

Commodore Users Group of Saskatchewan

March, 1991

Vol 6, No. 3

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Have a Happy Easter

BBS List for Regina, Saskatchewan, Area Code 306, For February 1991.

Name of System	Phone #	Baud	BBS Program Used	Sysop's Name	Code
Aladin's Cave	789-9800	1200	Wildcat v1.03		I
Bar Room	569-1475	2400	Deus 0.2a		I
Billionaire's Boys Club	586-9571	2400	Wildcat! v2.03B	Jason Howorko	I,G,S
Bit Bucket	352-3236	2400	Fido v12t	Bart Ritchie	I
C.U.G.S. BBS	543-7683	1200	EBBS Ver4.6	Barry Bircher	C
DataForce	585-1958	14400	RemoteAccess v0.04+		I
Datapac 300	565-0111	300	Westbridge	none	S
Datapac 1200	565-0181	1200	Westbridge	none	S
Datapac 2400	565-6000	2400	Westbridge	none	S
Datareach	1-995-3333	2400	SaskTel	none	S,I
Dead Poet's Society	522-4834	2400	RemoteAccess v0.04a	James Hendy	I
Double Check	525-0807	2400	Paragon v2.07	Randy Coghill	Z
Double Q Access	584-2916	1200	Bruce 9000	Robert Patterson	I,G
Excalibur	949-8605	2400	EBBS Ver. 4.6	Yves Desjardins	C
Fernando's Retreat	585-0298	9600	Opus v1.12	Colin Campbell	I,G
GIF Heaven	545-6701	2400	RemoteAccess v0.04	Gabe Mahin	I,S
Girk Dently's Holistic	789-9909	2400	Fido v12t	Richard Wolbaum	I
Last Chance	777-3179	1200	DTJ-BBS	Ross Parker	C
Micro City I	584-0747	2400	GBBS-PC	Ron Ware	I,G,S
Micro City II	584-0748	2400	GBBS-PC	Ron Ware	I,G,S
Micro City III	584-2911	2400	GBBS-PC	Ron Ware	I,S
Micro City IV	584-2912	2400	GBBS-PC	Ron Ware	I,S
Missing Link	775-1512	9600	PCBoard 14.5		I,S
Mission Impossible	569-9705	1200	Home Made	Kevin Hoffman	C,G
Polestar	586-1551	9600	RemoteAccess U0.04	Bryce Eckstein	I
Pool Hall, The	586-8490	2400	PC Board v15	Roger Linka	I,G
Pool Hall, The	586-0922	9600	PC Board v14		I
Ratt III	949-6105	1200	BBS Express	Larry Sutton	T
Regina_FIDO I	777-4493	14400	Fido v12t	Ken Ganshirt	I
Regina_FIDO II	569-0271	9600	Fido v12t	Ken Ganshirt	I
Regina Public Library	347-0463	9600	VUCAT/GEAC		*
Software Trader	584-3826	2400	Wildcat 1.03		I
Speed Zone	757-5519	1200	Remote Access	John Carrizo	I
Star Traders Inc.	545-0259	2400	Opus v1.12	Robert Gunther	I,G
Tee Hun Kay	779-1237	2400	Opus v1.12	Garry Ehman	I
TTL Computer Concepts	522-3233	2400	Opus v1.13	Bjorn Meyer	I
Unibase 1200	789-0709	1200	Unix	Leigh Calnek	S
Unibase 2400	789-0715	2400	Unix	Leigh Calnek	S
U of R 2400	585-5216	2400	Deckserver Cluster	none	S
Xerox Service Centre	789-8464	14400	Opus 1.14		I

S-Commerical System Z-Amiga
 G-Games (on-line) I-IBM C-Commodore
 T-Atari A-Apple *-7-E-1 settings
 I-Datareach is local from every phone in Saskatchewan

ALL BULLETIN BOARDS run at 8,N,1 modem settings unless otherwise stated.

Obligatory Stuff

CUGS MAILING ADDRESS:

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	Yves Desjardins	949 8526
	Joe Gomes	789 8174

If you have any questions about CUGS please feel free to contact any of the above executive members.

