

# TPUG Newsletter

Views and News of Toronto Pet Users Group, Inc.

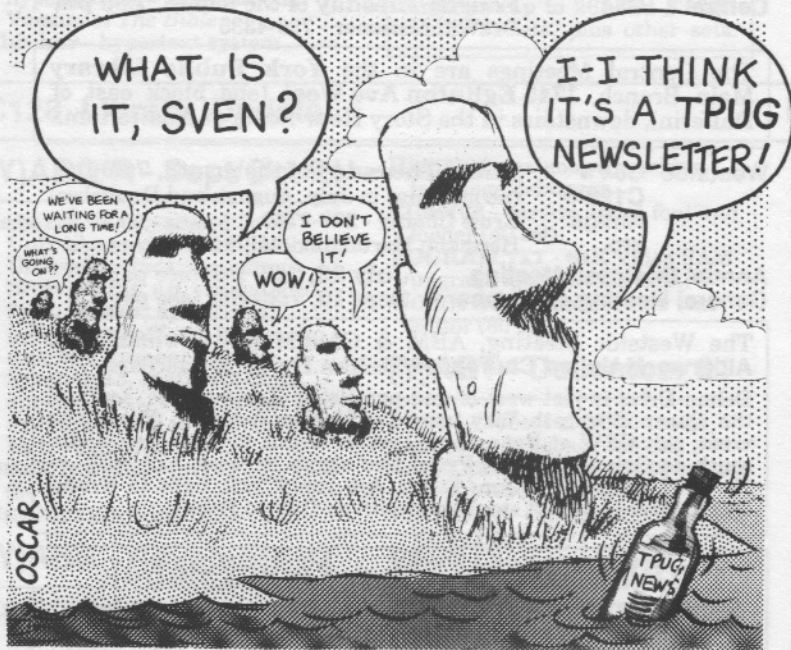
5334 Yonge Street, Box #116

Willowdale, Ontario, M2N 6M2

(416) 253-9637

Volume 4, Number 4

Spring 1992



For users of all  
Commodore Computers

- ★ **Amiga**
- ★ **C128**
- ★ **Plus/4**
- ★ **C16**
- ★ **C64**
- ★ **VIC 20**
- ★ **B128**
- ★ **SuperPET**
- ★ **PET/CBM**
- ☆ **PC/MS-DOS**

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Commodore Business  
Machines International

## Learning To Have Fun

In February, Ontario Education Minister Tony Silipo released provincial math test results which he called "troubling". Toronto students generally rated below the rest of the province, and Ontario students below other countries.

The validity of the comparisons have been disputed, but the school boards have announced plans to reexamine their curriculum and teaching methods.

Many educators say that the home influence is as important as the school's. Appropriate use of computers is more beneficial than watching cartoons. Many programs like the Carmen Sandiego series, Sim City and many others are immensely enjoyable forms of education.

TPUG has an extensive library of educational programs for the C64, C128, and PET, and some programs are available for the Amiga. The C64 Education Catalog lists 20 disks of programs customized for the C64. The PET Education Catalog describes 58 disks. Many of these programs also run on the C64 (some need "PET EMULATOR"). This summer might be a good time to put some of them to use. *Ian*

## Table of Contents

Learning To Have Fun	1
Members' Information	2
News	3
To Re Or Not To Re?	4
The 128 Corner	5
Letter	5
Perfect Print Review	6
BBS Meeting	6
Annual & General Meetings	7
Order Form	8
At The Meetings	9
Adventures With Commodore	10
Want Ads	11
Library Updates	12
The Teachers' Corner	14

## Member Information

### Voice Info

(416) 253-9637

Please leave a message

### Membership Rates

Canada . . . . . \$25  
USA . . . . . US \$25  
International (air mailed) . . . . . US \$30

To join, send the form on page 8

### Board of Directors

President . . . . . Ian McIntosh  
Vice President . . . . . Ernie Chorny  
Secretary . . . . . John Easton  
Treasurer . . . . . Al Farquharson  
Past President . . . . . Walther Melamet-Vetter  
Director . . . . . Carl Bannenberg  
Director . . . . . Hermann Hartmann  
Director . . . . . Michelle Hyland  
Director . . . . . Paul Kreppenhofer  
Director . . . . . Dug Rodger  
Director . . . . . George Skinner

### Librarians

Head Librarian . . . . . Ian McIntosh  
Amiga . . . . . George Skinner  
C128 . . . . . John Milligan  
GEOS . . . . . Tim Hyland  
C64 . . . . . Dug Rodger  
C64 Education . . . . . Bill Cumberland  
Vic 20 and COMAL . . . . . Ennio Cellucci  
Plus/4 . . . . . Al Weinstein  
PET/CBM/SuperPET . . . . . John Easton  
PET & C64 Education . . . . . John Easton  
MS-DOS . . . . . Hermann Hartmann

### Support

Mail . . . . . George Skinner  
Telephone . . . . . Ian McIntosh  
Disk Orders . . . . . Librarians  
Member Records . . . . . Paul Kreppenhofer  
Meetings . . . . . Wilf Meissner  
and Ernie Chorny  
Shows . . . . . Ian and Dug  
Publicity . . . . . Roman Kowalczuk  
BBS SysOp . . . . . Sylvia Gallus  
Q-Link SysOp . . . . . Dug Rodger  
CRS SysOp . . . . . Dug Rodger

### Newsletter

Editor . . . . . John Easton 251-1511  
Asst Editor . . . . . Ian McIntosh 757-4628  
Cartoons . . . . . R. Kowalczuk 462-3168

## Meeting Schedule

**Central C128** **First Tuesday** of the month, **7:30 pm**  
(no meetings July and August)  
Ray Whidden - 297-0763  
John Milligan - 694-1636

**Central Amiga** **Second Tuesday** of the month, **7:30 pm**  
(no meetings July and August)  
George Skinner - 225-8538

**Central GEOS** **Third Tuesday** of the month, **7:30 pm**  
Dug Rodger - 588-9071

**Central C64** **Fourth Tuesday** of the month, **7:30 pm**  
Dr. Wilf Meissner - 789-4335

The Central Meetings are in the **York Public Library Main Branch, 1745 Eglinton Ave West** (one block east of Dufferin), downstairs in the Story Hour Room or Auditorium.

