

Catalina Commodore Computer Club, Inc.

Tucson, Arizona

Volume 6, Number 11



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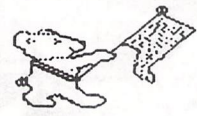
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		1 CCCC MEETING 7 PM - 9:30 PM ST PETER & PAUL GRAMER HALL	2	3 = GRAFIX SIG = 1 PM - 4 PM AT THE HOME OF CHIO BURTON 2802 E. FIRST ST.	4	5
6	7	8 EXECUTIVE BOARD MEETING 7:30 PM AT DOUG DAVIS'S 7341 E. FAYETTE MEMBERS WELCOME	9	10	11	12
13	14	15	16	17	18	19 == HELP DAY == PLUS = BEGINNER SIG = ALL AT ST PETER & PAUL MADONNA HALL
20	21	22	23 = NEWSLETTER = == PARTY == 7 PM ST PETER & PAUL MADONNA HALL	24	25	26 == AMIGA SIG == 10 AM - 12 PM WOODS LIBRARY
27	28 == 128 SIG == AT BOB HOLDCRAFT'S	29	30	DECEMBER 1988 SU MO TU WE TH FR SA 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		

NOVEMBER

 1988



PaperClip Publisher Box Requester

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CANCEL OK

GRAFIX-SIG WORKSHOP

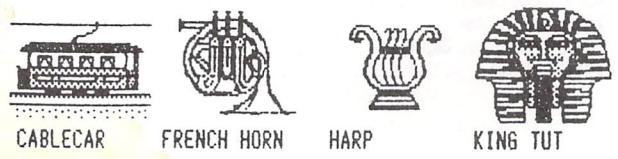
3rd of NOVEMBER Thursday
from 1 to 4 PM

At The Home of CHIO BURTON
2802 East First Street
(One block South of Speedway, on the corner of
Treat and First Streets)

DEMOS WILL INCLUDE:

Introduction to GEOS
Handy Utilities

CALL DAYS: Bob CLAUSEN Tucson 747-0196



PREZ SEZ

by Ron Gray, CCCC

The past couple of months have shown some marked attendance increases at both the general and help day meetings. Most members seem to 'awaken' sometime about September, maintaining a healthy interest and number until the start of the following summer. The normal hibernation habits of our membership are not the only reason for this reserent enthusiasm. Saturday Help Day has been buzzing so much that we even canceled some planned activities just to allow the flow of the meeting to continue. So much hardware is being brought to the Saturday meetings that Frank Traversone had to upgrade the outlets in the meeting room. This past Saturday Tom D'Angelo held a keyboard cleaning workshop. Its success has encouraged Tom to hold similar work shops in the future. More information on what and when will be posted in upcoming newsletters. Frank Traversone has installed a phone line for access to our BBS. This may very well become a regular Saturday Help Day feature as long as the use of the line is not abused.

The general meetings haven't disappointed anyone in attendance either. Howard Wooten's MIDI 'demo' was more of a hands-on tutorial for both the C64 and Amiga computers. If you knew nothing about MIDI or had a great deal of knowledge on the subject, Howard's ability to reach everyone's level was refreshing and informative.

One advantage in having a club of our size is our attractiveness to major software distributors. Mary Beth Coyne, Broderbund's Southwest area sales rep, graced our last general meeting with a warm and outgoing personality. After an enjoyable evening of software demos and giveaways, Mary Beth told me something I've known for quite a while: our club has some of the nicest people she has seen. She enjoyed the evening enough to want to come back in February. Judging from the the response she received, it sounds like a GREAT idea.

So why all this 'the flowers are growing and the birds are choiping' stuff? ... Just a way of telling those of you that have not been at the meetings or have not been getting more involved that we are in season. WAKE UP, the long hot summer is over. Come join us and get involved. Even though a lot of the positions that needed volunteers have been filled, we still need people in all sorts of jobs. So PLEASE, become a greater part of the excitement. We need you and your help to keep it going.

P.S. Thank you Steve Price and Katherine Smith for taking on the library. Your efforts are greatly appreciated.

R & R (Ruminations & Rehash)

by Leila Joiner, CCCC

Lots of "Thank You's" are due for this month, and a few apologies as well! (Why does this remind me of you, Macey? Is it an occupational hazard?)

First, thank you to Marv Lossing for bailing me out when I was sick last month. Marv, our Art Editor, did the final paste-up on the October Newsletter and put together a last-minute Cover Page. He did an admirable job in spite of the late notice and a tight schedule. In case you haven't noticed, Marv also created some nice new page headers for our newsletter, using none other than GEOS!

Second, my apologies to anyone who showed up for the GEOS Clinic at Saturday Help Day. I was sick again, and had to ask Bob Holdcraft to field the Rental Library for me. (Thanks, Bob!) I will plan to do the GEOS Clinic at the November Saturday Help Day, so if you're still interested by then, try again, please.

Third, a great big "Thank You" and welcome to our new Librarians, Steve Price and Katherine Smith. You have stepped in where others fear to tread! Please feel free to ask for help from your fellow club members, if you need it. The Public Domain Library is, indeed, one of the major life supports for our club. Let's not forget it, folks.

Another thank you goes to Broderbund Software for sending us as nice a representative as Mary Beth Coyne to host(ess) our October meeting. You'll find more about that elsewhere in this issue.

The Quantum Link President's Account is finally up and running, and will provide us with our Disk-of-the-Month in November, as well as some up-to-date info in these pages. Q-Link does a great service to Commodore User Groups around the country by giving them free access to the network for up to five hours a month; a saving for our club of \$33.95 a month! One whole section of the Commodore Information Network is devoted to a User Group Exchange, consisting of bulletin boards, software libraries and on-line conference rooms.

The Write Stuff 128 has helped to create the newsletter this month, and I have nothing but good things to say about it. If you have a C-128 you can do yourself no greater service than to buy this inexpensive, easy-to-operate, incredibly sophisticated software. The only problem I had converting the newsletter format from the 64 to the 128 version was quickly solved by a call to the software developer, and turned out be caused by an undocumented *improvement* in the program, not a bug! Life should be so easy all the time!

**WELCOME NEW MEMBERS
CAROLYN POST AND FRANK OLSON**

GETTING STARTED WITH FUN GRAPHICS PT. 2

by Jerry Keegan, South Bay CUG

[Ed. Note: The August issue of Com-Line containing Part 1 of this article is not in my possession. If I can find it, I will publish Part 1 also.]

Last month we looked at LOADING, clearing screens and saw the Graphic side of the program, now for FONTS!!!!

Fire up the old computer, load the program, clear off the three Hi-Res screens and go to T-ext mode. (Just to refresh ourselves, type LOAD":*",8 <RETURN>; RUN <RETURN>. At the 'load' screen select 1 [press the number 1 key] for Graphics Creator, then Y or N for a fast load. Approximately 2 minutes later [I can't use the fast loader] the main menu comes up. Press 4 to go to a Hi-Res screen and clear it -- CTRL SHIFT E --!)

OK!? We are looking at one of the cleared Hi-Res screens. Go to T-ext mode. Press the T key (not SHIFT T, just T). The border changes color and whatever graphic was showing goes away and we now have a standard cursor and are in text mode.

Default, the way the program comes up, is in Commodore Upper/Lower case fonts. Type the following:

Now it's TIME for FUN on FGM!!

You see? Upper and Lower case letters. Commodore also gave us an Upper case and Graphics font. Change to that font ... depress CTRL and press the 5 key. The computer chimed at you! That means the computer DID what you meant it to. If no chime, try again. (Unless you have a monitor with no sound! In that case you may pound your head against the wall ...)

Move the cursor down a line. DON'T use return. Return is an escape or stop function key. It gets you back to the Main Menu, and we don't want that yet. Use the CRSR keys or 'gasp' the RUN/STOP key!

Now retype the line on the screen. Upper case and graphics don't do a whole lot for readability. To get back to Upper/Lower case depress CTRL and press the 4 key. A chime means you are there. Move down the row and type the line again. Upper and lower case!! That is how you select the two Commodore font types that are in the Commodore computer's ROM chips ... What about 1, 2 and 3?