CUGS currently has several reserved areas on:

Excalibur BBS (306) 949-8605
Sysop: Yves Desjardins

The Monitor is published monthly by the COMMODORE USERS' GROUP OF SASKATCHEWAN (CUGS), Regina, Sask., Canada. CUGS meetings are held the FIRST WEDNESDAY of every month (unless otherwise noted) at McDonald's on 6210 Rochdale Blvd. The next meeting will be held: **April 3, 1991 from 7:30 - 9:30 p.m.**

CUGS is a non-profit organization comprised of C64, 64C, C128, and 1280 users interested in sharing ideas, programs, knowledge, problems and solutions with each other. The more members participate, the better the variety of benefits. Membership dues are pro-rated, based on a January to December year.

Anyone interested in computing is welcome to attend any meeting. Out of town members are also welcome, but may be charged a small (\$5.00) mailing fee for newsletters. Members are encouraged to submit public domain software for inclusion in the CUGS DISK LIBRARY. These programs are made available to members. Any member is entitled to purchase DISKS from our public domain library for a nominal fee. Programs are 'freeware', from computer magazines, or the public domain. Individual members are responsible for deleting any program that he/she is not entitled to by law (you must be the owner of the magazine in which a particular program was printed). To the best of our knowledge, all such programs are identified in their listings. Please let us know if you find otherwise. Contact our club Librarian, Keith Kasha.

Editorial

By

Jarrett Currie

Before I begin this month, I would like to clear up any confusion about the GeoAd that appeared in the last month's Monitor. I frequently use QLink, and Berkeley (the makers of GEOS) have a section devoted to them. They left the advertisement that appeared in the Monitor in that section. One member called me asking why the address listed was different than the one he had for them. Unfortunately, I could not give an answer, but as a word of caution, call the customer service number listed in the advertisement before making any purchases.

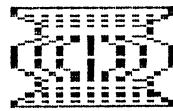
I am sure that I am not the only one that is keeping a keen eye on the happenings in the Commodore world.

Take for example the latest Compute magazine. I have only 2 things to say about it: I was painfully wrong when I thought it would continue to support Commodore as fully as it did in the past, and I am glad that I never subscribed to it. I must admit that I enjoy reading about other computer systems, but when I looked at this month's Gazette, I was more than a little disappointed that these few pages were considered 64/128 support. Quickly becoming a pessimist, I only hope that Run will continue to support us after Compute fails to.

But, on the brighter side, the club is doing some wonderful things. Barry has volunteered to keep up the club's BBS. I am sure this will be a considerable undertaking, and I think we all should thank Barry for his commitment. Naturally, like any other BBS, it can only be as strong as its users. If any of you are interested in trying out BBSing, then by all means, give the new CUGS one a try. If you have any problems, rest assured that if you leave a question, someone will be able to leave a suitable solution.

The club will also be purchasing some backup software and hardware. Many of the club members have some sort of copying program to backup the software they use, but as most are aware, very few copying programs can backup all the software. Hopefully, with Maverick and RamBoard, we will be able to finally duplicate those pesky titles. In my own collection, I have been able to backup most of what I wanted, except for Paperback Planner, which is the best spreadsheet program written for the C128. But, for whatever reason there might be, the company that created it decided to put copy protection on it. Copy protection on a game is forgivable, but not allowing backups of application programs is ludicrous. Setting up any type of serious data with an irreplaceable program that is susceptible to being destroyed is like playing Russian roulette.

Our club continues to prosper, and as the editorial of the club's newsletter, it is my sincere wish that it continues to prosper as well. I hope that each and ever one of you reading this Monitor is working on your submission!



President's Message

Hello all and welcome again to another CUGS meeting. I hope we all get what we are looking for when we attend these meetings. The executive has tried to please the majority of the members and has done a good job of it so far. We cannot feel that we have pleased everyone, as it is next to impossible. The agenda for the May and June meetings have not been filled as of late. I would like to ask YOU the member to suggest an idea for the May and June meetings. Let any of the executive know about it as soon as possible to allow time to prepare for it.

The March meeting will see Earl Brown showing off his new and improved 1990 income tax program. Earl has been working on this program over the years and has steadily improved on various sections of it. He tells me that he has incorporated a save routine in order for you to save your data from one year to the next, and several other updates. Real Charron will be showing off the newest program he purchased that takes advantage of the Video Display Chip (V.D.C.) RAM on his upgraded 128. This program has a very high resolution that approaches that of the Amiga.

The meeting in April will have Ken Danylczuk explain some of the mysteries of disk copy protection schemes. This is one meeting I do not want to miss as I have always been mystified by the program manufacturers passion to prevent the end user from copying their programs. I know of a few schemes but they were the earlier ones and I hear they are easy to break.

