

TPUG NEWS

World of Commodore Issue

C-64, VIC 20,
PET & SuperPET

TPUG Annual
Conference
May 26 & 27

TPUG magazine
The New Official
Publication

Public Domain Library Listings

Monthly Meetings
in the Toronto area



POWER 64

Basic Utility for the Commodore 64

- Easy to learn
- Easy to use
- Program faster and more efficiently with better results
- **MOREPOWER** included **FREE**

69.95

Powerful Programmer's Utility
by Brad Templeton
Manual by Jim Butterfield

PAL 64

Assembler for the Commodore 64

- Easy to learn
- Easy to use
- Fast
- Comprehensive manual

69.95

Personal assembly language
by Brad Templeton
also available for the Commodore
4,000 — 8,000 — 9,000 series

VIC-20 SOFTWARE

IFR (Flight Simulator) (K)	\$49.95
Road Toad	\$29.95
CD002 Centipod	\$29.95
MD001 Snakman	\$29.95
SYN002 Crabs SPECIAL	\$9.95
SYN003 Cyclones* SPECIAL	\$9.95
CS013 Astroblitz (K)	\$59.95
CS016 Apple Panic (K)	\$59.95
CS017 Choplifter (K)	\$59.95
CS018 Black Hole (K)	\$59.95
UMI1636 Cloud Burst (K)	\$49.95
ORM004 Crossfire	\$39.95
HESC307 Shamus (K)	\$59.95
Introduction to Basic I	\$49.95
Introduction to Basic II	\$49.95
Sidewinder	\$44.95
Galactic Blitz	\$39.95
Martian Raider	\$24.95
Shark Trap	\$24.95

* Requires 3K exp. (K) Cartridge

COMMODORE 64 SOFTWARE

Power 64	\$69.95
Pal 64	\$69.95
Road Toad (Formerly Froggee) (disk)	\$34.95
(cassette)	\$29.95
Supercycles (disk)	\$29.95
Cyclons 64 (disk)	\$34.95
Fort Apocalypse (disk)	\$42.95
Survivor (disk)	\$42.95
Jumpman (disk)	\$49.95
Jumpman Junior (cart.)	\$54.95
Shamus (disk)	\$42.95
The Home Accountant (disk)	\$89.95
(From Continental Software)	
Lode Runner (disk)	\$49.95
Personality Analyzer (disk)	\$29.95

BOOKS

Best of Transactor Vol. I.	\$12.00
Best of Transactor Vol. II.	\$16.00
Pet Graphics	\$23.95
Library of Pet Subroutines	\$23.95
PET Basic	\$19.95
VIC 20 Prog. Reference Guide	\$29.95
Elementary Commodore 64	\$17.95
C64 Prog. Reference Guide	\$27.95
VIC Revealed	\$18.95
VIC Graphics	\$18.95
VIC Games	\$18.95
Compute's first book of PET/CBM	\$19.95
Compute's first book of Commodore 64	\$18.95

COMPUTER SUPPLIES

C10 Cassette Tapes	\$1.00 ea.
C20 Cassette Tapes	\$1.25 ea.
Cassette Boxes	.25 ea.
Verbatim Disks M0525-01	\$44.00/10
Memorex Disks 013481	\$33.90/10
K10 Disk Storage Box	\$5.95
Flip Sort Storage Box	\$39.95
Printer Paper	
15 lb 9 1/2 x 11 2850 sheets	\$39.00
20 lb 9 1/2 x 11 2200 sheets	\$40.00

PET/CBM SOFTWARE

Sargon II Chess (Tape)	\$42.95
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JOYSTICKS

WICO Power Grip	\$39.95
WICO Track Ball	\$69.95
WICO Red Ball	\$44.95
Commodore Joystick	\$19.95
Atari Joystick	\$20.95

* All Joysticks will fit VIC 20 or Commodore 64 computers

MISCELLANEOUS

VIC RABBIT CARTRIDGE AND CBM 64 RABBIT CARTRIDGE

NEW FEATURE! DATA FILES!

"High Speed Cassette Load and Save!"