**Westside C64 + C128 + Amiga etc** **Third Thursday** of the month, **7:30 pm**  
(no meetings in July, August, and December)  
Ernie Chorny - 279-2730  
Hermann Hartmann - 459-9436

**Annual Business Meeting** **July 23, 7:30 pm** (see page 7)  
**General Meeting of Members** **Sept 10, 7:30 pm** (see page 7)

The Westside Meeting, ABM & GMofM are downstairs in **Alderwood United Church, 44 Delma Drive, Etobicoke.**

Delma Drive is just west of and parallel to Browns Line, south of the Queen Elizabeth Way, north of Horner Avenue. **From the west, exit QEW at Evans Ave, east on Evans to second stoplight, south on Gair to Delma. From the north or east, exit QEW or Hwy 427 to Browns Line / Evans Ave ramp, exit right to Evans, west on Evans to first stoplight, south on Gair to Delma.**

### TPUG BBS

main 273-6300  
alternate 733-2933

*Please use 273-6300 unless using 733-2933 avoids a long distance call.*

300 / 1200 / 2400 bps  
8 data bits, 1 stop, no parity  
PunterNet Node 2  
Type "?" at prompts for help  
Password not required

### Quantumlink

The TPUG SIG is located in the  
Commodore Information  
Network User Group  
Support Center

TPUG signon is TPUGMAIL

### Canada Remote Systems

TPUG conference via "J 74"  
TPUG signon is TPUG SYSOP

*TPUG Newsletter is published quarterly by the Toronto Pet Users Group (TPUG) Inc., a Commodore computer users club. TPUG is a volunteer non-profit corporation dedicated to the service and support of owners and users of Commodore computers.*

*All rights to material published in TPUG Newsletter are reserved by TPUG, Inc. and no material may be reprinted without written permission, except where specifically stated. When reprinting is authorized, please credit TPUG Newsletter, the issue date, and the author.*

*Articles, letters, tips, questions, cartoons, etc are welcome. Send hardcopy or disks "Attn: TPUG Newsletter", or use our BBS, PN, Q-Link, or CRS. Advertisements are also welcome. Members' small ads are free. Commercial ads are \$200 per page with a \$25 minimum.*

### Board of Directors Changes

The Annual Business Meeting announcement is on page 7. All members are encouraged to attend.

There have been changes to the board and executive since last newsletter.

Danny Forget resigned at the November 28th board meeting, because of increased job and family responsibilities. His hard work helped in many areas of club operations, including libraries, disk and paper catalogs, disk orders, club and technical information, order invoicing, mailing, and membership records.

Also at the November 28th meeting, Roman Kowalczyk was removed as Secretary. John Easton is the new Secretary.

Art Evans resigned at the January 23rd meeting. His common sense and his hard work keeping our mail and banking organized were appreciated.

Roman Kowalczyk resigned in May. He has contributed to many club activities, including shows, telephone answering, publicity, and the newsletter.

On May 28 George Skinner and Carl Bannenberg were appointed to the board. Both have helped at many shows. George, a former C128 Chapter Chair, currently is the Amiga Librarian, runs the Central Amiga Chapter, and handles incoming mail.

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### Librarian Changes

John Easton has expanded his PET / CBM librarian role to include disk duplication and will also handle the SuperPET and Education libraries.

John Milligan, our C128 librarian, has also taken on the CP/M library.

Ennio Cellucci has joined the team to look after the VIC 20 and COMAL, Al Weinstein is our new Plus/4 librarian, and Hermann Hartmann is now the MS-DOS librarian.

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### Disks Off Track!

Some or all of the C64 / C128 disks sold at WOCA are defective. A disk drive failure meant track 1 wasn't copied. Since the directory is on track 18, just listing it will not detect the problem. On most, one or more programs will either not LOAD or will not RUN.

The show copy of Amiga disk (A)TAG caught the "Not tonight, I've got a headache" virus last fall. Several of the dozen anti-virus utilities on the (A)U5 "Just say NO!" to viruses disk provide a cure.

If you bought a disk from us and have problems with it, return it and we'll replace it. *Don't forget to include your name and address.*

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### TPUG Telephones

We have three phone lines:  
253-9637 is now our only voice line. It is normally call forwarded to some volunteer's home or office.

273-6300 is our main BBS line, in Mississauga.

733-2933 is always call forwarded to the BBS. Each call costs us 11 cents, so only use it if calling a Toronto number instead of a Mississauga one will save you from paying long distance charges (eg, if you live in Pickering or Markham).

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### New Catalogs

For many, the arrival of the Christmas catalog, and especially its toys and games section, has been the inspiration for dreams. This year TPUG joined the tradition by producing three new catalogs in time for WOCA and Christmas.

The GEOS catalog is 4 pages and free on request.

The new C128 catalog disk includes a browsing / searching / sorting / printing program, and costs \$3.

The TPUG Amiga catalog is 12 pages and costs \$1. This describes TPUG's own Amiga disks.

Too late for Christmas, but a good start for the new year was the new two disk **Aquarium** describing 580 Fred Fish AmigaLibDisks, with searching and printing. The special price is just \$5 for the two disks.

Another January arrival was the \$3 CP/M catalog disk, with browsing, searching and printing tools. A flippy C128 / CP/M dual catalog is just \$4.

In May we brought out a VIC 20 catalog addendum (\$1). A new C64 catalog will be available soon for \$3.

The catalog of your choice is free when you join or renew - just check the right box on the membership form, or write it in on the disk order form on page 8.

In some cases multiple catalogs are now packaged together - the Amiga option includes both TPUG's and Fred Fish's, the C128 option includes CP/M, C64 and GEOS, the C64 option includes GEOS, and the SuperPET option includes the PET catalog.

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### Metropolis Offer

Metropolis has offered all TPUG members 5 hours of free online time, as well as a TPUG area including online meetings. Details will be announced when they have been finalized.

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### NTC Software Offer

NTC Software, 12 Southlawn Drive, Scarborough, ON M1S 1H8, 292-9000 (at Kennedy south of Finch) has given us Preferred Customer discount cards worth 10% off all software. NTC carries C64, Amiga, MS-DOS, Apple and other software. Call or write TPUG for your discount card.

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### TPUG At The Shows

Recent shows include Computer Fest Feb 21-23, and Computer Fest East April 10-12. Bill Rayside of Oakville won the **FREE MEMBERSHIP DRAW**.

The club exhibited at the Computer Fest East show in Pickering last November. On the Sunday of that weekend, we were in two places at the same time - we also exhibited at the Ontario Computer Fair at the St. Lawrence Market North in downtown Toronto!

Earlier, on September 29, we had spent an enjoyable day at the OCF in Markham.

We were unable to attend this spring's Ontario Computer Fairs in Burlington, Ottawa, London and Welland in May and June.

The big event, of course, was World of Commodore / Amiga December 6 to 8. Roman Kowalczyk put on a Telecommunications seminar. Our booth was a little larger than last year's, and definitely louder!

## Voice News Line

It has been suggested that we set up a phone line and announce-only answering machine to provide club news and meeting schedules. The messages would be updated weekly (and also available on the BBS). If messages were kept under one minute, long distance charges to access it would be minimal. Brief

## Commodore and Dealer News

### Commodore News

The Amiga 600 was announced recently in Brussels. It should be available by fall. There is no numeric keypad, so it is smaller than an A500. Inside are the latest chips (for up to 2 MB chip RAM, extra display modes, etc), an internal TV RF modulator, and a *hard disk drive*. The A601 memory expansion unit plugs into the bottom to upgrade RAM to 2 MB. Instead of a A500-style expansion slot on the left, there is a slot for PCMCIA / IEDA standard credit-card style memory cards. The back has all standard Amiga interfaces. AmigaDos 2.05 is included.

In Europe the Amiga 500 was replaced by the A500 Plus last fall. Compatibility problems were reported with some software.

### Dialog 128

This full featured 80 column terminal program is now available from **Triple Point Software**, Box 369, 253 College St, Toronto, ON M5T 1R5, or from TPUG.

### Amiga Video Magazines

**BreadBox** (859 N. Hollywood Way #225, Burbank, CA 91505, (818) 505-1464) deals exclusively with the Video Toaster.

**AVID** (415-112 N. Mary Ave #207, Sunnyvale, CA 94086, (408) 252-0508) covers Amiga video & toasting.

**Camcorder Desktop Video** (4880 Market St, Ventura, CA 93003 (805) 644-3824) deals mostly with camcorders and desktop video. The February issue included *First Look At DPaint IV* and *"TOASTING" With Less Bread*.