Our club is growing slowly, member by member and our meeting room is being squeezed to the limit. When we decided to use the McDonald's community room, we planned on about 25-30 people attending. It seems we under-estimated. The room has been filled to capacity and during the last meeting in

AGENDA

-- March 6 --

Presentations: Income tax program
by: Earl Brown

I PRINT

by: Real Charron

Door price

-- April 3 --

Presentation: Copy protection and parameters
by: Ken Danylczuk

Door price : \$30 gift certificate

February, we needed to find a few extra chairs to get everyone seated. If our club is to survive, we need to find bigger and better places to meet. So on this note, I call to all members to be on the look out for a room that is able to seat about 50-70 people.

Right now, we cannot be too choosy, but it would be desirable for all who attend to meet at some central location. The more desirable places would be in school class rooms or better yet, in a lecture theatre (dream on). It would be nice to have a place that has a projection TV so that presentations can better be seen (dream on some more). Perhaps one of our members knows of a business place that has a sort of board room that will allow us to use for a nominal fee. If you know of a place, or think you know of a place, even if you think you thought you knew of a place, let one of the executives know about it so we may be able to check it out.

In other news, I will be unable to attend the March meeting. Gord Williams will be up at the front getting the show on the road. Thanks Gord. Also, the club has decided to set up another BBS for club members. This board will be open to the public. The BBS will probably be the same as what Excalibur uses and will be set up the same way. Club members will have extra reserved areas for their use. This does not mean that Excalibur will not continue to support CUGS members. On the contrary, Excalibur along with the new one will compliment one another.

The purpose for the second BBS is to have a backup BBS to call for all the articles the members bring in (ha ha). Seriously though, Yves (the Sysop of Excalibur) has been out of town for extended periods of time and had to shut the board down in his absence. Any BBS should be taken down (even the new one) if the Sysop is not around in case of trouble (such as lightening, etc). Having 2 boards effectively doubles your chances to get logged on and to use the boards. Excalibur will remain as it has in the past and will remain as a second BBS for the club, a backup as it were.

At the same time, if the new BBS is busy or I were to go out of town for more than a few days, Excalibur will be up and running and be able to provide continued support. The new CUGS BBS number is 543-7683 or 543-PROUD (8/N/1) 300-1200 baud. The BBS should be up and running by the time you read this.

Also, the club has decided to purchase a copy of Maverick V5.0 for club and member use. Maverick was demonstrated as one of the better copy programs for the Commodore 64. Also we will soon be purchasing RAMBoard for one of our drives. With RAMBoard and Maverick V5.0, we can offer to club members only a copy service to back-up software programs previously uncopyable in the past. The most popular program series Pocket Writer, Planner and Filer are next to impossible to copy, but not for Maverick and the RAMBoard. There are several hundred programs that are copyable by Maverick and very few that are not so we feel this is a worthy addition to the club. We do not want this service to become a pirating mess, so a few rules should be outlined.

-Only original programs will be copied, and only one copy made from it.

-The copy is for the sole use of the owner of the original.

-The copy cannot be sold, given to another person or otherwise distributed in any way.

I hope the club members take advantage of this service as I am sure I will. I have several children under the age of 6 and they do not appreciate taking care of their own expensive belongings let alone a delicate thing like a floppy diskette of Dad's. The service will start when the program and the RAMBoard has been ordered and installed. Stay tuned to this channel, same time, same place for future announcements.

wanted wanted wanted
wanted wanted wanted
wanted wanted wanted

Used C64 Printer

Price Negotiable

Call Connie 585-0920

Regina Public Library "Dial-a-book"

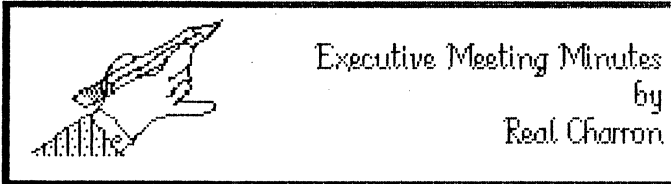
by Shaun Hase

Remote Access to the RPL's Online Public Catalogue

The Regina Public Library (RPL) has had the RPL's Online Catalogue available via modem since last fall. The system, called VUCAT, allows anyone with a computer/modem to call the library and access the Online Catalogue. Since this isn't a training article, I won't be going into specifics on how to use the catalogue. The RPL has brochures that tell you everything you need to know. Although there is not online registration and registration is not necessary, the library has Registration Forms available that they would like you to fill out and return to them for their information.