\$69.95

(includes cartridge and manual)

RAMAX

VIC-20 Memory Expansion Board

To equal the total memory of RAMAX™ you would have to buy a 16k Memory Expansion, PLUS an 8k Expansion, PLUS 3k Expansion, THEN you would need a "mother board". With RAMAX™ you buy just ONE piece... at ABOUT HALF THE PRICE!

* Adds up to a full 27k bytes of additional RAM to the standard VIC-20's internal RAM of 5k.

NOW ONLY

\$229.00

ORDERING INFORMATION

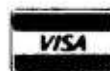
Cheque, Money Order, VISA, Master Card accepted.
Ontario residents add 7% sales tax. Add 5% for shipping
(minimum charge \$1.00)

NOTE: All Prices in Canadian Funds.

ELECTRONICS 2001 LTD.

5529 Yonge Street, Willowdale, Ontario M2N 5S3

Tel: (416) 223-8400



TORONTO PET USERS GROUP INC.— TPUG
1912-A Avenue Rd., Suite #1
Toronto, ON
M5M 4A1
(416) 782-8900

Dear Interested Reader:

During the WORLD OF COMMODORE SHOW, I would like to take this opportunity to invite you to join our 12,000 plus members and share in the benefits that TPUG offers.

Our club is designed for owners and users of Commodore computers. It offers the members a club magazine, **TPUG Magazine**, an annual conference, a program library for four computers-- VIC 20, Commodore 64, PET/CBM, and SuperPET, and monthly meetings in the Toronto area. All of these are explained in this flyer.

Read through the information in this flyer and, if you are interested, talk to our club representatives at the **TPUG** booth. They will be pleased to answer any questions you have.

After the WORLD OF COMMODORE SHOW, you can contact us at the above address or telephone number if you have any questions.

Thank you for your interest in the **TORONTO PET USERS GROUP INC..**

Sincerely,

A handwritten signature in black ink, appearing to read "Michael K. Bonnycastle". The signature is fluid and cursive, with the first name being the most prominent.

Michael K. Bonnycastle
President

TPUG magazine...

The official magazine for the TORONTO PET USERS GROUP INC.
Designed for owners and users of Commodore computers.

TPUG now has over 12,000 members...

We have grown dramatically -- 1,000 new members per month!

It's time for us to directly produce our own magazine...

TPUG is bringing in-house the production of our own publication -- **TPUG Magazine**. The club will no longer be purchasing the TORPET from an outside source.

TPUG Magazine will serve and represent all users of Commodore computers...

TPUG Magazine will be close to your interests because it deals with all Commodore computers and related products. The articles in **TPUG Magazine** are written by both club members and professionals, and each information-loaded issue is carefully read and re-read by our many readers.

The first issue will appear by February 1984...

Our members have an avid interest in what is happening in the computer market, particularly involving Commodore. Many are only beginning to purchase equipment while others are looking for new and better ways to do things.

Consider the enclosed information...

TPUG is very pleased with the progress it has made. If you would be interested in writing articles for the magazine or have a product or service that you would like to advertise, please contact us at (416) 782-1861.

Wouldn't YOU like to share in this?

TORONTO PET USERS GROUP INC.
(The independent Commodore computer user's group)
presents the

Third Annual TPUG Conference

Saturday and Sunday, May 26 and 27, 1984

LOCATION: Constellation Hotel,
900 Dixon Road (adjacent to airport)
Toronto

TIME: 10:00 A.M. to 5:00 P.M. both days

ACTIVITIES: Full two-day program of speakers covering topics of interest to beginners and experts.

Club program library available on pre-copied disks at reasonable cost.

Expanded dealer displays of hardware, peripherals and software.

"Answer Room" - 10 minutes consultation with a Club expert.

"Traders' Corner" - your "obsolete" equipment may be of value to someone else.

And more !

AMENITIES: Ample free parking.

Separate snack area for conference participants.

Optional Club Banquet Saturday evening \$25 per person.

Special convention hotel rate for out-of-town registrants.

\$65 per night double occupancy, (save \$12)

\$55 per night double occup., for each of 2 nights.

REGISTRATION: You must be a Club member to register.
Regular membership \$30.00, Associate \$20.00.

Pre-registration \$20.00, starts Feb. 1, 1984.