Move down a row and depress CTRL and press the 1 key. At the chime, retype the line. Ho! a different font. Do all the above to keys 2, then 3. Yep! There are FIVE! different fonts available, only a key press away.

CTRL and X to a new blank screen. Now for some font fun. CTRL and 3 for the Tech or Computer font and press CLR HOME to get the cursor to the top left corner. NOW CTRL V V (yes, press V twice) and CTRL H. At each press of V the cursor should have lengthened downward and at H extended across.

Type WOW BIG and it should be in

good-sized letters. Try holding CTRL down and pressing the V and H keys to see how big you can go. By the way, to get back to a Normal cursor press CTRL and N. Having fun yet?

NOW for some advanced stuff, CTRL X to a clean screen. If there isn't a clear screen you'll have to 'return' to graphics placement mode (green border) and CTRL SHIFT E to blank the screen. (You shareware version people, remember it's C, not E. At your earliest moment ... get the printer version, you'll be glad you did!)

At the blank screen in T-ext mode press CTRL 1 and at the chime, CTRL, C= (Commodore logo key) and Y. If you did it right, you should be looking at three full lines and a part of a fourth of text and graphics. This is the complete character set available in 1. By the way, 1 is referred to as Font Buffer One, or Buffer One.

HOME the cursor and press F7 until the Pixel Editor comes up. The pixel editor, you remember, is where we can CHANGE things! HOME the cursor again, if need be and change the @, a and b shown across the top row. Note the numbers across the top and down the left border of the editor. Each character is an 8 x 8 area of PIXELS. When you go beyond the 8 in changing a character, you stop changing THAT character and begin changing the next one!

Once you have made some changes to the three characters, 'return' back to T-ext mode, and CTRL N to do away with the big red area showing you where you were working; also do a CRSR UP to get the cursor out of the way, so you can see how your changes look. The red square must be off the screen for the next part!

CTRL C= Z, all together. The whole screen should go black, then white and the character set is gone!!! You did not clear the screen, press the @ and a and b keys. They should print out in the way you changed them! YES! That is one way of changing the character font as you like. You can change just one or two or the whole set, as you like.

When you have made a lot of changes to a font and used it, now it's time to turn off the computer and wash the car, or whatever. If you just turn the computer off, all that font work is down the drain. Wouldn't it be nice if you could save that font set?

Return to the Main Menu and note numbers 5, 6 and 7! In particular 7, SAVE A CHARACTER SET. Yep, you CAN save your work for another day. Press 7. It asks SAVE CHARACTER BUFFER # 1-3 (1, 2 or 3). We were working on 1, so press that key and choose a name.

That's all there is to it. When you next fire up the program and want that set, press 3 at the Main menu, select a Buffer 1-3 and the file name you used. Wait a moment, we looked at 5 buffers. Why only three choices here? Buffers 1, 2 and 3 are in RAM, 4 and 5 are the Commodore sets in ROM (Read ONLY!). So you can't do anything to them, right? Au contraire. You can call them to the

screen just like 1-3, but when you save the changes BACK, you first have to select Buffer 1, 2 or 3, then do the CTRL C= and Z.

If you don't select 1-3 buffer first, the screen will go black and the character set will vanish, along with any changes you made. NOTE! My latest 'full-blown' version won't let me save the set back to ROM, but the shareware version will let you THINK you have, so be warned. Another reason to get the 'Full-Blown' version. The one with the printer drivers!!! We'll see about the versatility of these drivers in an upcoming part.

As usual I wanted to cover more ground, and as usual I'm out of space. Next time we'll see about LOADING Print Master and Print Shop 2 and 3 block graphics, G-etting and SAVEing graphics and whatever else there is room for.

Happy computing.

C-128 DEVELOPER'S PACKAGE

Downloaded from Q-Link

The C-128 Developer's Package is a full featured 6502 development environment which runs on the C-128. The package consists of a full screen editor, a powerful assembler and a collection of tools and utility routines that support C-64 fast loading, 1571, 1581 burst loading, RAM expansion access, mouse usage and more. The editor and assembler were developed by Fred Bowen and Hedley Davis of Commodore Engineering as an alternative to VAX 6502 development tools. The following topics are covered by the package:

1. Editor/Assembler/Loader
2. 1571, C-128 and SX64 ROM changes
3. 64 Tools (Sprite Editor, Sound Editor, Character Editor)
4. 64 Fast Loads #1, #2, #3
5. RAM Expansion Support Routines
6. 1351 Mouse Support Routines
7. 1571 Burst Load Support
8. 1581 Burst Load Support
9. BASIC 7.0 ROM Math Subroutines

The documentation is an over-200-page manual which tells you how to use the editor, assembler and tools and giving the source listings for the support routines. The development environment takes full advantage of the RAM expansion cards and the 1581, making it the most powerful 6502 development system available for the C-128. It is a four disk package. To order the C-128 DEVPAK, send a check or money order for \$50.00 to:

CATS ORDERS
1200 Wilson Drive
West Chester, PA 19380

If you have any other questions, leave a message on the Commodore Hotline in the Commodore Information Network on Q-Link.

MEMOREX FREQUENT BUYERS PROGRAM

downloaded from Q-Link

Memorex Computer Supplies, a division of Memorex Telex N.V., announced at CES its Frequent Buyer Software Program, providing end users the opportunity to collect proofs of purchase redeemable for name brand software programs directly from Memorex.

Memorex is offering over 60 different software titles, including games, educational and productivity applications from seven well-known software companies, such as Activision, Electronic Arts, Individual Software and Software Publishing.

"Beginning August first, Memorex will complete the circle on the most complete range of computer support products available by offering the opportunity to receive free software programs after purchasing Memorex products," said Barry Taylor, marketing programs manager. "We're bringing it all together -- everything a computer user needs to process information, including the software."

End users purchase Memorex products in order to collect Performance Chip credits redeemable for software programs of corresponding point values. Performance Chip values are assigned according to the UPC number and bar code on the product packaging.

Each Memorex product is assigned from 3 to 10 Performance Chip points based on the product's purchase price. Two-thirds of the software titles are available with purchases of Memorex products totaling \$75 or less.

Software companies participating in the Frequent Buyer Software Program include Accolade, Activision, Disk-Count Software, Electronic Arts, Individual Software, Publishing International, Software Publishing.

Software programs are available in formats for the Commodore 64/128, Amiga, Atari 400/800, Apple II/GS/Mac and IBM PC/compatibles. Many IBM PC compatible programs are available in both 5-1/4 and 3-1/2 inch formats.

The Frequent Buyer Software Program will run for 18 months beginning August 1st through January 31st 1990!

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1581 PARTITIONS AND SUB-DIRECTORIES**from Q-Link via Comm'putoy Cult**

The 1581 diskette has a total of 80 tracks with 40 logical sectors per track, making a total of 3200 sectors. Track 40 is reserved for the directory and BAM (Block Allocation Map), leaving 3160 sectors (blocks) free for user data.

It is possible to allocate sections of the disk into partitions that are not affected by the VALIDATE or COLLECT commands. These partitions can then be set up as Sub-Directories, which appear and perform like separate disks, each with its own directory, etc.

The command for creating a partition or sub-directory is the same, but a sub-directory also has the following additional requirements. (Clarified from the instructions in the 1581 Users Guide, I hope.)

1. The starting sector must be zero.
2. The number of sectors in the sub-directory must be at least 120, and be in even multiples of 40; i.e.: 120, 240, 320, etc.
3. Track 40 can not be included in the sub-directory.

Here's the command, with explanation, used to create a partition or sub-directory.

NOTE: The command channel must be opened FIRST with:

```
OPEN 15,8,15
```

and closed when finished with:

```
CLOSE 15
```

(Forget about Basic 7.0's DOPEN command here.)

COMMAND:

```
PRINT#15,"/0:part name," + CHR$(T) +  
CHR$(S) + CHR$(LB) + CHR$(HB) + ",C"
```

where T = starting track
S = starting sector
(0 for sub-directory)
LB = Lo-Byte of the number of sectors included
HB = Hi-Byte of the number of sector recorded.#####

LN and HB can be calculated as follows, where N = the number of sectors included:

```
HB=INT(N/256):LB=N-HB*256:PRINT NB,LB
```

```
Examples: N=440   HB=01   LB=184  
          N=240   HB=00   LB=240
```

After entering this command correctly, there will be a file created on the disk with the name you gave it, and a file type of CBM. A file type of CBM indicates a 1581 partition.