The phone number for the Online Catalogue is 347-0463 and is accessible at any time, although item status can only be obtained when the circulation system is available. The terminal settings required are: 7 data bits (word bits), 1 stop bit, and even parity. The baud rate can be 300, 1200, 2400, 4800, or 9600. An 80-column screen is definitely recommended as the text is formatted for 80-columns, but not required. No special emulation is required. The Online Catalogue via the modem as a straight ASCII connection. Set your backspace/delete key to be chr\$(8). Don't try to have the screen clear by adjusting the screen clear commands at your end. After using the system for a while and having all the control characters displayed as the text scrolls, a control-v was sent everytime a new screen appeared, BUT a control-v was also sent everytime you pressed the delete key. Everytime you pressed the delete key to fix something up, you ended up clearing the screen and not really accomplishing anything.

After dialing and connecting to the system, press the return key a few times, a second or two apart. The



February 11, 1991

Barry went through the mailbag.

Barry and Jarrett to print 15 copies of the CUGS disks catalogue for the next meeting.

Barry to purchase a good surge protector for the club computer.

Real to purchase Maverick v5.0 and the RAMBOARD for the 1571 drive. Make sure it copies 1541 disks.

Barry to install a dedicated phone line at his residence to support the CUGS BBS.

Meeting room discussed: The executive will search for possible alternatives.

Keith to print labels for the club.

CUGS disks library on disk discussed: It was tabled.

Executive meetings on Mondays was approved by the majority.

Barry on holidays the first two weeks of March. Gord Williams will chair the March general meeting.

Ken to introduce new members before the door prize draw.

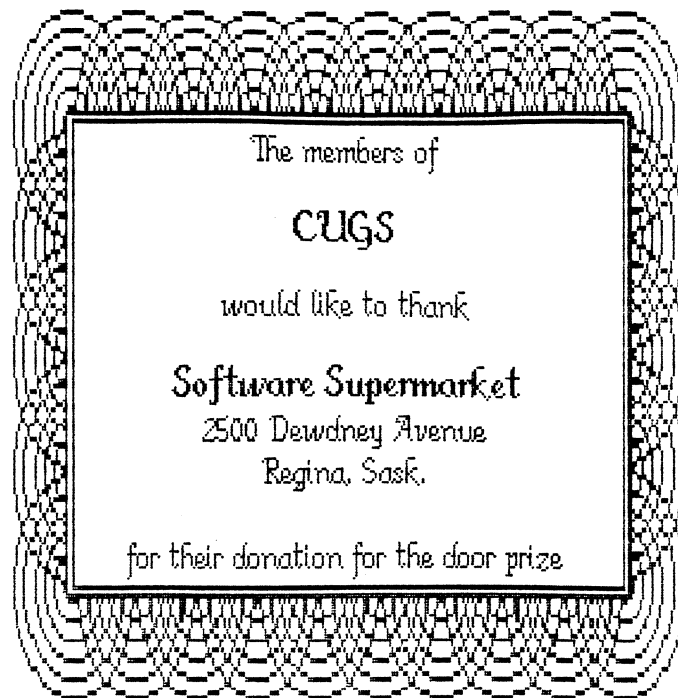
connection should be made and the welcoming messages will be displayed. From there on, just do as you would if you were at the RPL using their terminals. As an example, say you wanted to look up all information on the commodore 64. First you would type CAT (begin a new CATalogue search), then type SUB (for a SUBject search), and then type COMMODORE 64. If your subject is found, then it will display all of the matches it has found. In this case, the computer found this:

```
Your subject: commodore 64 matches    3 subjects

No. of citations in entire catalog
  1 Commodore 64 (Computer)           14
  2 Commodore 64 (Computer) -- Amateurs' manuals.  1
  3 Commodore 64 computer -- Programming.         58+
```

You would then either enter the number of the the subject match you wish to see. There are other alternatives to doing this and as I don't want to drag this out by explaining to you how to use the system, I'll leave it at that. About the only other thing you really need to know is that when you are done using the system, enter END. This signs you off the system and drops the carrier. The RPL mentions doing this about three times in their brochure. One hint: you can stack commands by using the "/" (slash) character. So, using the above example, typing CAT/SUB/COMMODORE 64 will get you right to the listing above. Saves quite a bit of time, especially running at a low baud rate.