Pre-registered spouses and children \$10.00 per person.

Late registration, after April 15,

or at the door, \$25.00

FOR FURTHER INFORMATION CALL TPUG OFFICE DURING BUSINESS HOURS
416-782-9252

MAY 26 & 27 - RESERVE THESE DATES ON YOUR CALENDAR NOW!

Toronto PET Users Group Inc.

1912-A Avenue Rd., Suite #1

Toronto, ON M5M 4A1

416/782-9252

416/782-8900

Membership Fees...

The membership fees for 12 months in the Toronto PET Users Group (a non-profit organization) have been set as follows:

Regular member (attends meetings)	\$30 Can.
Student member (full-time, " ")	\$20 Can.
Associate (Canada)	\$20 Can.
Associate (U.S.A.)	\$20 U.S.
Associate (Overseas--sea mail)	\$30 U.S.
Associate (Overseas--air mail)	\$40 U.S.

A **regular** member attends the monthly meetings in the Toronto area (approximately 10 per year) and is the only type of member with voting privileges at the annual meeting. A **student** member by definition is a full-time student at a public or high school, a community college or a university, and attends the regular meetings around Toronto.

Associate members, because of distance and/or time restrictions, are not able to attend regular meetings. Fees are in U.S. funds, except in Canada, where they are in Canadian funds.

The fees for **visitors** attending a regular meeting are \$5 for adults and \$2 for students. **Family** members accompanying a regular or student member to a meeting pay \$2 each.

As of February 1984, all members receive 10 monthly issues of TPUG Magazine, an independent Commodore magazine, which is the official publication of the Toronto PET Users Group. Prior to this date, members will receive the TORPET.

Also, members have access to the club library of programs on disk or tape. There are several ways of obtaining these disks or tapes:

1. Take a blank disk to a club meeting and get the monthly disk copied onto it. (The disk will be returned to you the following month.) Alternatively, the monthly disk may be purchased at the meeting at a special price.
2. Attend the annual conference where most club disks are available for a modest charge.
3. Find a friend or dealer etc. and copy their disks.
4. Order disks or tapes through the mail from the club office (see p.22).

In addition to the above, TPUG provides a bulletin board modem system, 416/223-2625 (7:30 p.m. to 9:00 a.m. Eastern Time, Monday to Saturday, and all day Sunday), and a yearly computer conference.

TPUG Events...

Fall & Winter Schedule

CENTRAL CHAPTER - Leaside High School, Bayview & Eglinton Aves. at 7:30 p.m. in the auditorium for PET/CBM

Wed. Nov. 9	Wed. Feb. 8
Wed. Dec. 14	Wed. Mar. 21
Wed. Jan. 11	Wed. Apr. 11

VIC 20 CHAPTER - York Public Library, 1745 Eglinton Ave. W., (just east of Dufferin) at 7:30 p.m. in the auditorium

Tue. Nov. 1	Tue. Feb. 7
Tue. Dec. 6	Tue. Mar. 6
Tue. Jan. 3	Tue. Apr. 3

Commodore 64 CHAPTER - Earl Haig S.S., Kenneth & Princess Aves. (6 blocks north of Sheppard, 2 blocks east of Yonge) at 7:30 p.m. in the auditorium

Wed. Nov. 30
*Wed. Dec. 14
*(joint Dec. meeting with Central at Leaside)
Mon. Jan. 9
Mon. Feb. 27
Wed. Mar. 7
Tue. Apr. 10

WESTSIDE CHAPTER - Clarkson Secondary School, Bromsgrove just east of Winston Churchill Blvd. (south of the QEW) at 7:30 p.m. in the Little Theatre for PET/CBM/VIC 20/Commodore 64

Tue. Nov. 15	Tue. Feb. 21
Thu. Dec. 15	Thu. Mar. 22
Tue. Jan. 17	Thu. Apr. 19

SuperPET CHAPTER - York University, Petrie Science Building, enter campus from Steeles Ave.--park in Lot D. Meet at 7:30 p.m. in front of Room 340.