**Amigator** (P O Box 26026, Nepean, ON K2H 9R0) is a bimonthly newsletter about animation on the Amiga, for \$15 in Canada, \$17 USA, \$20 elsewhere.

## To Re Or Not To Re?

In these difficult times many of us must carefully consider our priorities. Whether you are a member of TPUG or some other group, part of your evaluation of it should be that access to inexpensive Public Domain software through the club is one of the best deals around. These programs and the information available through meetings, newsletters, telephone and letters helps you spend your money and efforts wisely, enjoy yourself, and preserve the value of your investment in computers.

All our volunteers have worked hard this year to improve the club and what it can offer. A few of their recent accomplishments are mentioned in the *TPUG News* and *At The Meetings* sections of this issue.

ads might help offset expenses. If you have an opinion, please contact the Board.

## 1992 TPUG Calendar

We have a single page calendar showing all meeting dates and locations, and a variety of computer shows. Copies will be available free at many meetings and shows, or by mail on request.

## PET Equipment

Ronald Snyder has bought out a distributor and has NEW 8023P printers, NEW 8250 drives, plus lots of used equipment and parts, and software. For more info, contact him at (303) 751-3247, or via **US PET Support**, 1192 South Nome Street Suite 'B', Aurora, CO USA 80012. A dollar for postage would probably be appreciated.

## Holz and CMD

For a CMD catalog with Canadian pricing so you don't have to pay over 20% exchange plus cross-border shipping, send a 65 cent stamped self-addressed #10 envelope to **Holz Computer Supply**, Box 47008, Dover PO, 3525 -26th Avenue SE, Calgary, Alberta T2B 3B7. Holz also carries Amiga products like the 21 MB floptical drive.

Holz has a *limited time special offer* for our members. Until the end of August, Holz will pay the GST. There's no PST in Alberta, so Ontario residents will save 15%. Plus, Holz will pay shipping! You **must** send Holz your TPUG membership number for this special deal.

## Modems Diskettes & More!

**J.P. PBM Products By Mail**, PO Box 1233 Station B, Weston, ON M9L 2R9 has Aprotect modems, cartridge expanders, C64s, C128s, disk drives, monitors, printers, ...

## VIC 20 Cartridges

**Computer Express**, 672-5595, 7050A Bramalea Road Unit 13, Mississauga ON L5S 1T1 (at Derry Road just north of the airport), still has a variety of cartridges for the VIC, reduced to \$1.

Much also goes on backstage, whether organizing or answering phones and letters, or handling information requests and orders, preparing for meetings and shows, expanding and documenting libraries, or working to reduce costs.

We'll continue our efforts to improve services and products, and to reduce overhead expenses and avoid waste, but the club needs something from you:

*Tell at least one other person about us!* If you know a way to tell a thousand, even better! Help the many who would like to join us if they knew we existed. Help the club add interest and diversity to our activities. Help yourself too, by sharing costs so we can afford to do even more for all our members.

This is the first article in what will be, I hope, a continuing series about the Commodore 128 - or, as it has oft been described, the greatest 8 bit computer ever made. Unfortunately, as most of its users are aware, the C128 never really had a fair shake from the software development industry in the past, and now has been virtually abandoned by most of the commercial publishers.

But not completely! There ARE still some new things coming for C128 users from SOME developers. On the non-commercial front there are even more things happening. This column will focus on the positive side and try and keep you abreast of the latest developments from all corners.

I would also like to hear from you the user. Let's have some interaction! Got some neat tricks? Come across something that others would be of interest to others? Or maybe you'd just like to 'chat'? Need help with something? I don't like to use the word expert in the same sentence as computer, but we have a few people who are, collectively, experienced in just about every facet of Commodore 8 bit computing. Write, call the BBS or the TPUG conference on Punternet, or better yet, if you live in the Toronto area? Why not come out to one of our meetings? (Time / place details are on page 2).

What goes on at our meetings? Well, we have a fairly small, informal, group and we try to vary the subject - here is what we have done at some recent meetings ... In November we had a look at UNIX 128 - this is something I would have considered almost impossible not too long ago. UNIX, on a C128? UNIX is for BIG computers! OK, so UNIX 128 is not a full implementation, and it is far from perfect, but it IS a

heck of a project, and an interesting learning experience - developed by Gregg Reidel, who is a student at SUNY/Binghamton. (Available, by the way, on TPUG disks (Y)ABQ and (Y)ABR).

The December meeting featured telecommunications, and we had a session on GENIE, using WIZARD, the special 'front end' program specifically designed (by Bill Coleman of GEOS fame) for use on GENIE with a C128 (there is a C64 version, too) - we also had a look at the dazzling RSCards program which features 80 column high resolution (64k) colour video for online games such as poker, blackjack, reversi and chess. This program was also adapted for the C128 by Bill Coleman, and the word is that most of the people around GENIE did not believe it could be done on a C128! The secret behind making it work, on any computer, is that ASCII data is transmitted over the modem and the the graphics are generated in YOUR computer. Saves sending a whole bunch of pixel information, neat! We also had a session on Canada Remote Systems using Dialogue 128.

At the January meeting we cheated a little bit by using C64 mode for most of the evening. We used digitizers (VideoByte and ComputerEyes) and a video camera to 'capture' pictures of all present. We included the ComputerEyes GEOS program (in C128 mode) which captures a GeoPaint image directly.

We hope to have, in the not-too-distant future, Jim Butterfield come and entertain us again and teach us more tricks in his delightful, inimitable style. *[JB was at the April & May meetings - Ian]*

These are the kind of things we do at the TPUG C128 meetings. If you live in this area, why don't you join us sometime?

## Letter

This is for publication to all the membership of TPUG.

I recently purchased a complete second hand Commodore C-64(C) system including a 1541 disk drive, power supply, cables, printer and a large box of software that weighs - I would guess - in excess of 30 pounds. All of this cost me only \$20 American at a local thrift store. Not a bad buy. I'm typing this letter out on that very same C-64 just to make sure it works OK. This is the fourth C-64 I've bought since 1983 and a few months ago I picked up an old B-128 at a local swap meet at a similar bargain price. You can rest assured that my interest in Commodore computers is just as strong today as back in 1983 when I purchased my first C-64.

My C-64 was an important part of computer and electronic education that led to my current high paying and very secure technical position. You can see I'm a devoted follower of these very basic machines that are only sold in toy stores here in the Los Angeles area.

Now that I've told of my motivation in belonging to TPUG I have a few questions for the leadership of my users group.

I have not received a Newsletter since the one showing an annual meeting report of May 9, 1991. I would like some news from my computer club. After

all, my computer club has my dues.

One item I think the Newsletter should cover in detail is the financial status of TPUG. How are we doing financially? I would like to think that this users group is going to be around for a few more years.

I understand that TPUG receives newsletters from other users groups. Why is not some of the material printed in these newsletters published in our newsletter? This sharing of knowledge among users with a similar interest could only broaden our horizons and enliven our imaginations.

Finally, I would like more support of the B-128 - a fine business computer that was never given the software support it deserved.