Before this partition can be used as a sub-directory, it must be formatted, just like a new disk. Up 'til now, the files on the disk have NOT been disturbed, but formatting this partition will wipe it clear (just the area in the partition), just like formatting a new disk.

BEFORE you format ... Select the partition with this command:

```
OPEN15,8,15,"/0:part name":CLOSE15
```

To be sure the correct area has been selected, check the error channel with a PRINT DS\$. If all went okay, you should get:

```
02,SELECTED PARTITION,first T,last T
```

where T is the track number. If you select a partition that does NOT meet the requirements for a sub-directory, you will get:

```
77,SELECTED PARTITION ILLEGAL,00,00
```

Now, use the HEADER or NEW command just like you would to format any new disk.

From here on ALL access to the disk drive will be to this sub-directory ONLY, with everything else on the disk essentially ignored, until the main directory is again selected with:

```
OPEN15,8,15,"/":CLOSE15
```

The directory and BAM for each sub-directory are on the first track allocated. If you include tracks 6 through 12 in your sub-directory, track 6 will contain the directory and BAM. Therefore, should you wish to create a partition or sub-directory within this sub-directory, track 6 could NOT be included in it.

This is not automatically checked for by the DOS, and becomes the programmer's responsibility to control. Only track 40 is checked for by the DOS when creating a partition.

To delete a partition or sub-directory the SCRATCH command is used.

CAUTION:

If the sub-directory is scratched, ALL files in it will also be scratched. Therefore, care must be used here. (The files in a partition will be retained if the partition is scratched.)

Any partition or sub-directory can be partitioned further, and sub-directories can be created with a sub-directory, providing all the requirements are met.

Directories can be transversed only in a forward direction; i.e., to select sub-directory 1 from sub-directory 2, you would have to select the main root directory first, and then proceed forward from there.

Hopefully, this article, along with the Users Guide, will make partitioning somewhat more understandable.

A GUIDE TO MODEMSE

from Word Wrap, W. IND. Users Group
via SOSUG

Definitions of Telecommunications terms:

- ASCII: Italian for ask, as in "Letta me ascii youa dis."
- BAUD: Past tense of what a baby does, "The baby baud all night."
- BUFFER: Opposite of after. Example: "Buffer you do that, you better get permission."
- DUPLEX: The type of house in which modems live.
- HAYES: Mental condition of most novice modem users.
- HAYES COMPATIBLE: Type of modem designed to produce confusion in new owner.
- LINEFEED: What lions eat.
- MODEM: What you say when you want more, e.g., "Give me modem potatoes."
- PASSWORD: A TV game show hosted by Alan Ludden.
- PROTOCOL: Biblical. Someone who rebels as in story of Protocol Son.
- PUNTER: A kicker in American football.
- STOPBIT: What you say when someone is bothering you, e.g., "Hey, stopbit before I punch out your lights!"
- XMODEM: 1. A modem you once owned, but no longer do; or 2. A plastic blob that used to be a modem before the big power surge or lightning strike.
- YMODEM: Question most frequently asked by non-modem users.

ELECTRONIC PRIVACY 101

by Brock N. Meeks, Micro Times
from the CACTUS Communicator

Electronic privacy rights lie in a gray area of the law. The Electronics Communication Privacy Act of 1986 went a long way in helping define what constitutes an invasion of electronics privacy. In March of this year a BBS Sysop filed a lawsuit in Federal Court under ECPA. In the suit it seems that private messages were taken from a BBS and then placed on a second BBS as "Public Messages." The ECPA, which went into effect January 1, 1987, provides federal protection of computer communications, both in transmission and while in storage on a remote host's disk. Specifically, this protection says that a Sysop, although able to read your private messages, can not, under penalty of law, make the contents of the messages known to anyone other than the recipient or "authorized agent." Although it's ethically unacceptable for a Sysop of any computer system to rummage through private files, it happens. Either during routine file maintenance or by deliberate action, Sysops do read private mail. Bottom line here is ... Nothing is safe from the Sysop, but if the Sysop discloses any of what he or she reads, it is grounds for major league privacy violation. This message and intent of the ECPA is clear. "YOU CAN'T MESS WITH A PERSON'S ELECTRONIC PRIVACY," says Robert Smith, Publisher of a Washington, D.C. based privacy journal.

D. J.'S ELECTRONICS

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Tucson, Arizona 85712
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**CCCC EXECUTIVE BOARD MEETING
SEPTEMBER 13, 1988***by Bob Holdcraft, Secretary*

Meeting was called to order at approximately 8 p.m. at the home of Doug Davis. All Board members were present with the exception of Candy Brodecky, Vice-president and Tom D'Angelo, Member-at-large. Also present were Leila Joiner, Newsletter Editor and Rental Librarian; Frank Prievo, Membership Chairman.

The vacancy of the Regular Librarian was discussed. Sally Stafford, who assisted in the Tuesday, September 6th meeting, sent via the Secretary the cash box with receipts and records of THE WRITE STUFF 128 orders. (All of the checks and surplus cash was deposited and deposit slip presented to the Treasurer, by the Secretary.) The cash box and one black record book were turned over by the Secretary to the President, Ron Gray.

It was decided to make the order for the 12 pre-paid TWS128 with the addition of 3 extra copies. A check was drawn by the Treasurer and the Secretary will make the order.

Doug Davis made a motion to buy a disk drive from American Design, a mail order company. It was a CBM8050 for the price of \$89.95 plus shipping. Randy Schild seconded the motion and the motion passed. Steve Witkowski, the Treasurer, gave the Secretary a check to order the item.

Ron Gray will recheck on the Broderbund program for Oct. 11.

The minutes of the last meeting and the Treasurer's report were presented and approved.

The upcoming 'computer fair' was discussed and details such as permission to sell items, etc. will be checked by Doug Davis.

Doug Davis will also check with the present club "Purchasing Agents," since there has been no activity in this regard for some time, to see if they wish to continue with this assignment.

MS-DOS ON Q-LINK*from Random Bits, NOVACOM/CACE*

Although it has never been advertised, Quantum Link (Q-Link) does have MS-DOS software for downloading. However, you will not find it in the regular software libraries. Rather, it is hidden in the COMMODORE INFORMATION NETWORK under the title, "Hardware Support Group for the PC-10/MS-DOS." Downloading must be on a Commodore 64 and then transferred to the MS-DOS format through a null modem (this is fastest) or a modem hook-up, or by the use of a conversion program, such as the "BIG BLUE READER." The files come in both sequential and program format, using straight ASCII coding.

UPDATE ON THE BIG BLUE READER*from Random Bits, Fairfax, VA*

Mike Miller, author of "The Big Blue Reader," has moved his operations from the West Coast to a 5-acre tract in the heart of Indiana. S.O.G.W.A.P. software (Sons Of God With All Powers) is offering an update on the B.B.R. for \$18.00 and the original disk. In a telephone conversation with a member of our user group recently, Mike confirmed that he is polishing a new version of his program that uses: (1) the 128 and expansion RAM; (2) the 64 and a 1571; and (3) the new 1581 drive. With the 1750 RAM or the 1581 drive, several thousand blocks of a file may be transferred in one step.

C-128 PRICE & PROGRESS REPORT*from Twin Cities 128, Issue #21*

Wordstar Release 4 for CP/M. \$89.00 includes a 90-day warranty with free technical support. MicroPro International Corp., 33 San Pablo Ave., San Rafael CA 94903, (415) 499-7676.

Fonts for Fontmaster 128. More borders and fonts for this popular fontprocessor. Suzart, P.O. Box 410852, San Francisco CA 94141-0852. No price as of this date.

The Strategist by Strategy Software. A C-128 market timing program for investors in stocks, bonds, mutual funds and commodities. The package is quite extensive and also includes a telecommunications program, 90-day warranty, and retails for \$29.95. Strategy Software, Box 14-2403, Anchorage AL 99514.