Wed. Nov. 16	Wed. Feb. 15
Wed. Dec. 21	Wed. Mar. 21
Wed. Jan. 18	Wed. Apr. 18

MACHINE LANGUAGE CHAPTER (6502) - Call Jim Carswell at 416/531-9909 for additional information.

VIC 20/Commodore 64 Assembler Language and Communications Group - York Public Library 1745 Eglinton Ave. W. (just east of Dufferin) at 7:30 in the Story Hour Room (adjacent to the auditorium).

Wed. Nov. 2	Wed. Feb. 1
Wed. Dec. 7	Wed. Mar. 7
Wed. Jan. 4	Wed. Apr. 4

Club Chapters...

In response to the many requests from other user groups, we now have two ways in which other Commodore clubs can associate with TPUG.

The first is to take out an associate membership for the club at \$20 per year. In this case, the club will receive 1 issue of TPUG Magazine each month and the club will have access to TPUG's library of over 3,000 programs.

The second way is to have a number of your members (at least 15) join TPUG at one time (covered by one cheque). The associate membership fee in this case is only \$15 per person. Then a copy of TPUG Magazine will be mailed to each individual member who will also have individual access to the library. If 25 or more people join at one time, then we will supply the club with one free monthly disk each month. This can be either the VIC 20, the Commodore 64 or the PET/CBM disk. If 45 or more people join at the same time, then 2 free disks are sent out. If 60 or more members are enrolled, then all 3 monthly disks are supplied. All disks are sent Air Mail for speedy service.

We hope that this group rate will enable other clubs to serve their members better. Many clubs are putting out their own newsletters. If it is

possible, we would like to receive copies of your newsletter. These help us to know what is happening in other clubs, and from time to time, we will reprint articles from them in TPUG Magazine. Permission to reprint articles published in TPUG Magazine will normally be granted with the expectation that a credit will be given to TPUG. For author-copyrighted material the group wishing to use the material will have to contact the author to obtain permission to reprint.

Another advantage of TPUG is the centralized pooling of programs for all the Commodore machines. This will result in a much larger program library since many good programs are only distributed locally whereas the TPUG library is distributed all over the world.

More than 450 members of the Windsor PET Educators Group, London Commodore Users Club, Genesee County Area Pet Users Group (Michigan), Indian Affairs Teachers Using Computers, Michigan's Commodore 64 Users Group, Sacramento Commodore Computer Club, Edmonton Commodore Users Group, Guelph Computer Club, Compucub of Oregon, Commodore Users Club of Sudbury, The Commodore Users Group of St. Louis, Inc. and Ottawa Commodore User Group are currently taking advantage of the group rate.

History of Commodore...

Commodore currently offers a highly diversified range of microcomputers. This was not always the case. In 1977, Commodore came out with a home computer called the PET 2001. PET stood for Personal Electronic Transactor and consisted of a very small calculator keyboard, a 9-inch screen and a built-in cassette drive--all in one package. Also included were 8K of RAM and a 16K BASIC in ROM. This BASIC is now known as BASIC 1.0 or original ROM.

Commodore then released a large keyboard PET 2001 with an external cassette. Some small changes were made to the BASIC to fix bugs and allow a disk drive to be added. This BASIC is now known as upgrade ROM or BASIC 2.0 (BASIC 3.0 in some parts of the world).

The next Commodore was the CBM 8032, an 80-column business computer with BASIC 4.0 in 20K of ROM. This improved version had some extra disk commands added and an improved string collection routine (garbage collect). Along with the CBM 8032 came the CBM 4032 computer, a 40-column PET with BASIC 4.0 and a 9-inch screen. A little later, the CBM 4032 arrived with a 12-inch screen (this is now called the FAT 40). There are subtle differences between the two versions of the 4032, mostly with programs that use machine language. The final release of this series is the SuperPET, an 8032 with an additional 6809 processor, 96K and five programming languages. At the same time the CBM 8096 was released. This is an 8032 with an additional 64K of RAM.

The VIC 20 was Commodore's entry into the mass marketing of home computers. With a 22-column screen and only 5K of memory, many of us did not take it seriously. However, now it is the largest selling computer in the world with over one million sold in 1982 and two million sold in 1983. This machine comes with BASIC 2.0 similar to the old

'upgrade' ROM PETs. This means no built-in disk commands and the return of slow 'garbage collect'.