About the only problems I have had when using the system is that sometimes the lines of text are longer than 80 characters. The best thing to do to have "formatted text" is to have your terminal package strip the ">" (greater than) character. It isn't a necessary character and removing it will shorten the lines and stop the screen from scrolling part of the lists. Also, depending on your terminal package, incoming linefeeds may or may not be needed. It takes a little while to get your computer set up and used to how the system works, but it does save time.



PD Disks
by
Keith Kasha



I think it might be helpful to the membership of our group if a series of articles were written describing the wealth of public domain programs in our library. While it is not my desire to discredit the contribution by others in the club who have written such articles, this is my own contribution (establishing a column for this purpose) to this worthy endeavor. Let's see others contribute to this column, so we all may reap the rewards of knowledge.

Yellow Pages Directory Organizer

Written by Rick Morris
Subroutine help from Jeno Horvath

Yellow Pages is a 64 program that allows you to reorganize and rewrite a disk's directory.

When you run this program it offers to give you a summary of the commands or to continue with the program. It then asks you to insert the disk to be sorted and to press a key when ready. After doing so, the directory of the disk is read into memory and displayed in the column on the left. The right column is

the directory you make. The line above the columns is the file type and length of the file and the top of each column.

The program lists the files on the disk in three different colours: red files are locked, yellow files are scratched, and white are normal directory entries.

Pressing RETURN moves an entry from the top of the left column to the bottom of the right. Pressing the INST/DEL key moves an entry from the top of the left column to the top of the right. SHIFT-INST/DEL moves it back. Pressing the "R" key restores the left column back to the original directory. The cursor keys moves the old and new directories up and down. "L" & SHIFT-"L" lock and unlock a file. "S" & SHIFT-"S" scratch and unscratch a file. Pressing the space bar puts a separator at the bottom of the right column (more on this later). Pressing "C" will allow you to change the filename and "W" writes the new directory to the disk. The program will ask you if you're sure before performing this command in case you hit it by accident. Pressing the RUN/STOP key will return you to BASIC. All of the above commands work on the top entry in the right column.

Be sure to always validate the disk after rewriting the directory. The program leaves the command channel (15) open using the file number 15 and returns you to BASIC after writing the directory to disk. So, to validate the disk simply press either SHIFT-CLR/HOME or RUN/STOP-RESTORE and then type in the following simple command: PRINT#15,"VO":CLOSE15 and press RETURN. The disk will be validated and the command channel closed.

Now more about the separators mentioned above. Pressing the space bar inserts a zero block USR file after the entry at the bottom the the right column. It is given a length of 0 and a filetype of USR to remind us that it should be loaded.

Next month we'll look at a program for the 64 called Disk Maintenance.

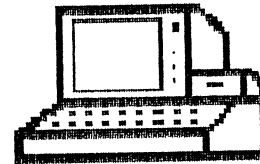
FIGHT THE GST!

Instead of paying the government GST for new printer ribbons get them RE-INKED!

ONLY \$3.00 (GST free)

See Barry Bircher for details.

PRINTER
DRIVERS



By
BARRY
BIRCHER

This is the seventh part in an ongoing series of articles on GEOS. In this article, I will continue on with a discussion on printer drivers.

A printer driver, as used by GEOS, is simply a program that interfaces a printer to the GEOS environment. The basic printer driver is specifically written for one make and model of printer. Each one is written and designed to be used by that brand of printer. When GEOS was first developed and sold, the general idea was to select a printer driver suited for your individual setup and stick with it.

However, this has changed with later releases of GEOS. You are required to select at least one compatible driver to drive your printer. This is not a hard and fast rule and in no way means you cannot use a different driver or several drivers. There are over 70 printer drivers included with the GEOS package so you should not have too much trouble finding a driver that works.

These drivers are rather "plain jane". That is, they all print out in one pass with a draft quality dotted print. Much like a cheap 9-pin dot matrix printer of the early '70's. There are other kinds of printer drivers, but these are usually modified to do some desirable strange thing. I have about 10 printer drivers in my collection for my one printer.

WHY you ask? Well, each one does something different and each one prints differently. I have one that does not do a forced page after a page has printed. That is, even if all I print is a short 2-3 inch document, the regular drivers does a form feed to the next page. Needless to say, this can waste alot of paper. So the NFF (No Form Feed) printer driver prints out draft quality with no form feed. Another driver I use is the 2, 4, and 6 pass drivers (explained below) for better quality printouts. Yet another driver I have and use is one that reduces the printed document by 1/3, effectively size reducing.