FREE SOFTWARE*downloaded from Q-Link*

According to a news item that appears in the July issue of Compute's Gazette, Verbatim is offering Commodore 64, IBM PC and Apple II users a free software program each time they purchase specially marked boxes of Verbatim's Bonus disks from now through December 1988.

Choose from Sinbad's Gammon, a backgammon game; Investicalc, a financial calculation program; or Banner Maker, which prints message banners for parties and special events.

A coupon from inside the specially marked 10-packs must be mailed in to receive the software. No proof of purchase is required. There is a \$1 charge for shipping and handling. There are no quantity limitations!

For more information, you can contact:

Verbatim Marketing Department
1200 W.T. Harris Blvd
Charlotte, NC 28213

 Call the BBS: 790-6751

BRODERBUND PRESENTS.....

Mary Beth Coyne, a very capable representative from Broderbund Software, flew here from the Los Angeles area at company expense to give a demonstration of Broderbund's offerings for the Commodore computers at our October General Meeting. Programs were demonstrated for the C-64, the C-128 in 64 mode and the Amiga. No 128-specific programs were shown.

Mary Beth began with "Where in Europe is Carmen San Diego?" This newest in the Carmen series is available now for the C64. The list price is \$39.95.

"Type!" turns your your C-64 or C-128 into a personal typing tutor. Included are adaptations for both oldsters and youngsters, with exercises geared to the interests and reading ability of each. Available now for \$19.95.

Adventure games "Times of Lore" and "Ultima V" will be available around the middle of October.

For the Amiga there was "Autoduel," a car racing simulation, available October 13. Available November 21 will be Star Wars (also for the C-64), based on the movie of the same name; Operation Clean Streets, (the Karate Kid joins the Narcotics Squad); Space Racer, for motorcycle enthusiasts who wish their bike had wings; and Sky Chase, an exotic flight simulation that allows two people to chase each other around the sky (or you can play the computer).

Free raffle tickets were passed out to all present, members and non-members alike, and at the end of the evening Mary Beth raffled off all her demo software. Some of the winners were:

- "Times of Lore" - Robert Young (non-member)
- "Sky Chase" - Jim Greene
- "Auto Duel" - Steve Price
- "Carmen San Diego" - Audrey Schneider
- "Type!" - Tony Frank

When asked, Mary Beth intimated that "new things" were in store for Broderbund's classic, "The Print Shop." Mary Beth mentioned "a possible face lift" for the program, but was prevented from any further comment by company policy.

A late start prevented the showing of Fantavision, but Mary Beth gladly offered her demo copy to Larry Vance of the Amiga SIG, with the understanding that he would give a demonstration at the Amiga SIG meeting.

If you would like to express any opinions or have any suggestions for future similar presentations, you can contact Mary Beth Coyne at (213) 324-0174 or write to:

Broderbund Software, Inc.
17 Paul Drive
San Rafael CA 94903-2101

I'm sure Mary Beth would appreciate hearing from you and getting some feedback.

A good time was had by all.
Thank you, Mary Beth and Broderbund!

SHIFT LOCK FOOTSWITCH

by Wallace Edson, CSUN Raster

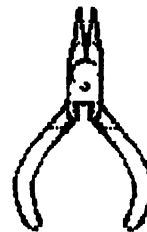
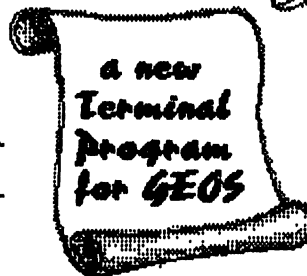
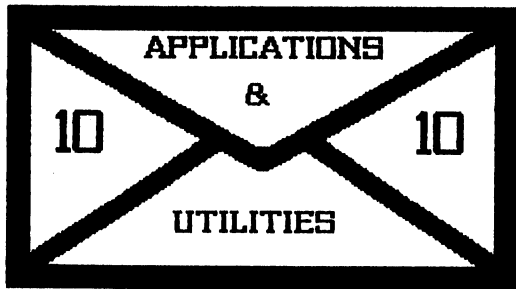
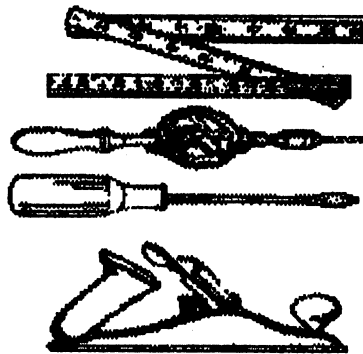
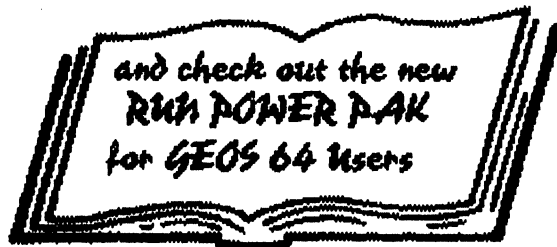
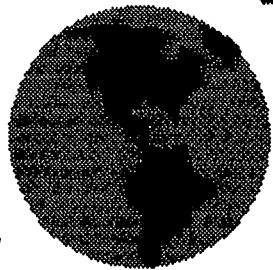
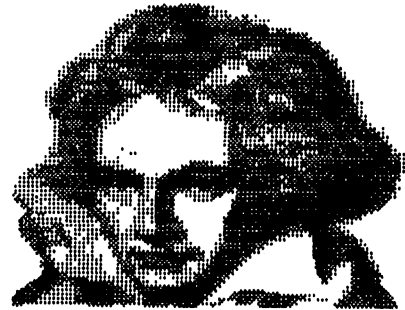
I have modified my computer by adding a footswitch to the SHIFT LOCK. It is a simple job and speeds up my one finger typing to a two finger speed. I find the change very helpful in typing graphics or machine language programs.

Turn the computer over and remove the three screws. Pop the front of the base open about eight inches. Be careful of the two wire cables. Prop the base open and connect two wires to the posts of the SHIFT LOCK switch. The wires should be almost four feet long to have some slack. Cut a notch in the side of the cover to provide clearance for the wires. Be sure that the back of the case fits in the notches before final closure and installation of the screws.

A nicer job is to drill a hole and install a phone jack in the side of the case. Also use small alligator clips to connect the wires to the posts if you don't want to solder on the computer and make a more permanent modification.

Radio Shack has a Cassette footswitch and subminiature phone jacks for a neat job, but any push button switch should work all right.

<div style="display: flex; justify-content: space-between;"> \$ <div style="text-align: center;"> Catalina Commodore Computer Club, Inc. Income Statement Month Ending 9/31/88 Steve Witkowski, Treasurer </div> \$ </div>		
	END OF MONTH	YEAR TO DATE
REVENUE:		
Newsletter Member Fees	\$ 222.00	\$ 2,541.00
Newsletter Advertisement Fees		162.00
Library Sales Revenue	175.00	1,623.51
Club Buys	100.00	690.00
Raffles and Auctions	25.50	272.00
Initiation Fees	30.00	570.00
Rental Library Revenue	30.00	129.00
Other Revenue	7.00	89.50
TOTAL REVENUE	\$669.50	\$6,005.01
EXPENSES:		
Newsletter Expenses	206.79	3,737.16
Library Expenses	25.54	309.22
Rental Library Expenses	2.12	10.34
Club Buy Expenses	147.45	644.20
Raffle and Auction Expenses	32.09	141.09
Meeting Expenses		307.40
Bulletin Board Expenses	53.24	260.00
Membership Expenses		99.10
SIG Expenses		11.72
Saturday Help Day		172.35
Depreciation Expense	44.28	811.90
Administration Expenses	-174.00	342.09
Other Misc.		0.00
TOTAL EXPENSES	\$417.51	\$7,015.45
PROFIT OR (LOSS)	\$ 251.99	(\$ 930.44)





!! SIG FAIR FOR NOVEMBER !!

A SIG Fair is planned for the November Meeting. Don't pass up this chance to see many kinds of software and hardware in action.

Some of the groups represented will be:

GRAFIX SIG: Bob Clausen
Look for the Fun Graphics Machine, and maybe some GEOS 2.0 and PaperClip Publisher?

MS-DOS SIG: Doug Davis will demonstrate some public domain software for MS-DOS computers.