In 1982, Commodore introduced the Commodore 64 which, like the VIC 20, has BASIC 2.0, but comes with a full 64K of RAM. Also new is the "B" series which is Commodore's latest generation of computers. These machines contain either 128K or 256K of RAM and an extended BASIC 4.0.

The following is a list of the computers that Commodore has released:

PET 2001	(BASIC 1.0)
PET 2001	(BASIC 2.0)
CBM 8032	(BASIC 4.0)
CBM 4032	(BASIC 4.0)
CBM 4032	(BASIC 4.0--FAT 40)
SuperPET	(8032 with a 6809 CPU)
CBM 8096	(8032 with 96K memory)
VIC 20	(BASIC 2.0)
Commodore 64	(BASIC 2.0)

Torpet Back Issues...

Back issues of the TORPET are available for \$2.00 each from the club office (except for issues #1, #2, and #3 which are \$1.00 and issues #12 and #14 which are \$3.50. Our first issues were relatively small: #1, #2 and #3--4 pages; #4--8 pages; #5--16 pages. All the rest include 24 or more pages.

As of November 1983, there have been 25 issues of the TORPET. Each new issue of the club magazine is mailed in Canada near the middle of the previous month, e.g. the August 1983 issue was sent out approximately the middle of July, and out of Buffalo to American members about a week later.

TPUG Library...

Programs that run on one machine do not necessarily run on another. Because of this fact, our library has been divided into 5 sub-libraries:

- *C* Commodore 64 *V* VIC 20
- *P* PET/CBM *S* SuperPET
- *O* Old TPUG prior to March/83

If you wish to order disks or tapes from our library, please make sure that the programs you order are compatible with the machine you own.

Disk Identification

The disks within a library are organized according to a two-character code. The first character is the CATEGORY code (B for business, U for utility, etc.) The second character is a sequence number to separate all the disks in the same group. For example, E1 is Education disk number one, U9 would be Utilities disk nine and UA would be Utilities disk ten. The LIBRARY to which a disk belongs is indicated by a library code in brackets. For example (C)B3 would be the third Business disk in the Commodore 64 library.

The Category Codes are:

- A Assembler/Machine language
- B Business
- C Communication
- D Misc. Commodore 64
- E Education
- G Games
- L Language
- N Mathematics/Science
- S Music
- T TPUG Monthly Releases
- U Utilities
- X Best of Series
- Z Miscellaneous

Disk Format...

Over the last few years, Commodore has released a number of disk drives for their wide variety of computers. These include the 2040, 4040, 2031, 8050, 1540, 1541, 8250 and 2031SL.

These drives can be divided into two major groups. One is the 35-track, 170K disk drive found in the 2040, 4040, 2031, 1540 and 1541. The second is the 77-track, 500K disk drive found in the 8050 and 8250.

The 2040 disk drive is the original version available for the PET. It contained DOS version 1.0. The 4040 came out next with DOS 2.0 and uses 6 less sectors than the 2040. THIS 4040 FORMAT IS NOW THE STANDARD WHICH WE USE IN COPYING DISKS IN THE 35-TRACK FORMAT. A 4040 disk can be read by the 2031, 1540, 1541 and 2031SL disk drives. However, it is possible that some of these single disk drives MAY not be able to WRITE programs onto one of our disks because of a difference in timing.

The 8250 disk drive is a double-sided version of the 8050 and can read an 8050 disk. Since the 8250 disk takes twice as long as the 8050 disk to format, IN THE 77-TRACK FORMAT, WE ONLY DISTRIBUTE 8050 DISKS.

To further document programs on disk or tape, there are PROGRAM codes on all the releases since February 1983. A period plus the program code is appended to the end of each program name on the disk or tape.

The Program Codes are:

- .Z All Commodore machines or unspecified
- .P All PET/CBM machines
- .4 40-column PET/CBM, 9" screen
- .F Fat 40, 40-column PET/CBM 12" screen
- .8 80-column CBM
- .S SuperPET/S9000

- .V VIC 20
- .C Commodore 64
- .B B series (available soon)

- .D Data or Sequential files
- .L List-Me file (one-line documentation)
- .W Word processing files

All disks/tapes described in this catalogue follow these conventions except for the Commodore Educational Software (see p.12).