*Jack Bedard*

*Thanks for your concern and support. This year we have suffered a relapse of "TPUG Disease" from five years ago. The main symptom was acute dissent of the Board of Directors, leading to loss of volunteers, ennui, partial paralysis, and lawyers. We are recuperating; a full recovery is expected soon. We intend to survive. We plan more frequent newsletters which will allow more articles, including (but not just) more reprints. An Annual Meeting report with a financial summary will be in the next issue.*

*Ian*

I have received a brand new software package. What follows is more of a first look than a full-blown review, but I am very impressed with ...

### Perfect Print - LQ for GEOS

One of the drawbacks, I have found, to Geos is the quality of print-out produced with my 24 pin Panasonic printer. Sure, there are printer drivers, even the 'advanced' printer drivers with built in smoothing techniques - but none were outstanding, and most were dead slow. I had never found a 24 pin printer driver that had 'draft' capabilities. Life is a little easier with a 9 pin printer - there are various levels of quality available; but the 9 pin drivers do not work properly with a 24 pin printer, not surprisingly, since 9 into 24 does not go.

Enter Perfect Print - LQ for Geos, developed in Germany, by Thilo Herrmann, and marketed in North America by Creative Micro Designs (CMD) - a whole new approach to printing in Geos. Actually, there are two distinctly different techniques, the first is an extension of the conventional printing methods using a standard Geos printer driver. There are about 100 drivers included, 9 pin and 24 pin. You should be able to find at least five that will suit your printer that include low, medium and high resolution, with and without 'interpolation' (smoothing) algorithms. You can easily select the driver you wish to use from the standard Geos menu, and use them with any Geos application. The low resolution drivers provide a fairly quick 'draft' quality and the high quality drivers provide excellent reproduction. Several HQ fonts are provided to replace the standard Geos fonts, eg. Roma HQ, which have been designed to be most compatible with these printer drivers.

But the best is yet to come ... the other part of the package, called the 'Print System' ignores the conventional printer drivers and uses a desk accessory to print directly from within GeoWrite. Specially designed fonts provide optimum performance and a print menu provides maximum flexibility of control over the printing process. The print menu allows you to choose, among other options, 'x' and 'y' values that dictate the quality of the final printout. With a 24 pin printer this can be a resolution of 360 x 360 dots per inch (most laser printers, remember, are 300 x 300) and up to 240 x

216 with 9 pin printers. The high quality printout from my Panasonic 1124 was startling - far and away the best I had ever seen from my printer in graphics mode. I also tried my 9 pin Panasonic 1180 and the results were, in a way, even more startling, since the quality was almost as good! I might add that while these print-outs might be near-laser-quality, the laser printer has a big edge in speed! This is a slow process - in the neighbourhood of 20 minutes for a page! but a slight compromise on quality can make a drastic difference in time, and the draft modes can be quite fast (less than 2 minutes for a page). The manual says that a 'GeoCable' makes a big difference to printing times. GeoCable was a product from Berkeley Softworks that connected the printer from the user port on the computer, directly to the 'Centronics' parallel port on most printers. You probably don't have one of these, but, if you are at all handy with a soldering iron, there are details in the manual on how to make one - it does not seem too difficult.

One other point that should be emphasized - the Print System itself works with GeoWrite only - not with any other applications. The conventional printer drivers and HQ fonts will work, however, with any Geos application, but if you do most of your printing from GeoPaint or GeoPublish you will probably not see the MAXIMUM benefit from Perfect Print. The program runs in all modes - C64, C128 40 or 80 columns. It is simple to use, though a quick trip through the manual is mandatory. There are lots of ways to fine-tune the system - if you like 'tweaking' there is a lot to tweak with, but you don't need to. All in all, this is a very professional package and I am happy with the results.

The complete Perfect Print package contains five double-sided disks which include 45 LQ fonts (for use with the Print System) several HQ fonts (for use with any Geos application), 100 or so printer drivers, a font editor and a whole bunch of font utilities (which I have not had a chance to test, yet). The price, from CMD, was \$49.95(US). A smaller, basic package (with only 7 LQ fonts) is available at \$34.95(US) - add \$5(US) S&H in both cases. CMD are at 15 Benton Dr, PO Box 646, East Longmeadow, MA 01028 and they have a toll-free order line - 1-800-638-3263.

## BBS Meeting

On Wednesday, November 20 the club held a special Telecommunications or BBS meeting.

Well-attended, this meeting featured wide-ranging talks by vendors such as Neil Fleming of Canada Remote Systems, Frank Sachse of METROPOLIS OnLine NetWork, Dave McIntosh of GENIE, Greg Bohaker of InsureMart, Jamie Thaine of Clubsoft, Ian Singer, sysop of Computing Canada On-line, who brought along a running TBBS, and Steve Punter, who described the drop-down/pop-up menus soon to appear on the TPUG BBS. Thanks are due to them and also to Roman Kowalczyk for organizing the

meeting, and the others who helped.

We have hardcopy handouts and a few InsureMart access disks for the cost of postage:

CRS info package - brochure, price list, July and November 91 newsletters - \$1.40 CDN / \$2.20 US.

METROPOLIS, Clubsoft, and GENIE brochures - \$.45 CDN / \$.50 US each; \$.90 CDN / \$1.15 US for all.

GENIE LiveWire Nov/Dec 91 magazine (very slick, full colour) + brochure - \$.90 CDN / \$1.15 US.

Insuremart brochure and MS-DOS software (specify 5.25" or 3.5") - \$1.10 CDN / \$1.35 US.

All the above + misc sheets - \$2.05 CDN / \$3.75 US.

# TPUG Annual Business Meeting and General Meeting of Members

## TO THE MEMBERS:

Notice is hereby given that the Annual Business Meeting of the members of TPUG (Toronto Pet Users Group Inc.) will be held in Alderwood United Church, 44 Delma Drive, Etobicoke on Thursday July 23rd, 1992 at 7:30 pm for the purpose of:

1. receiving the Report of the Directors including the financial statement for the year ending June 30, 1991 and the interim financial statement for the year ending June 30, 1992,
2. election of directors,
3. considering changes to the bylaws, and
4. transacting such business as may properly come before the meeting.

Normally elected directors' terms expire at the second Annual Business Meeting after their election.

The following directors' terms continue until next year:

Al Farquharson  
Hermann Hartmann  
Ian McIntosh  
Dug Rodger

The following have been nominated for election to the Board of Directors:

Carl Bannenberg  
Ernie Chorny  
John Easton  
Paul Kreppenhofner  
George Skinner

Others may be nominated at the meeting or by proxy. You may vote for as many candidates as there are vacancies. The maximum number of vacancies is 8 two year terms and 4 one year terms. In recent years only 12 directors have been elected. This choice would imply filling only 6 two year positions.

The new executive will be chosen by the new Board, traditionally at a special Board Meeting immediately after or during a recess of the Annual Business Meeting.

You must have a current membership on the date of the meeting to vote at it or any adjournment thereof.

Renewals will be accepted at the start of the meeting.

A copy of the proposed changes to the bylaws is available in advance on request.

You are entitled and encouraged to vote either in person or by proxy. If you are unable to attend in person, please sign, date, and return the instrument of proxy below (or a copy of it) to TPUG's mailing address at least one week before the meeting, or to the Secretary at the start of the meeting. You may optionally attach voting instructions to the proxy form.