128 SIG: Bob Holdcraft has a great genealogy program put out by the Mormons for CP/M mode on the 128. Other CP/M programs will be on hand.

C-64 Beginner's SIG: Steve Loumeau shows you how to get started with your new Commodore computer system.

AMIGA SIG: Dennis McCormick explores the AMIGA, from the Workbench to CLI. Ask to see some examples of the AMIGA Disk-of-the-Month.

NEWSLETTER: Not a SIG, but Leila Joiner will show you what goes into putting together our club newsletter, from TWS 128 to GEOS 2.0 and 128. (But not including the AMIGA section! Nobody wants to lug that much hardware to a meeting!)

RINGING THE CHANGES

A temporary upheaval in the club structure has been finally resolved. When Candy Brodecky found it necessary to resign both as Librarian and Vice President, it left a big gap to fill all at once. Luckily, last minute volunteers have come to the rescue once again.

Steve Price and Kathy Smith have volunteered to take over as club Librarians. Kathy and Steve can use all the help they can get. Please give them a call at 293-4158 and offer your assistance, no matter how great or small.

To make things a bit easier for Steve and Kathy the Library is being divided up into three segments: Public Domain disks, Disk-of-the-Month and The Write Stuff disks. Bob Holdcraft has kindly volunteered to be responsible for The Write Stuff. If you want to place an

order or make a purchase, please see Bob at one of the meetings, or call him at 747-3163.

A volunteer to handle distribution of the Disk-of-the-Month is still needed.

The Executive Board, in accordance with club by-laws, has voted to accept Leila Joiner as Vice President to fill that vacancy for the present term of office. As the Newsletter Editor is usually present at Board Meetings anyway, this seemed a reasonable answer to the problem.

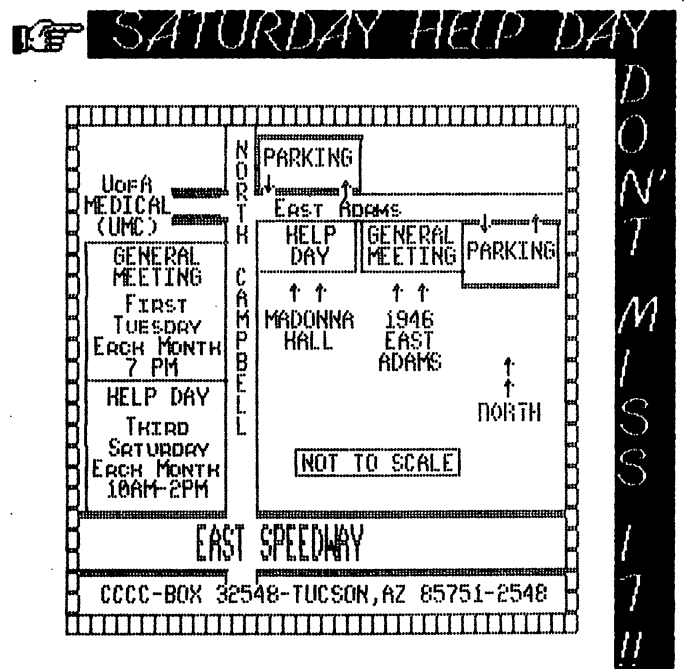
Another change is the appointment of Bob Holdcraft as SubOp for the C-128 area of the Club BBS. Since Jason Auvenshine has moved on to other things and Randy Schild has sold his 128 and moved up to Amiga-dom, this area has been neglected. The 128 SIG meets at Bob's house each month, so it seemed logical for Bob to take over 128 housekeeping for the BBS.

******* CCCC CLASSIFIED ADS *******

FOR SALE: AMIGA 1000: \$1,400. Includes MEGAmiga expansion to 2.5 meg; 1080 monitor; 1.2 kickstart, Photon Paint, Aegis Animator, D Paint II, Deluxe Video, Digi View (software only), PageSetter, LaserScript, Professional Page, Sculpt & Animate 3D, Calligrapher, more. Call Ron Gray, 881-6821.

FOR SALE: SHARP JX720 ink jet color image printer: \$800. For use with Amiga and MS DOS machines. Call Ron Gray, 881-6821.

FOR SALE: MAGNAVOX green mono monitor (almost new): \$70. Call Jim Davis, 623-8094.



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Tony the Printer

KEY TELEPHONE NUMBERS

PLBASE call at reasonable hours. 5-9 p.m.
or as listed.

President.....Board....Ron Gray.....881-6821
Past President..Board....Doug Davis.....790-4162
Vice President..Board....Leila Joiner.....327-0540
Secretary.....Board....Bob Holdcraft....747-3163
Treasurer.....Board....Steve Witkowski....623-0456
Member at Large.Board....Randy Schild.....883-4670
Member at Large.Board....Tom D'Angelo.....296-5076

Activity Director.....NEEDED.....xxx-xxxx
Advertising Agent.....Bob Clausen.....747-0196
AMIGA SIG..[Editor]....Macey Taylor.....326-7265
AMIGA SIG Info.....Randy Schild.....883-4670
Beginners' SIG-Central...Steve Loumeau.....747-7329
Beginner's SIG-W.W.....Yvette Mullican....297-2381
128 SIG.....Bob Holdcraft.....747-3163
Grafix SIG.....Bob Clausen.....747-0196
MS-DOS SIG.....NEEDED.....xxx-xxxx
Telecommunications SIG...Mark Reidy.....745-4650
Green Valley Committee...John Deady.....1-625-8087
Ham Radio.....Harold Wetzel.....886-9019
Volunteer.Coordinator...NEEDED.....xxx-xxxx
LIBRARIAN.....Steve Price.....293-4158
LIBRARIAN.....Katherine Smith....293-4158
Rental Librarian.....Leila Joiner.....327-0540
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Purchasing Agent.....Larry Romo.....883-1286
Purchasing Agent.....Dick Bernier.....574-1512
CHIEF SYSOP.....Phil Pugliese.....unlisted
EDITOR.....Leila Joiner.....327-0540
(Copy to 3527 E. Fort Lowell, 85716 or CCCC BBS)

NO-COPY POLICY

CCCC's Bylaws state:

No Member may at any Meeting perform or allow to be performed any act which may be a violation of any portion of any copyright law or amendment thereto.

MISSING NEWSLETTERS

If you do not receive a newsletter by the time of the Tuesday General Meeting, contact the

MEMBERSHIP CHAIR

Frank Prievo - 574-0145

to find out if there is a reason other than loss by the postal service and to make arrangements to get a replacement copy if that is the case.

GENERAL MEETINGS

The GENERAL MEETINGS run from 7:00 pm to 9:30 pm. The time from 7:00 to 7:30 is allocated to library, membership, equipment set-up, etc. The program will begin at 7:30 pm. Program suggestions and presenters are welcome. Contact the President to offer either.

MAKE FRIENDS!
CALL THE CCCC BBS AT 790-6751!!

DISCOUNTS

The following stores have offered discounts to card carrying club members on many items in stock. NOT ALL items.

ANALOG PRECISION
1620 W. Park Ave., Tucson 85719
622-1344
COMPUTER HORIZONS - 10%
245 S. Plumer, Tucson 85719
622-5966
COMPUTER SUPPLY SPECIALISTS - 10%
2257 E. Broadway, Tucson 85719
623-0662
D.J.s ELECTRONICS - 10%
5441 East Pima St., Tucson 85712
326-8299
NORTH AMERICAN DIGITAL - 10%
3512 E. Grant Rd, Tucson
323-7897
SOFTWARE CITY - 5%
4995 E. Speedway, Tucson 85711
323-8111

If you know of a merchant willing to offer a discount to our members, please let the president or editor know. When you buy, let the vendor know it's because of the club discount. If one of the above vendors DOES NOT extend the discount and you have shown your card, let the President know.

SOFTWARE ORDERS

MAIL TO: CCCC, Inc. Attn: Librarian, P.O. Box 32548, Tucson, AZ. 85751-2548. See Catalog for delivery limitations and specific ordering information.

With the exceptions noted in the catalog for royalties or copy-licensed software, the copy fee per disk side is currently \$3, blank disk provided by club.