List-Me Copyright...

'List-Me' files (one-line documentation) are on all the disks/tapes which have been added to the library since March 1983. These 'List-Me' files are subject to the following:

"Copyright (C) 1983, Toronto PET Users Group Inc."
This means that it is all right to copy 'List-Me's', but they are not to be sold or published for profit.

Tape/disk of the Month...

There are now three libraries which have monthly releases: VIC 20, Commodore 64, PET/CBM (The SuperPET library often has a monthly release as well.)

Monthly releases can be obtained by those attending a club meeting at a special price. In addition to a selection of programs submitted by members from all around the world, a monthly release often contains programs demonstrated at the meeting. (At the VIC 20 meeting a version on tape is available for \$5.00.)

These tapes and disks of the month may be obtained individually by members from the club office. To save the necessity of constantly having to order the current monthly disk/tape, members can order any number of months in advance and the disks or tapes will be sent automatically.

The request must include:

1. Membership number.
2. Return address.
3. Whether tape or disk is desired (disk format).
4. Which library is desired.
5. Sufficient payment for the # of disks or tapes ordered.

These monthly disks/tapes are coded with a "T". The series from T1 through TJ covered meetings up to May 1982 and was retired and the contents merged into the appropriate category disks.

Commodore 64 Library

Librarians - David & Richard Bradley 416/782-8900, 416/782-7320

The following disks and tapes are specifically for the Commodore 64. In March 1983, we started releasing a monthly C-64 disk and tape to coincide with our monthly C-64 meetings. Though this computer has been available for only a short time, the program library is building quickly. See p.7 for the complete list of disk and program codes.

NOTE: Only **ONE TAPE** is required for each C-64 listing.

Some are available only on disk. **"(disk only)"** appears under the title.

All of the programs on the 58 disks in the "E" series (see Commodore Educational Software, p.12) work on the C-64. Also, the Best of PET/CBM disk (0)X5 will run on a C-64 equipped with a disk drive.

Games...

(C)G1-PICTURES 1 (disk only)

LIST-ME (C)G1.L
CONT.LDR.ML
HI RES LOADER
SCREEN
CONT.LDR.PAL
SPIRAL.1
SUE
KAREN
SNOOPY
ALBERT
DOLLAR
DIP
SNAIL
DES.1
7-3HILL
MUSIC
MAP
DIANE
WILLY
RACCOON
SINCOS1
WATCH
WINSTON
MICROMETER
NUDE

(C)G2 - PICTURES 2 (disk only)

LIST-ME (C)G2.L
CONT.LDR.ML
HI RES LOADER
SCREEN
CONT.LDR.PAL
SQUEEZE
TEX
HOPALONG
GUY
FIG1
FIG2
FIG3
MOUND2
EYES
FRIENDS
SINCOS2
SATELLITE
DONALD.DUCK
VM.THINGS
SESAME.ST
NUDE.REV
VIS.ROSETTE
VIS.G1A
XMAS.CARD.1
4HILL5

(C)G3-EMULATOR GAMES 1

PET EMULATOR
LIST-ME.(C)G3.L
OSC LUNAR
STAR WARS
STAR TREK
LUNAR LANDER 1
LUNAR LANDER 2
SUPER STAR TREK
ELIZA
KLINGON CAPTURE
EASY DUNGEON
PLANET PROBE
AFO WITH SOUND
ATARI II
STAR WARS TRANIN
DEEPSPACE

(C)G4-EMULATOR GAMES 2

PET EMULATOR
LIST-ME (C)G4.L
HUNTER SATELLITE
STARBASE&UFO
SPACESHOOTER
SUPERLANDER
C.C.STARWARS INS
C.C.STARWAR
HANGMAN 1
HANGMAN 2
HANGMATH
MATH IQ
ANDROID NIM
REVERSE
3D TIC-TAC-TOE
NIM
BAGELS
REVERSE #S
BINGO
BAGELX2
STARS
MASTERMIND
CRYPTO
KENO
MAGIC SQUARE