By Order of the Board of Directors, TPUG

*Ian*  
Ian McIntosh  
June 11th, 1992

## TO THE MEMBERS:

Notice is hereby given that a General Meeting of Members of TPUG (Toronto Pet Users Group Inc.) will be held in Alderwood United Church, 44 Delma Drive, Etobicoke on Thursday September 10th, 1992 at 7:30 pm for the purpose of:

transacting such business as may properly come before the meeting.

You must have a current membership on the date of the meeting to vote at it or any adjournment thereof. Renewals will be accepted at the start of the meeting.

You are entitled and encouraged to vote either in person or by proxy. If you are unable to attend in person, please sign, date, and return the instrument of proxy below (or a copy of it) to TPUG's mailing address at least one week before the meeting, or to the Secretary at the start of the meeting. You may optionally attach voting instructions to the proxy form.

By Order of the Board of Directors, TPUG

*Ian*  
Ian McIntosh  
June 11th, 1992

## PROXY

The undersigned, being a current member of TPUG (Toronto Pet Users Group Inc.), hereby appoints \_\_\_\_\_ as proxy to vote for the undersigned at the Annual Business Meeting on July 23rd, 1992 and at any adjournments thereof, or at the General Meeting of Members on September 10th, 1992 and at any adjournments thereof.

Dated \_\_\_\_\_, 1992

Voting Instructions:

Signed \_\_\_\_\_

Name (print) \_\_\_\_\_

Member Number \_\_\_\_\_

This instrument of proxy is only valid if it or a copy is signed and dated and either mailed to TPUG's business address and received at least one week before the meeting, or given to the Secretary at the start of the meeting.

# TPUG

Toronto Pet Users Group, Inc.

# Order Form

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**SIGNATURE** \_\_\_\_\_

(If joining or renewing, please include a list of your equipment and special interests.)



For several years now, *Toronto Computes!* has been available free at most of our meetings. This spring it was joined by *The Computer Paper*.

The January **Amiga** meeting was cancelled - the library was closed due to bad weather - but an excellent February meeting featuring Jim Butterfield made up for it. Jim passed on information about viruses and vaccines (recommending **Virus Checker** which is on our (A)U5 disk), AmigaDOS 2, adventure games, his latest Tax91, and AMOS BASIC. The special feature was a demo of Deluxe Music Construction Set operating with his MIDI keyboard.

In April George Skinner showed us some of the features of Kickstart and Workbench 2.0, running on his A1000 using a Kwikstart II board.

The Amiga meeting occasionally features door prizes. In June Joanna Stein, who had brought a camcorder for a video demo, won an Abacus book and disk *Amiga Desktop Video*. She reports the book needs some updating but is a good introduction, and the disk is very useful.

The April **Westside Amiga** meeting also included a demo of NewAqua, the new Fred Fish disk catalog. Meanwhile Ernie Chorny showed the **Westside 8 Bit** group how to reprogram the EPROM chip in a C64 cartridge, and handed out articles on video game machines and building a better C64 power supply.

Several Central Amiga and Westside Amiga meetings have featured some of George's video tapes - two on drawing and animating using *Deluxe Paint 4*, and *How To Hot Rod Your Amiga*.

Jim Butterfield was the speaker at the April **C128** meeting, covering many topics like a C128 BASIC program cross-reference utility, programs that modify themselves via "dynamic keyboard", copying relative files, the 3 implemented C128 BASIC commands, 4 and 8 MHz CPUs, and the super eight bit machine that Commodore won't be making. Discussion drifted into MS-DOS versus C128s and the widespread, almost universal, piracy among home PC clone owners. Jim also came to the May meeting with visitors from Florida.

The June C128 meeting topics included ZED, a text editor which can handle files as large as your REU (up to 8 MegaBytes!), a new version of the GAS128 graphics system, geneology, and online systems.

At the March **GEOS** meeting, John Milligan gave demos of RAMLink, GeoWizard, and Perfect Print [see the review on page 6]. John brought along a binder of sample Perfect Print fonts and styles and even had print sample handouts. John also showed us his homebrew geoCable clone, made from a standard PC parallel printer cable with one end cut off and replaced by a \$1.50 connector. Using it (or a real geoCable) can double printing speed.

The door prize at the May **C64** meeting was an anti-radiation screen filter, demonstrated by Arthur Krolman Enterprises and won by Roman Kowalczyk. The June meeting was the annual flea market, with bargains in previously owned hardware and software.

This year, the C64 and GEOS meetings continue through the summer; the C128, Amiga and Westside meetings will resume in September.

At last November's **Telecommunications / BBS Meeting**, Steve Punter presented some of his planned improvements, which are now in place. The new system should be easier to use and especially easier to learn. An 80 column terminal program supporting ANSI X3.64 control sequences is needed to make full use of the new features.

The **MENU** command activates menus. Pressing a single key then activates the matching command or sub-menu, using pop up question/answer requestor boxes if necessary. Scrolling is done with cursor keys and menu item selection with the Return or Enter key. Selected menu items and input from requestor boxes is used to construct normal commands. The screen is automatically repainted afterwards.

The new interface should be especially useful to beginners and casual users. Give it a try!

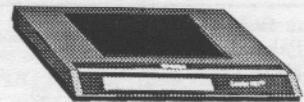
For some time we've been considering reviving the **Eastside Chapter** meetings, likely somewhere near Scarborough Town Centre. Others have suggested a new **Northside Chapter**. In both cases the principal requirement is a meeting co-ordinator to arrange speakers, demos, etc. Being a computer expert is NOT a requirement. If you would be interested in attending or especially organizing either of these (or if you have other suggestions), please let us know.

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*[In part 1 of this series, Herb explained how his HAM radio hobby led him into the world of Commodore computers. In part 2, he described his use of and enhancements to the C-128.]*

## Enter The PC-10

To enter the world of MS-DOS, albeit reluctantly, I naturally chose old mentor Commodore Business Machines. What I feel was a fine clone several years ago, the CBM PC-10-II, was my choice. It used an amber or green mono monitor, which I soon upgraded to a colour standard 1902A look-alike, the CBM 1084. This monitor, up to probably two years ago, was really the monitor of choice re clarity, size and price. (I still use it, but with the C-128. The 1902A is now with the B-128, and a Super VGA monitor with the clone.) I ran a CP/M emulator system on the DOS clone, which depended on replacing the 8038 microprocessor with a V-20 processor. I soon learned its strange, although largely consistent with the DOS world, architecture and hardware/software side, which has proven to be a boon now.

This computer allowed easier testing of porting transfers between CP/M, MS-DOS and the 8-bit world, and (oddly enough) served to pull me deeper into the CBM 8-bit world. This MS-DOS computer was upgraded from twin 5.25" DD drives to a 5.25" and 3.5" combination, a CBM serial port printer adaptor, internal modem and multi-port card, internal 30 M hard drive, and mouse. Further enhancements included replacing the frequency crystal and timer to allow outboard selection of original 4.77 and new 9 MHz speeds, 640 K memory upgrade, etc. It initially had DOS 2.01, which I finally upgraded to 3.3.