When ordering, be sure to include your name, address, phone number, member number, and of course the ID # of the desired disk(s). On multiple disk orders to be mailed, include \$1 postage for each multiple of five disks.

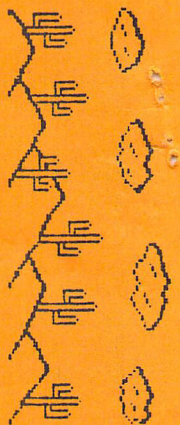
Specify order by catalog ID#, for which computer. Please allow two weeks plus mail time for receipt of your order. Make check or money order payable to CCCC, Inc. (Do Not Send Cash.) If not to be mailed, your software order will be available at the next regular club meeting.

ADVERTISING COSTS

Businesses or individuals wishing to advertise in this newsletter may do so for the following rates.

Full Page.....\$25.00
Calendar Page.....\$20.00
Half Page.....\$15.00
1/4 Page.....\$8.00
1/8 Page.....\$5.00

You may prepay for ten (10) issues, and receive twelve (12) insertions of your ad. Receive two months' free advertising when you prepay for one year! Club members may advertise computer-related services or their personally-owned computer items at no charge. Non-member want ads cost \$1 per line, \$3 minimum. Acceptance of copy is at the sole discretion of Editor. Please give or send hard copy to the editor. Deadline for paid ads is the last Tuesday of the month.



CCCCC TUCSON, ARIZONA

CATALINA COMMODORE COMPUTER CLUB, INC.

NEWSLETTER
VOLUME 6, NUMBER 11 - NOV 1988

** IMPORTANT **

* GENERAL MEETING - November 1, 1988
St. Peter & Paul Catholic Church
On Campbell 1/4 blks N of Speedway
7 p.m. - Out NLT 9:30 p.m.

* SATURDAY HELP DAY - November 19, 1988
St. Peter & Paul Catholic Church
Madonna Hall
10 a.m. - 2 p.m.

* EXECUTIVE BOARD MEETING
(All Members Welcome)
November 8, 1988 7:30 p.m.
Doug Davis's house
7341 E Fayette St

MARK YOUR CALENDARS !!

* MEMBERSHIP RENEWAL *
* ADDRESS CHANGE *

Attn, Membership Chairman P.O. Box 32548, Tucson, AZ 85751-2548.

NAME:.....

STREET:.....

CITY:..... STATE:..... ZIP:.....

PHONE:(.....)..... MEMBER #.....

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New members please remit \$10 Initiation fee.

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Notify Membership Chairman of any
address change. The Post Office
does NOT forward Bulk Mail.
CALL FRANK PRIEVO, 574-0145

AMIGA

NEWS

Amiga SIG Meeting

by Dennis McCormick, CCCC

The next meeting is October 22 at 10 A.M. at the Woods Library on First Avenue about 1-1/2 blocks south of Prince. Usually, meetings are the last Saturday of the month, but there might be some deviation from that day in December, as well as this coming October. Keep a date open, maybe the 17th. November's meeting must end at noon, the 26th.

1.3 news is that some Amiga 500's are shipping with Kickstart 1.3. It was said that the only difference between 1.2 and 1.3 is that 1.3 has hard disk boot code.

There may be some trade-in offers in effect but some dealers may not be participating. Check around.

Computer Discount of Phoenix has working CMI Process Accelerators for sale. That's at 834 East Indian School Road, 274-9599. Their catalog #4 was at the meeting.

Byte magazine used to carry articles about the Amiga. One of their columnists would write a few paragraphs, usually negative, every few issues. There would also be reprints of BIX messages on the subject of the Amiga. Not lately! The Computer Shopper magazine does cover the Amiga, though, along with the Amiga-specific magazines. Waldenbook stores, Bookman's and North American Digital carry these.

I demonstrated "Sinbad and the Throne of the Falcon" game, the second release by the same company that did "Defender of the Crown." The role you play is Sinbad and you have to defend the capitol city and restore the caliph to human shape within a certain time. You travel the story world seeking clues, fighting creatures, and conversing with other characters to bring them into your travel group. These conversations can be humorous and maybe risqué. The Amiga needs 512k and a joystick to run the game. I recommend 2 disk drives. Games can be saved for later play and the program is copy-protected.

Mike Lawrence showed ProWrite version 2.02. This is the first word processor that Mike has bought for his Amiga and he is pleased with it. 1.3 printer drivers and Preferences are included, 8 documents may be opened at once and 2 spelling checkers may be applied to text. Any IFF picture can be inserted into a file; brushes appear faster. This is a "What You See Is What You Get" word processor. It costs about \$80 from Abel. The audience asked many interested questions about the program's capabilities.

Registered owners may upgrade to Professional Page from Pagesetter for \$100; no disks need to be exchanged.

Last month's issue of Personal Publication (or Publishing) contained reviews of Amiga and Atari desk top publishing programs.

The Disk of the Month has: in the Text drawer, Abel's price list and hard drives (these drives may not be auto-booting), etc.; the latest Virus protector; ClickDOS, a directory utility; Hurricane, a color-cycled pix of Gilbert; in the Game drawer, Blackjack, maybe a bit buggy as it crashed the system for I keep my Workbench disk write-protected to reduce the chance of virus copying; FastDisk, optimizes floppies; IconLab, turns Brushes and IFF files into icons; and ScreenX, controls screen selection and de-selection.

A New Picture Trade

by John Rydell, *Amiga Today*

Are you the type of person who loves to collect and admire the newest and hottest Amiga pictures? But are you also the type of person who has a hard time justifying spending fifteen minutes or more to download a picture? If you are, I might have the perfect solution for you. Anyone who sends me a normal 3-1/2 inch Amiga-formatted disk with at least one picture on it will have their disk sent back to them with a collection of other pictures that other people have sent me. (I'll randomly fill your disk with the pictures that I think are best. Or you can send a small note with your disk specifying any preferences that you have.)

Specifications: I am only requiring that one picture be sent, but would be grateful if you sent more than one. This way I will have a greater collection of pictures to choose from and everyone will benefit. The pictures must be stored in normal format so that one of the popular programs will be able to display them. (Any of the commercial programs or the public domain display programs are fine.) Also, the picture you send must be public domain. Please make sure that you are free to distribute your picture before you send it.

What to do: Send a SASE (one that is big enough and has enough postage for it to be returned with a disk in it) to:

Amiga Picture Trade
c/o John Rydell
640 Willoughlen Road
Santa Barbara, CA 93105

Then wait approximately a week or two and you will receive your disk back filled with new pictures for you to enjoy. (Tell your friends and help me make the picture trade a success!)

AMIGA NEWS

COMPUTER VIRUSES SURVEY

Part II

by D.F. Doell, CCCC

One-time viruses have cropped up from time to time also. In May a Fort Worth, Texas computer programmer was convicted of "gaining 'harmful access to a computer system' and deliberately executing a program designed to interfere with the machine's normal use." He used a virus to "delete at least 168,000 records of sales commissions compiled by his former employer" (Spectrum, July 1988, p. 3). Texas law, by the way, makes computer sabotage and infecting a system with a virus felonies punishable by a prison term of up to ten years.

Most of the Amiga viruses are European-bred, and not all have reached the United States yet, or so it seems. The belief in the computer industry is that if a virus is in Europe can the United States be far behind?

The Byte Bandit virus replicates first in RAM, where it copies itself into a place above the high memory pointer so that it may survive a warm boot, according to Tibbett (VirusX1.71.doc). From there it copies itself to every bootable disk inserted into an external drive and/or to any new one inserted into the internal drive. It also replicates on disks just "Installed" to eliminate a virus via the AmigaDOS Install command.

The Byte Warrior virus is similar to the Byte Bandit virus, but its effect is to detect other viruses and to sound and/or flash an alarm when one is found. It also prints a message asking the user to let it remain to reproduce. Other effects, including as-yet-unseen future ones, have not been described (VirusX1.71.doc).