On the 64 version of GEOS, the printer driver MUST be on your work disk. On the 128 version, the printer driver is automatically loaded into memory. The one loaded is the one that GEOS comes across first on the "BOOT" disk. Any additional drivers that you may want should also be on your work disk. A printer driver can be called up at any time from the desktop by using the "GEOS" menu at the upper left hand side and selecting the ones available on the work disk. You can always find out easily what printer driver is currently being used as it is named under the printer icon when you are in the Desktop.

One very important recent improvement included in the club's library are several new printer drivers that can overstrike 2 or 4 or even 6 times to give you a NLQ (Nearly Letter Quality) type of print. It brings out a darker, fuller print (even with a well worn ribbon). The way these drivers work is rather neat and a good example of someone's ingenuity. It prints each line twice on a 2 pass driver. That is, one line is printed then the linefeed is intentionally left out and the print head makes a second pass over the first. This causes the print to come out darker.

This looks alot better but still has the "dotty" look to it. Hence, the 4- and 6-pass driver. These work in the same principle as the 2-pass but with one major difference. On the 4-pass driver, each line is printed out twice as before, but just before the next two passes are to be printed, the printer does a micro line feed. A micro line feed is usually less than the width of one horizontal dot. The next two passes are very much the same as the last two, but are slightly off centered. This drastically reduces the dottiness of the print and is very dark. The print is darker and fuller but is rather jagged, or stairstep on close examination.

The enhanced 6-pass driver is much the same as the 4-pass with one major difference. The 6-pass, as you have already guessed, prints 2 lines, does a micro linefeed, prints another 2 lines overtop of the last two and does another micro line feed and prints out another two lines. This is the same as the 4-pass, but this time, the three, two line pair are not dot for dot the same. The driver somehow, through bit twiddling, is able to smooth out the "jaggies". It takes next to forever (about 10-20 minutes) to print out a page but is well worth the wait.

Not all printers can print out 88 Dots Per Inch (DPI). This means that to fully print out the full width of the picture (in Geopaint), you need a printer capable of printing 640 dots a page line (8 times 80=640). Some printers are only capable of printing 60 DPI (Dots Per Inch) and therefore prints only 480 dots of the full 640 expected. This causes the rightmost part of the picture to be cut off and unprintable. If yours is a 60 dots per inch printer then you will be missing the rightmost 1/4 of the picture. It can be overcome by avoiding drawing the right most 1/4 of the drawing screen.

Also in the Version 2.00 package comes a program that converts your printer driver into a paint driver and a paint overlay driver. If you were confused before, I would suggest you skip this and go to the next article. Each of

these are to be used just like a printer driver. These drivers are very similar but have very distinct characteristics. And neither has anything to do with a printer (confused now?). With the paint overlay you can print out your GeoWrite document as you normally do to a real printer, but the driver instead prints out the geoWrite document to a disk file NOT TO THE REAL PRINTER. This disk file is the same only it has now been converted to a geoPaint document. Simply put, it has been converted from text to a graphic equivalent and ends up becoming a geoPaint file. With this option you can convert a geoWrite file to geoPaint and then add graphics around your text.

With the paint overlay driver you can overlay several files on top of each other. So with a little foresight you can print out 2, 3, 4 or more columns over each other and end up with very professional looking, multi-column documents. The driver simply converts each file to geoPaint and saves it on top of any thing that may already be there. By setting the tab and/or the left/right margin settings to correspond to the columns you select, you can print out a 4-page document and create a 1-page 4-column newspaper-like document. Add a few graphics, and you have a newsletter. It takes a little (alot) of preplanning but it can and is done. The idea of a simple printer driver has changed drastically since GEOS was first developed.

