C 08F0 02 C8 C 08F1 35 47 C 08F2 C0 6C C 08F3 1F C8 C 08F4 30 46 C 08F5 35 8A C 08F6 40 1A C 08F8 02 04 C 0903 20 5F C 0904 E0 39 V

*RGB.pat Patches cc3io to always boot into RGB mode;

L cc3io c 90 86 cc c 92 a7 78 c 93 88 ed c 94 3d 88 c 95 86 3d c 96 78 12 c 97 a7 b7 c 98 88 10 c 99 3e 09 v

*D0.pat;

L d0 c 14 03 xx --where xx= 0-3 0=6ms 1=12ms 2=20ms 3=30ms c 18 23 xx --where xx= 28 for 40 tracks / xx=50 for 80 tracks c 19 01 02 --changes to double sided drives v

**All of the above patches may be created with the BUILD command, or manually typed in each time they are need. If you use the build command, modpatch can be used in the following manner:::modpatch pathname <enter> (where pathname could be the file you used the build command on).



JULY MEETING

For the July meeting, David Barnes and Paul Covello will be giving a BASIC overview of the OS-9 Operating System. One of the key topics that they will be reviewing will be on how to set up a System Disk, patching your current System Disk and fixing known 'BUGS' in the OS-9 Level 2 Operating System Disk. This will be a nuts & bolts type presentation that will benefit both the expert and new OS-9 user. If you are using or thinking about using OS-9 as your DOS (Disk Operating System), this will be a must attend meeting.

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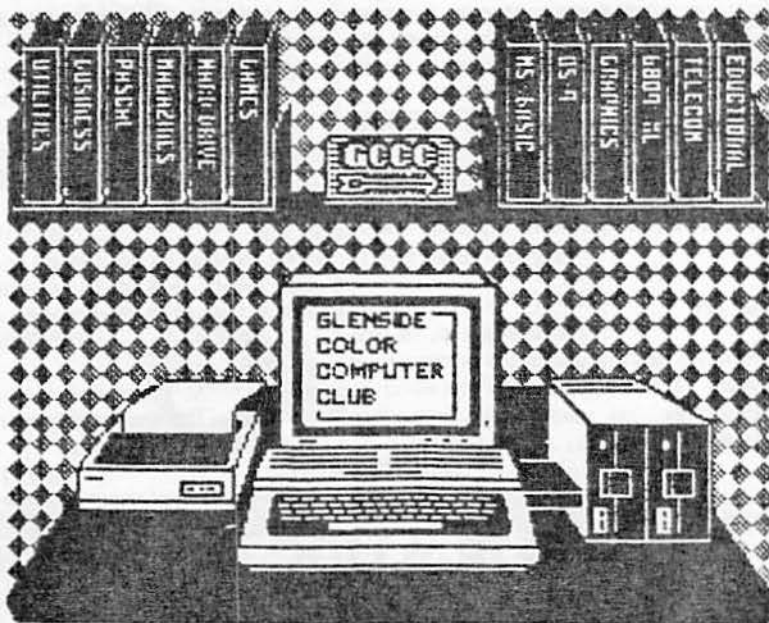
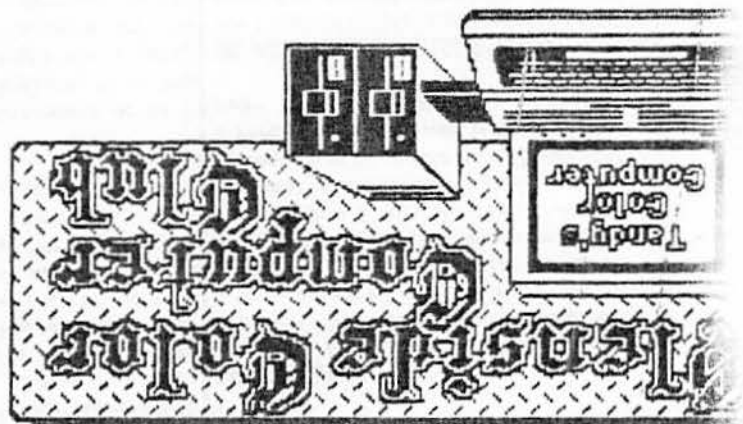
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