Outgrowing this machine, I built my present 80286 MS-DOS computer, upgrading to HD/DD/SD 3.5" and 5.25" drives, 8 Megs memory (expanded and extended), dual hard drives (40 M and 60 M), tape backup, mouse, 80387 math co-processor chip, video upgrade to 512 K video memory and Super VGA monitor, Macintosh/CBM/Apple user definable drive control card, RLL format from original MFM hard drive format, etc. I think you get the picture: I cannot leave things "as is", I do enjoy experimenting with the so-called limits in computer hardware and compatibility/porting problems. At this point, around the time The Transactor folded, I was brought to mind of the existence of the IEEE world by Mike Garamszeghy . . .

## Enter The IEEE Bus

I had, again, no real experience, just a general feeling of LONGING FOR, the IEEE bus. From the beginning of my CBM 8-bit days, this marvellous fast bus and its intelligent peripherals drew my attention. Being primarily interested in CP/M implementations, however, and due to geography (Canada never really went too far towards IEEE devices to my knowledge), this world eluded me. Mike informed me two summers ago that he was incorporating IEEE drive compatibility in a future upgrade of "Juggler", his (the) prime CP/M version transfer and foreign format transfer utility I use. Great! This pulled out the last stop for me.

It had appeared that CP/M 3.0+ on the C-128 would not accept the IEEE interfaces, drives, etc, AT ALL. As it turns out, this incompatibility is limited to early releases of the system only, and not present in the last release. This release operates with the IEEE Skyles ROM installed, and further allows use of Skyles interface mounted switches to jump from devices 4, 8, 9 and 10 in IEEE and serial drive versions "on the fly". Sadly, the CP/M system unpatched and without Mike's upgrade treats all IEEE drives as 4040 single drives, but this is better than nothing while waiting for Mike's release of full compatibility. (Imagine our mighty 9090 hard drive relegated to a formatted 4040 single! Alas, but only temporary . . .) The persons and companies recommended by everyone queried differed, thus I used several sources. I bought an SFD-1001 drive, outfitting it with front panel reset, SS/DS (8050/8250) switches, and also front panel device # switches to allow 8 to 15 to be selected with appropriate volume capacity after hitting the reset switch on the drive.

Later, I was supplied with a superb bad sector- and error-FREE (almost unheard of) D9090 7.5 M hard drive. It appears a ROM change and hard drive change may allow future upgrading to 20 or 30 M, by the way. I summarily upgraded this drive with front panel reset and device # switches. All cabling and documentation came from the source. I enjoyed the use of these drives with the C-128, and use them to this day.

*Next issue: Enter The B-128*

## Books and Software From TPUG

Use the order form on page 8

### Abacus Software \$5 each

- CadPak 128
- ChartPak 128
- Assembler/Monitor for C64/C128
- BASIC Compiler 64
- COBOL 64
- COBOL 128
- Forth for the C64/C128
- FORTAN 64
- Super C 64

### Abacus Books \$5 each

- Peeks & Pokes for the C64
- Graphics Book for the C64
- Tricks & Tips for the C64
- Science & Engineering
- Ideas For Use On Your C64
- The Anatomy of the 1541

*No PST on books.*

### Norland Software \$3 each

- Assorted Amusements
- Trivia Bits
- Screen Gem
- Colossal Cave Adventure
- Island Adventure
- Mountain Palace Adventure
- Adventurer's Six-Pack
- Calc Right!
- Extended BASIC

## For Sale

2040, 4040, and high density 8050 PET dual disk drives \$75. PET 2001 and 4016 not working - make offer. Zenith mono monitor \$40. 253-9637.

DigiView 4 for sale. Call Michael Phillips at 656-9829.

Commodore specific magazines back issues, PET thru Amiga, from 1978 to present \$1 to \$2.50 each. Call Paul at 234-1067.

Osborne/Donahue PET/CBM Personal Computer Guide \$10. User's Reference Manual Commodore BASIC Version 4.0 \$15. 8296 Supplement To 8032 Manual \$5. Ian 757-4628.

ASI Q-Bopper C64 game (disk only) \$3. Call 253-9637.

Monochrome Electrohome composite plus audio monitor with tuner. Also VIC 20, monitor cable for VIC 20, RF modulator, Datasette, BASIC part 1+2 manuals & cassettes. Tim 542-2181.

Lattice C compiler version 5.10 \$200 or trade for Pro-Page or equivalent. Call Paul 234-1067.

2 SFD 1001 drives, Buscard II, IEEE cable, interface, 2 power cords, ref manual for sale. Prefer package deal or 2 way split. Gus 652-7018.

MicroPhaser Centronics to RS232 buffer for sale or swap. 588-9316.

C128 with 640K REU, 1902A monitor, disk drive. Stan Zinberg 881-1374.

CBM 8032, 8050, 2 printers for sale. David Shoemaker (916) 687-8816.

PET 8032 for sale \$30. 542-2181.

9" 4032, 4040, 2022 printer, cables, manuals \$300. Jim Nairn 277-2065.

20 MB CBM A2000 hard disk for sale \$200. Call Michael 656-9829.

2 8032s, 2040 & 2031 disks, cables. Also PET Paperclip 4040 disk & ROM (no manual). Tim 542-2181.

Amiga MIDI: Soundscape sequencer \$25, MIDI Magic \$10, CZMaster editor/librarian for Casio CZ101, CZ1000, CZ25000, CZ3000 \$20. Call Doug Pringle 240-8655.

8032 \$30. 542-2181.

C128D, 1571, monitor, and Roland 1012 printer. Call Paul Robinson at 759-5590.

Commodore Logo francais (original disk only) \$5. 253-9637.

64C, 1541, monitor, printer, S/W \$350 or BO. Danny 699-7606 5-10 pm.

4032, 4040, 8050, Diablo 6400 printer \$350. Neville Bishop 233-1083.

Near mint 8032, 8050, 8023P printer, VisiCalc, MicroVision, Wordpro4+ etc. Also mint Plus/4 and Okimate 10 colour printer. George 485-6364.

C128, 1571, 1902, Gemini II printer, Animation Station, Pocket Writer, Pocket Filer, 150 games, 2 joysticks just \$450. Bob 932-2723.

Gemini 10X printer for parts (blown main board) \$35. D. Young 621-5767.

16 PETS, 15 dual disk drives, 1 single, 13 printers, 9 Datasets, odds & ends. Robert Bannerman (705) 435-6288.

C128, 1541, 1702, MPS802 & software \$600 or BO. Greg Martins 588-6160.

C128, 1571, 1084, Jaqueline 321-9886.

8096, 8023P, 4023, Wordpro5 disk and chip. Alex Foord 420-3106.

3 SuperPETS, 8050 + 2 8250 dual disk drives, OS/9 board, Stylograph, Paperclip, Wordpro, Visicalc, etc. Best offer for lot (519) 822-2608 (9-5).

SuperPET 8050 PaperClip-Tim 542-2181.

C128, 1541, 1701, 1525, Datasette, 64 modem, Koala Pad, Currah speech synthesizer, software \$600. Call Greg 588-6160 after 5.

## Wanted

WANTED surplus PETS, drives, S/W, etc. Call Gus Bassis 469-4828.

IEEE cable. Brian (519) 622-6631.

Need VIC 20 paddles, superexpander cartridge, light pen with software, digital/analog adaptor. A1C Ret. Billy C. Mitchell, 2134 SouthEast Virginia Ave, Topeka, Kansas 66605-1355.