SCRATCH 'N' SAVE

by Earl Brown

Here it is, Income Tax time again. And, as has happened in previous years, I have prepared the CUGS Income Tax Program disk for all those club members in good standing in our club. This year, however, the General program takes on a new approach. Many of you in the past have requested a method of saving your returns onto a disk. Thanks is here given to Richard Maze for including this routine into this year's 1990 GENERAL program. You now can save your variables as well as load them into the program itself or independantly into the +PRINT PROGRAM. The GENERAL program also includes (menu driven) a method of reading disk directories, as well as a method to FORMAT (NEW) a disk, in case you forget to format a disk before you run the program. Mind you, there is plenty of room to save several returns on the CUGS INCOME TAX disk itself. Something most of us will more than likely want to do. I wish, at this time, to also thank Byron Adams for his contribution in reducing the original block size of the program so that the save routine could be added to this year's program. He also included a unique edit routine (which I slightly modified) to make any changes to your return easier to do. With it, if you load new variables from disk, you can easily press the left arrow key either in the main menu mode or in the edit mode and get a screen printout of the actual file ID etc. of the file you loaded into the program. Continuing to press the left arrow key will

Scratch 'n' Save

by Keith Kasha

advance you on to other parts of the program. Thanks Byron for this routine. The 1990 SPECIAL program has not been altered. It has been updated for the 1990 return but does not include the "save" or "edit" routines which the GENERAL now does include. Switch to the GENERAL if you want access to these routines.

Along with the INCOME TAX program disk, I have also included two new GEOS DISKS 15 and 16 (ID #'s EO and EP) as well as two program disks from RUN MAGAZINE. The first disk contains programs from the November 1990 issue of Run as well as the December 1990 issue. The second disk contains only three programs. These programs are from the single Jan/Feb 1991 issue of RUN and will eventually make their way into our regular disk library as all our programs do.

How many of you ever shop at the Real Canadian Superstore? Did you know about the computer hardware you can purchase at this store? For example, on Saturday when I was there, I made a list of prices for a few items in this department. Most of the prices are their regular retail price. A few are specials that they offer from time to time.

Boxes of 10 3 1/2" DSDD disks

NoName (white)	\$12.88
JUC	8.98
TDK	14.28
TDK colored	14.88
FUJI	14.88

Boxes of 10 5 1/4" DSDD disks

NoName (white)	\$4.88
JUC	5.98
TDK	8.98
TDK colored	8.98
FUJI	7.98
BASF	6.98

Head Cleaner kit (for 3 1/2 and 5 1/4" disks)	\$4.48
120 5 1/4" disk storage chest (with 2 keys)	9.98
40 3 1/2" disk storage chest (with 2 keys)	4.88
2500 sheets of 9 1/2 X 11 printer paper	24.98
500 sheets of 9 1/2 X 11 printer paper	6.48

New Club Disks 64

GRAPHICS 21	graph maker
gladiator/speman	sprint ii/sprint doodler
kaleidoscope	needlework editr
swinth	imp borders 1-4
mactogeos	big screen
macview	dgraph/dgraph printer
MacAttack	mirrors
koala driver64	v-8
nibbler.c64	
geoslides	
aquarium	

New in the library this month is Graphics 21. This disk contains some interesting graphics + sound demos as well as some good graphics utilities.

I'll let the demos speak for themselves, so try them! Included in the way of utilities are some viewers to display your favorite Mac or Koala pics and a Mac to GEOS conversion utility. Also included are 4 graphics subroutines that can be used to spice up the look of your own BASIC programs and a 3-d bar graph creator!

But, the best of all is the 5 graphics programs which you can use to create your own graphic pics with! You'll have to experiment with them yourselves - I didn't have time to delve into them too deeply, although what I could see was impressive! The best of the three that I could see was "v-8", described as a "turbocharged" graphics program! So check it out and have some fun, fun, FUN!!!

New Club Disks (128)

CUGS INCOME TAX #90
 1990 special
 -print program
 1990 general
 +print program

newtools does
 newtools demo
 nt2 christmas
 handy import
 christmas 1
 christmas 2
 ps.patch 2.0
 eps insert text
 sneaky snake
 demoutilities

CUGS GEOS 15 #EO
 geosidplayer
 sid
 printer
 music font index
 musical notes
 melody
 melody symbols
 melody font dox
 do-re-mi
 jeannie
 stars&stripes
 bach.format
 czlibrarian
 czlibv1.info
 czeditor
 czedv1.info
 melody sample
 jinglebells.mus

CUGS NOV/DEC 90 #RUN
 printer 64/128
 plaque man
 macro mania
 text fx demo
 text fx window
 text fx fill
 text fx boot
 prequalify
 gridrunner
 super bee 64
 u.s.a. map/128

CUGS GEOS 16 #EP
 newtools
 nextutools.80

CUGS JAN/FEB 91 #RUN
 menu 64
 envelope addr
 battling boys
 buttons demo