The Revenge virus is especially insidious. It too detects other viruses, but it rewrites them so as to make them more damaging. It changes the Byte Bandit and the SCAs to cause them to crash the system, for instance. Originating either in Sweden or Germany, where it is widespread, it operates the way that the Byte Bandit virus does. It also redraws the mouse pointer as a phallus, graphically giving the user "the bird" -- it's an x-rated virus. Besides using VirusX, the user can apply certain joystick moves and buttons to detect it and either wholly or partially remove it from RAM. (See VirusX1.71.doc for instructions.)

The North Star virus is another anti-viral infection that alerts the user to the presence of a virus. It too can be dangerous to commercial boot blocks. VirusX 1.71 is designed to cope with it and with the Obelisk Software Crew virus.

The SCA viruses "LSD" and "Zorro/Willow" are publicized but not well-described. Only the fixes are described. VCheck 1.2, VCheck 1.9, and VirusX 1.71 can find and neutralize them.

How may viruses be eliminated? In "VirusInfo," Bill Koester of Commodore-Amiga Technical Support (CATS) suggests a step-by-step procedure. "If your boot disk is infected," says Koester, "and has no specialized boot code" that you wish to keep

(1) Use the AmigaDOS Install command from CLI to remove the virus.

(Usage: Install dfn. Example: Install dft.) Koester warns that using Install on some commercial disks, especially those containing certain games, can destroy specialized, required boot codes and prevent the proper operation of the programs. He notes that "any infected boot disk that works" after Install is used "probably had no specialized boot code" to begin with.

- (2) Write-protect the disk.
- (3) Check the disk with VCheck 1.9 to ensure it is clean.
- (4) Turn off the machine "for 30 seconds" to cleanse memory.
- (5) Boot with the clean, write-protected disk.
- (6) Use VCheck 1.2 to ensure memory is clean and VCheck 1.9 to check all other boot disks.
- (7) Use the Install command to remove virus found on any of these other boot disks.

Koester suggests some prevention also:

- (1) "Write-protect your disks before booting with them, especially if you are booting on someone else's machine or booting after someone else has used your machine."
- (2) If you are unsure if your computer memory is clean, "turn off the computer for thirty (30) seconds."
- (3) Use the VChecks to see if disks and memory are free of virus.
- (4) "Do not distribute any bootable disks without first making sure that they and their masters are free of infection" ("VirusInfo").

Write-protecting disks may not keep all viruses out. Network World (July 4, 1988) observes that there are ways to override and/or change disk protection via code and that as fast as cures are developed new viruses can be written that bypass the fixes.

VCheck1.2 and VCheck1.9 are not the only virus-checkers for the Amiga. VirusX and Viewboot are two checkers that may be easier to use than the VChecks. VirusX may be installed on Workbench and run by clicking on its icon. (It may also be run from CLI or incorporated in the startup-sequence program along with the public domain Runback command in the C directory.)

VirusX 1.71, the latest version, is more than a checker; it is actually a "viricide," because it kills any of the six Amiga viruses it finds. It stays resident in memory, checking memory and every subsequently loaded disk in every drive and reporting to the user on what it finds and does. Working interactively with the user, it doesn't require the typing of the Install command from CLI; it engages Install from within the program and erases viruses almost immediately. VirusX 1.71 is presently (August 1988) a user's best bet for an effective anti-viral program.

Some computer industry consultants see the threat from viruses as being great enough to justify the creation of a "computer virus industry association." Something of a watchdog, this group would identify viruses, discover patterns basic or common to all viruses, and develop criteria for judging vaccine programs. Then it would inform the industry, recommending good antiviral programs and suggesting preventative measures.

AMIGA NEWS

VIRUS	EFFECT ON HARDWARE/SOFTWARE	REPORTING SOURCE
Alameda Boot	Infects IBM system boot sector and any disk during reboot; scrambles data.	Network World 7/4/88
Byte Bandit	An Amiga virus.	"VirusX1.71.doc"
AntiTrojan	A PC virus that starts as a virus detector. After a delay and after finding a virus or a full disk, erases floppies and/or hard disk.	Mike Parasich, PCC (East)
Byte Warrior	An Amiga virus that detects and flashes an alarm at other viruses.	"VirusX1.71.doc"
Christmas Card	By German student, prints Christmas tree on BitNet, tapping into network address list for more addressees.	Network World July 4, 1988
Command	Infects IBM command.com, scrambling master file attribute table, prevents system operations, erases all files, crashes the system, and spreads efficiently to networks.	Network World July 4, 1988
European	Apocalyptic message on screen, followed by erasure of all disks loaded; on Amiga in Europe. [May be same as SCA].	Compute! May 1988
Friday 13	Infects every IBM .com program, erasing programs and/or disks every Friday the 13th.	Network World July 4, 1988
Jerusalem	Infects IBM .com and .exe files, destroying file allocation tables and scrambling data elsewhere.	Network World July 4, 1988
Lehigh	Replicates four times and then destroys hard disk; hides in IBM command.com; infected Lehigh U.	Network World July 4, 1988
MacPeace	On-screen "World Peace" message, first seen in stack by HyperCard on CompuServe; created by MACMAG to print on Macintosh Nov. 2 anniversary.	Compute! June 1988
North Star	An Amiga virus that detects others.	"VirusX1.71.doc"
Obelisk Software Crew	An Amiga virus.	"VirusX1.71.doc"
Pakistani Brain	Infects IBM boot sectors, slowing disks, but not erasing.	Network World 7/4/88
PC (A)	Unexpectedly reformats hard and floppy disks; on IBM. [May be same as PC Virus (B).]	Compute! May 1988
PC (B)	Hides in stack space of Command. com, propagates (copies itself) when certain DOS commands (dir, type, etc.) are given, and erases all disks in the computer, especially the directory table and the file allocation table; on IBM.	Computing News July 1988
Revenge	An Amiga virus that changes pointer and makes other viruses deadly.	"VirusX1.71.doc"
Sale	(One-time case) Erased 168,000+ sales commissions records of a Texas company.	Spectrum July 1988
SCA	Found on Microdeal "Time Bandit"; reputedly by European group called SCA; attacks Amiga.	Amazing Computing 3,5
SCA #1	On Amiga (may be same as SCA). ["LSD"??]	"VirusX1.71.doc"
SCA #2	On Amiga (may be same as SCA). ["Zorro/Willow"??]	"VirusX1.71.doc"
Score	Apple and Macintosh virus, lies dormant for days after replication and prevents saving of files. It also "toys with the user" and after 30 minutes crashes the system.	Network World July 4, 1988
Trojans	Seemingly normal utility program that unexpectedly reformats hard disks; on IBM.	Compute! May 1988
Turkey	Flashes picture of turkey on ARPANET, military network.	Network World 7/4/88
UT El Paso	LAN virus.	Network World 7/4/88

AMIGA NEWS

ANTIVIRAL PROGRAMS, ETC.

[Thanks to Joel Halbert, Bob Arneson, Mike Parasich, and James Alexander for information and leads. *D.F.D.*]

- ASP** Advanced Software Protection system that develops and applies a cryptographic checksum for detection of viruses. It is still in development.
- C-4** An Interpath utility that helps to prevent initial infections by monitoring all disk accesses.
- Data Physician** A Digital Dispatch utility that identifies viral infection by comparing to normal boot code.
- Dr. Panda** A Panda Systems' utility that helps to prevent initial infections by monitoring all disk accesses.
- FluShot** Public domain utility that detects and destroys IBM viruses.
- "Install"** AmigaDOS command that erases and rewrites disk boot sector into standard code for the Amiga.
- Serum** Public domain utility that detects and destroys IBM viruses.
- Tracer** An Interpath utility that identifies viral infection by comparison with normal code.
- Vaccine** A checker-corrector originally designed by Don Brown of CE Software to detect and correct the MacPeace virus created by MACMAG for the Macintosh; public domain.
- Vaccine** A collection of utilities that "block viruses from getting into programs" and "trace changes to files." Product of Foundationware.
- VCheck 1.2** Two public domain checkers by Bill Koester (for memory and dfD:) of Commodore Technical Support for the VCheck 1.9 Amiga (CATS) for the SCA viruses (for all drives).
- Viewboot** A public domain checker by Brian Meadows for the Amiga.
- VirALARM** An "innoculator" by Lasertrieve that is placed on disks and/or within IBM software programs to detect and prevent entry of a virus.
- VirusX 1.71** A public domain virus checker-killer by Steve Tibbett that stays resident against the five Amiga viruses. It clears memory and all 3.5" disks as they are loaded and reports to the user.