IEEE cables. Terry Harapick, 1154 Mulvey Ave, Winnipeg MB R3M 1J6.

Want Buscard. Call Freddy 766-9515.

Old Transactor, Ahoy, Commodore, other C64/C128 magazines. Mike Beverage (702) 564-7013 Thu/Fri only.

16K memory expander for Vic 20 wanted. Eddie 366-2876.

Need IEEE cable. 757-4628.

Wanted free PET parts to repair antiques. Allan Higgins 741-6660.

Part-time SuperPET programmer needed. Call Mr. Am 796-6203.

Need dead C64s & C128s. 542-2181.

4040, PET printer. Debbie 746-5827.

Need copy of April 1990 Annual Business Meeting minutes. 757-4628.

## Services

Attention computer mags, clubs. Cartoonist available. Also seeking writer(s) for syndicable comic strip. (416) 462-3168.

PET H/W & S/W imported. Call Ted at 940-9645.

Expert GEOS help. Robert 740-3969.

Expert custom programming - call Micro Power 757-4628.

Need help with BBSing? Reasonable rates. (416) 462-3168.

## Batteries Included Disks From TPUG

*These are originals, but are just the disk, with no manuals. The C64 ones need the correct dongle; PET ones need the matching ROM chip.*

**\$5 each**

PaperClip for PET+4040/2031

PaperClip64 for C64

PaperClip64 with SpellPack for C64

SpellPack for C64

SpellPack Dictionary for C64

Delphi's Oracle 64 for C64

## Books and Manuals For Sale

542-2181

C128 System Guide	\$12
C64 Programmer's Reference Guide	\$15
64C documentation packages (System, Quick Reference and Setup Guides)	\$15
C64 User Guide (old style)	\$7
Compute! Books Toolkit BASIC 64	\$14
Compute! Books Machine Language For Beginners	\$14
SuperPET Micro APL Manual	\$10
KRAM Keyed Random Access Method manuals (for PET)	\$10

Most (A) disks include:

**MuchMore** - views text files

## (A)TBQ - September 91

**CodeTutor** - teaches or produces Morse Code (with Basic source)

**GearCalc 2.0** - calculates gear ratios for bicycles

**Shuttlecock** - animation

**ChkFrag** - checks file fragmentation on a disk

**LastHope** - repairs corrupted disks and undeletes files

**DrIcon 1.0** - creates or edits icons, with good icon documentation

**FileMan 1.20** - directory utility

**DirWork 1.31** - configurable hot-key dual directory copy / move / rename / delete / edit / view ASCII/hex/IFF/comments/ prot / play music/anim / search file / run CLI command(un)archiver/list/make/delete dir / check virus / blank screen

**VMK 1.0** - detects memory and boot block viruses

**BigChars 1.0** - shows banner on screens or in file (CLI)

**CalcKey** - hotkey calculator (CLI)

**PALcon** - switches 1 MB Fatter Agnes systems between NTSC and PAL format screens (CLI)

**DT** - tests disks (CLI)

## (A)TBR - October 91

**Blue Monday** - song (CLI)

**claud2.iff** - hurricane Claudette satellite animation (CLI)

**BootOut** - BreakOut-like game, fits in boot block (with asm src)

**Squash** - game, fits in boot block (with asm source)

**TinyType 1.30** - prints tiny text on Epsons, 288 lines/page (CLI)

**Memtest** - tests all RAM (CLI)

**CompatList21.txt** - AmigaDOS 2.0 / A3000 / hard disk (in)compatibility list and games ratings (text)

**disable** - disables A3000 caches and/or fast RAM (CLI)

**Coffee** - clip art

**Pirate\_ship** - clip art

**Falcon** - clip art

**Owl\_200** - clip art

**P-Reader 5.1** - views / searches / prints almost anything - text with multi-colours and styles, ILBM graphics with HAM and

colour cycling, 8SVX sounds, ANIM5 animations, combinations, compressed files

**TD 2.0** - shows current track number for each floppy drive

**SysInfo 2.40** - reports hardware configuration and speed, ADOS version, SCSI drive info

**FO** - optimizes floppy disk

**AMReport 1.14** - Nov 18 1991 disk magazine - GVP IV24 review, AmiExpo report including 24 bit graphics etc, JPEG review (text)

## (A)TBS - November 91

**StarChart 1.0** - shows and identifies 600 northern hemisphere stars / constellations / nebulae / etc with info on each (needs AmigaDOS 1.2) (includes 2 fonts)

**Siesta** - 8 + 11 point font

**C** - 6 point font

**WorldDataBase 2.0** - outline map of world from any location (zooming past 12x needs more detailed map files and >1 MB) (with C source)

**SuperDuper 2.0** - very fast OFS or FFS disk copier, works with 1 to 4 drives, can use compressed buffer in RAM or on hard disk

**bBaseII** - easy database system (max 600 records, 9 fields each) with sample recipe database (needs arp.library and unspecified device driver)

## (A)TBT - December 91

**SubAttack!** - ship sinking game

**Soccer** - arcade soccer game (use CLI to install) (with font)

**Garrison** - 8 point font

**CustomHelp** - configurable hotkey (default Ctrl-Help) help system

**SysInfo2.51** - reports hardware configuration and speed, ADOS version, SCSI drive info, etc

**Virus\_Checker5.36** - detects and removes most link/file and boot block viruses (CLI)

## (A)S2 - WOCA Show Disk

[Briefly named *wocshowdisk91*]

**DiskSalv 1.42** - copies files from corrupted disk (CLI)

**Shuttlecock** - animation

**Llamatron** - excellent 1/2 player Robotron-like arcade game

**JPDirUtil 1.2** - configurable copy / move / rename / delete / view as ASCII/ IFF picture/hex / print / edit / add icon/comment/ protection / run files, make / remove / add icon/comment/ protection to directory, show sizes / space, start new CLI

**Virus\_Checker 5.26** - detects and removes most link/file and boot block viruses (CLI)

**FixSaddam** - detects and removes Saddam virus (CLI)

**xicon** - adds icon to program

## (A)C2 - Communication

**JRCComm 1.02A** - 300 - 57.6K bps terminal program with tty / Amiga / Skypix / PC colour / PC monochrome / VT-100 / VT-102, with end of line translations, with CIS B+ / XModem (checksum & -crc & -1k) / WxModem / YModem (normal & -g & -1k) / ZModem, with auto chop, colour, split screen, chat line, hex, function keys, log file, clock/timer, status line, filters, small/normal characters, keymaps (eg Dvorak), modem configuration...

## (A)F2 - Fonts

**Amiga Video Graphics Guild Video Font Disk 2**

19 fonts, all at least 20 pixels high, suitable for video use, with Deluxe Paint II and III instructions

## (A)F3 - Fonts

**Amiga Video Graphics Guild Video Font Disk 3**

various fonts, including ColorFonts

## (A)U5 - Utilities

[ICPUG "Just\_Say\_NO!" to viruses]

<b>TCell</b>	<b>ViewBoot</b>
<b>VP</b>	<b>VRTest4.1</b>
<b>VTrap</b>	<b>NGC</b>
<b>VirusX4.0</b>	<b>Virus_Checker</b>
<b>NoVirus</b>	<b>ZeroVirus</b>
<b>SizeChecker</b>	<b>Guardian</b>

## (A)D7 - Scene Generator

[From Natural Graphics]  
Scene Generator - creates realistic random scenery

## (A)D8 - The Context Bible

[From Neuralink]  
The Context Bible - browse / search / highlight / annotate / cross-reference 28 disk hypertext New International Version of *The Bible*  
Thinker - hypertext system

## (A)D9 - Kimbersoft\_P.D.\_1

[From Kimbersoft]  
Color Window Designer Edition 1.0 - controls screen colours for other programs  
Mortgage Burner Professional and Master's Editions 1.0 - calculates loan amortizations

TPUG always has all Fred Fish AmigaLibDisk disks (now over 565 and growing), the Amicus (up to 26) and FAUG (up to 9) sets, plus other sets.