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AMIGA NEWS

AMIGA Help Day by Dennis McCormick CCCC

The latest session of Amiga Help Day at Madonna Hall of St. Peter and Paul on East Adams was on September 17, the third Saturday of the month, at 10 A.M.

Most who came by were new owners or were checking out what an Amiga could do as an office computer. So there was some discussion of hard drives for the Amiga 2000 and what the cost of a Bridge Card and a hard card would total versus an outboard Amiga hard drive. The cost is \$100 or \$200 more for the Bridge board and a hard card, but then one can run all of the software developed for the IBM machines and that's a lot of business programs. If you run a business and can still use your IBM software, buying a 2000 with the Bridge board makes good sense.

For both the new owners and those considering becoming one there was a demonstration of using icons on Workbench with Intuition. A tour of Preferences pointed out what each feature or adjustment did in the operation of the keyboard, mouse or printer. The Club does have a library of Amiga public domain disks and Disks of the Month; several of these were explored and features pointed out such as the Text drawer containing the catalog of the Abel computer software/hardware/book company, the Terminal drawer containing communication software and many others. Every new member of the Club who joins stating the ownership of an Amiga should receive a 3-1/2" micro-floppy new-member disk. This disk was opened on the Club's Amiga 500 at this Help session.

Finally, a member brought in Fantavision to demonstrate. This program does easy animation with sound. It's so easy that children can use it.

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Add a 68010 CPU to your Amiga 500

**by Pat Wilkinson and John Krout
WAC Commodore CURSOR, September 1988**

The installation of a 68010 central processing unit (cpu) in an Amiga 500 is a fairly simple task. The original 68000 sits in a socket just behind the upper left corner of the keyboard. Disassembly and reassembly of the computer case is easier than the Amiga 1000 procedure described in the April 1988 issue of *THE CURSOR*.

There are different models of the 68010 on the market. The one for you is the 68010L8: it is the least expensive, and works with master clocks running up to 8 Megahertz (MHz). The Amiga line uses a 7.14 MHz clock. Model 68010L10 will do you no additional good, and it costs a lot more. Our 68010L8 was purchased for \$20 at a computer show from a local mail-order firm, Mao Electronics, P.O. Box 6871, Alexandria, VA 22306.

The required tools include a small phillips screwdriver and, in our case, a 1/16" allen wrench. We did the installation on Pat's Amiga 500, and most of the screws required the allen wrench rather than a normal or phillips screwdriver. This might not be true in earlier or later 500s.

Of course, before attempting this procedure, unplug all your computer gear from the household power outlet.

Upon removing the casing screws on the bottom of the computer, we removed the keyboard to expose a metal shield over the electronics. The keyboard is attached to the electronics by a ribbon cable, much like the keyboard in the C64. We found that it was possible to leave the ribbon cable attached to the electronics, but that was because Commodore left enough slack for maneuvering the cable, and they might not do that in the future. If you decide to unplug the cable from the electronics, note carefully the orientation of the connector before removing it; at least in Pat's 500, it is not polarized and can fit into the socket two different ways. The keyboard then slides out from beneath plastic tabs and is not otherwise secured.

There is a grounding cable extending from the disk drive housing to the vicinity of the keyboard. It helps to disconnect that also, and it is attached by a screw.

The electronics are mostly hidden from view by the metal shield. It is secured by a few bendable tabs and some screws. Once those are released, the shield can be removed and the 68000 cpu will be visible. It is the largest integrated circuit body on the electronics board. As in the Amiga 1000, it resides very near the expansion

(continued on Page A-6)

AMIGA NEWS

AMIGA & GEOS??

from Random Bits, September 1988
 [GEOS World by Dave Breeding]

"The Rumor Barrel"

BSW is working fast and furious on Amiga GEOS! Amiga GEOS will not be a substitute operating system, but a system overlay that will work in conjunction with the Amiga multi-tasking system to give Amiga users all of the 'advantages' of the GEOS system. GeoWrite and GeoPaint will be packaged with the system for Amiga users. One of the real 'advantages' will be the ability to pass files between GEOS 128 (with the 1581 drive) and the Amiga. I'll believe it when I see it."

[Ed: Rumors abound in the world of Commodore, some more unlikely than others. As unlikely as Amiga GEOS might sound to the average Amiga user, it does bring up some interesting possibilities. As a long-time user of GEOS on the C64 and C-128, I was used to a high resolution for fonts and graphics. I found myself disappointed in the built-in Amiga fonts and the quality of printing on a dot-matrix printer.

In order to discover what GEOS might bring to the Amiga, Howard Wooten played around with duplicating some of the GEOS fill patterns (as well as some original ones of his own) on DeluxePaint as brushes. These brushes can be used with Amiga programs as fill patterns, and give the user an alternative to the standard gray scale patterns. Samples are included below, showing how crisp, clean and precise some of these patterns can be.

The Commodore 64 has been around a long time in computer years, and programmers have become increasingly adept at stretching its capabilities to the limit. As an Amiga owner I'm hoping to see the same trend in Amiga programming. I'd welcome Berkeley Softworks and anyone else who can come up with creative programming for the Amiga.]



BlanketFill



DkGreyFill



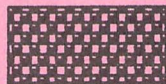
Lace-1



Pattern-1



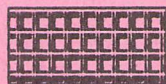
LtGreyFill



SphereFill



Texture-1



Waffle



X-Fill



MedGreyFill

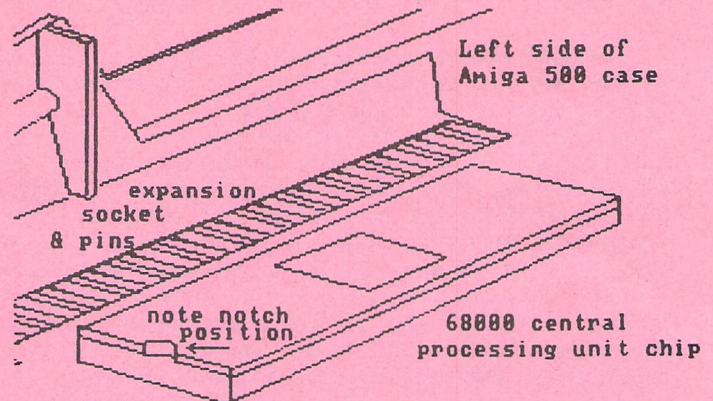


GreyPatt-1



Pattern-2

68010 CPU (continued)



connector strip.

The illustration shows the position of the 68000. Note carefully the notch in one end of the 68000 body. You must insert the 68010 oriented in the same way, with the notch facing the keyboard.

Removing the 68000 is easier than in the Amiga 1000, because one end of the Amiga 500 cpu is directly adjacent to the keyboard, now removed. You can slip a small screwdriver shaft in between the 68000 body and the socket, and VERY SLOWLY pry the 68000 out of its socket. Rotating the shaft seems to do the job gently.

It doesn't pay to destroy your 68000. As described in April's issue of *THE CURSOR*, most programs work with the 68010 cpu, and the remainder can work with either DeciGel or Fix68010, both of which programs appear on the WAC-2 AMIGAware public domain disk. However, we have found one program which resists the charms of both DeciGel and Fix68010, and it is useful indeed: Transformer 1.2. This is especially ironic because the author of Fix68010 specifically claims to have written it for Transformer. However, the March 1988 issue of Transactor magazine reported another method to make Transformer work with a 68010. We are testing that method and will report on it as soon as possible. Meanwhile, we recommend that you save your 68000 in case you need it in the future. You can park it on the same foam pad on which the 68010 is delivered.

Once you remove the 68000, plug in the 68010 and reassemble your 500.

Our timing tests indicate that Pagesetter demagnifies and refreshes a page about 10% faster when using the 68010. Other programs may detect the presence of the 68010 and take advantage of certain powerful 68010 machine-language instructions which are not available on the 68000. A local firm called Cryogenic Software is developing a 3-D drawing program which, among many other features, detects and uses the 68010. Cryogenic hopes to compete with products like Sculpt 3-D.