TPUG's new (AV) series are AmigaVision disks. You must have AmigaVision to run them, although you may use many of the component text files, pictures, music and animations with the appropriate viewers or players. Most will also need >1MB RAM.

## (AV)AAD - November 91

ALEXPROG - teaches colours, opposites, alphabet, and numbers using digitized speech, for preschool

## C128 Library Update

### (Y)ABQ/R - Sept/Oct 91

unix 128 v3.00 - scaled down Unix-like environment, with 108 Unix commands, including browse, cat, cp, emacs, file, fsck, reboot, sysadmin, passwd, nroff, as, basic, dc, dos, ftp, games, hgrep, inventio13, mail, od, shar, spread, text, tip, uucode and on-line manual (80 col) (1571 highly recommended)  
DISKWHIZ - list / print / copy files (80 col)  
UNICOPY128 - copy files

### (Y)ABS - November 91

KEYDOS 128 2 - defines function keys for copy / scratch / read / print / rename / convert files, run C64 program, list directory, run batch files (eg **phone-file**), can be installed on boot sector (with Quick Brown Box version)  
64 - run C64 programs (40 col) (with Quick Brown Box version)  
PRINTERSET - creates printer setup programs (80 col)  
RESET - PRINTERSET program  
ELITE-SKIP-MARG - PRINTERSET program  
BOLD - PRINTERSET program  
PSET - easy interactive Epson printer setup

HEXPRT - extensive machine language debugger  
CURSIVE - cursive script font and loader (40 col)  
VDCRAM.TXT - 64K Video RAM upgrade instructions (text)  
WORDPRO5 - line oriented text editor (80 col)

### (Y)ABT - December 91

LOGO4 - subset of LOGO turtle graphics language (40 col)  
ACCELERATOR - speeds 40 col to 2 MHz with blank screen  
VDC TEST - checks for 16K / 64K Video RAM  
UBASE-1.5 - memory-based database manager (80 col)  
TETRIS - Tetris-like game (80 col)  
UNICORN - text adventure (80 col)

### (Y)ABU - January 91

TEXTREAD - show / print sequential text file (80 col)  
INSTANT ACCESS - database manager for C64  
INSTANT ACC 128 - database manager for C128 (80 col)  
DATABASE128 - simple database manager  
LZHTOSFX - converts .LZH archive files to Self eXtracting .SFX format  
*The following draw 40 col pictures:*

## librarian - John Milligan

BRAVESTAR/30-30  
GARFIELD  
GARFIELD2  
GARFIELD3  
GARFIELD4  
GARFIELD5  
GARFIELD & ODIE  
SUE GRAHAM

### (Y)SAH - WOCA 91

TEXTREAD - show / print sequential text file (80 col)  
OUTLINE 128 - organizes / prints ideas / thoughts / topics (80 col)  
LOAN AMORTIZ - calculates loan payment schedules (80 col)  
ARABIC-ROMAN - converts numbers to Roman numerals  
AUTOBOOT - makes disks bootable in 64/128 mode (80 col)  
GURU80 - disk sector editor, with BASIC untokenizing (80 col)  
KEYDOS UTILITY - subset of KEYDOS - see (Y)ABS (80 col)  
TETRIS - Tetris-like game (80 col)  
MAH-JONGG V2.0 - Mah-Jongg-like tile matching game (40 col)  
PAWNS 128 - pawns-only chessboard game (40 col)  
SIDPLAYER 128 - music player (40 col) with music:  
MINUET IN G - by J.S. Bach  
PIANO MAN - by Billy Joel  
BACH DM T/F - Toccata and Fugue in D Minor by J.S. Bach  
CHEERS - TV series theme song

## CP/M Library Update

We have a new CP/M catalog disk, in CP/M format. It contains four program description text files, along with utilities to browse, search, and print.

## Ray Whidden and John Milligan

Two disks have been renamed to fill in a gap:  
(Z)ADJ is now (Z)ADA, and  
(Z)ADK is now (Z)ADB.

# Progeni Inc. Computers



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## TPUG Discounts

*Several stores give discounts on some items (typically software, books, magazines, blank disks, etc) to TPUG members:*

**Computer Variables**      **NEW**  
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**Progeni**

*Ask them for details, and save!*

## The Teachers' Corner

Bill Cumberland

### The Computer Lab Debate

The old debate about computer labs versus computers in classrooms continues. In most Ontario schools the old C64/C128 and Apple II computers continue to gather dust in the corners of class-rooms while the more recent ICONS tend to cluster in school libraries. Pedagogical mind-set decrees that the C64s and Apples with their many good programs lie idle while the ICONS with their limited array of programs tend to serve as "electronic baby-sitters."

Rarely except in privately operated schools, such as Mentor College in Mississauga, do you find the trusty olde C64/C128 computers clustered in labs with competent staff in attendance. Here, computer-aided learning (CAL) is a reality because these private schools are being paid to actually educate their students. CAL is a powerful learning medium but it only works when in the hands of educators who understand the process.

### C64 Educational Programs

Several dedicated C64 people continue to write educational programs for TPUG. The emphasis is on primary school programs. If you discover any problems with these programs, or have any suggestions for improvements or perhaps new programs, please contact me.

The C64, with its massive array of programs, is still the best primary school computer in the world. It is a great pity that the Commodore "brass" lost track of that fact in the mid-1980's.

### 1541C Disk Drive Warning

Some 1541C disk drives have a tendency to chew up the centre ring of disks. It may be a design weakness. The older 1541 disk drives don't seem to have this problem. I warn my students to press the disk firmly into the 1541C drives before twisting the locking lever.

### (C)ED-15

#### Mathematics

Grades 3 to 4  
18 Math Lessons

### (C)ED-16

#### Mathematics

Grades 3 to 4  
19 Math Lessons

### (C)ED-17

#### Mathematics

Grades 3 to 4  
19 Math Lessons

### (C)ED-18

#### Thinking Games

OSERO  
REVERSE  
TWELVE BLOCKS  
SHAPES  
MATCHES  
TOWER OF HANOI  
BOTTLE CAPS  
ANDROID NIM

MOTORCYCLE JUMP  
DRIVER'S TEST  
WAREHOUSE  
NUCLEAR REACTOR

### (C)ED-19

#### Thinking Games

SNAIL  
SNARK  
ARTILLERY  
PLANET INTEGER  
PIZZA  
LEMONADE  
GOLF  
ANCHORAGE  
HURKLE  
PLACE VALUE  
WATCHPERSON  
CHECKERS  
JOTTO  
MASTERMIND

### (C)ED-20

#### Typing

Grades 3 to adult  
29 Typing Exercises  
(See TPUG NL V4#2.)