(C)G5 - EMULATOR GAMES 3

PET EMULATOR
LIST-ME (C)G5.L
BRAIN STRAIN
PIGS
CRAPS ODDS
LETTER 15
CONCENTRATION

FAMOUS PHRASES

GUESS IT
TIC-TAC-TOE
JOTTO
HORSE RACE
ARROW
POKER
DEFLECTION
BATTLESHIPS
BREAKOUT
ROBOT CHASE
DAMBUSTERS
LABYRINTH
BOWLING
BLACK JACK 1
BLACK JACK 2
BLACK JACK 3
SOLITAIRE

(C)G6 - EMULATOR GAMES 4

PET EMULATOR
LIST-ME (C)G6.L
OTHELLO
TOKER
KENTUCKY DERBY
RACETRACK
CHECKERS 1
CHECKERS 2
MOTORCYCLE
PETALS ARND ROSE
CHASE ROBOT
SNAKES
TARGET
GO-MOKU
ROULETTE
AWARI
LIFE WAR
FLIGHT SIMULATOR
BLACK BOX
BOMBER
PRO FOOTBALL
SKI
PINBALL
DUCKSHOOT

(C)G7 - EMULATOR GAMES 5

PET EMULATOR
LIST-ME (C)G7.L
STOCK
CRAZY 8'S
KILLER BUNNIES
FAULTY
CARD SNAP
DEPTH CHARGE

CARDS UTILITY GRUNGY TOWERS

BREAKOUT
DRAW.POKER
SUBMARINE!
BILLIARDS!
CLUE
DRAGON.MAZE!
GUNNER
DICE.PIG
OSERO

(C)G8 - EMULATOR GAMES 6

PET EMULATOR
LIST-ME (C)G8.L
YAHTZEE
BOWLING
BLACKJACK.ALT
HORSES
BRIDGE BID TRAIN
SOLITAIRE POKER
WUMPUS.ALT
SLOTS/JACKPOT
TREES
KNIGHT.TOUR.SOL
ARTILLERY TRAP
CHECKERS.ALT
BASKETBALL
MUGWUMP
SINNERS
GOLF

(C)G9 - EMULATOR GAMES 9

PET EMULATOR
LIST-ME (C)G9.L
OHARE'S #1
OHARE'S #2
OHARE'S #3
WIZARD'S CASTLE
TRIP TO ATLANTIS
KING TUT
SORCERERS CASTLE

(C)GA - EMULATOR GAMES A

PET EMULATOR
LIST-ME (C)GA.L
BLOCKADE
SEABATTLE INST
SEABATTLE
PIRATE ADVENTURE
WILL O' WISP
PET NUC PWR PLNT
BASEBALL 7.4
SUPERTREK/16NR
PINBALL

Music/ Sound...

(C)S1 - MUSIC/SOUND 1

LIST-ME (C)S1.L
THE KANON.C
BACH FUGUE
ENTERTAINER.C
YESTERDAY.C
BACH DUET.C
ORGAN.C
DIXIE.C
TWINKLE.C
YANKEE.C
GUNFIRE.C
PONG.C
RAYGUN.C
SIREN.C
ALIEN.C
BELL.C
BOMB.C
CLAP.C
PIANO.C

(C)S2 - Music/Sound 2 1 disk/tape

RAINBOW.C
MUSICBOX DNCER.C
BCH PRELUDE.C
BACH INVENTN #8.C
MORNING BROKEN.C
FROSTY.C
SOUNDER.C
MUSICMASTER.C
ORGAN.C
SIDMON.C
MUSIC LESSON.C
FUGUE.C

(C)S3 - Music/Sound 3 1 disk/tape

LIST-ME (C)S3.L
SOUND TUT-1.C
SOUND TUT-2.C
PETER PIPER.C
SOUND/RING MOD.C
SOUND/PHASE.1.C
DIALER.C
RAGTIME.C
SOUND EFFECTS.C
AMERICAN FLAG.C
RETUNER.C
BIRTHDAY.C

Education...

(C)E1-TUTORIALS 1

LIST-ME (C)E1.L
PONZO TUTOR-1.C
PONZO TUTOR-2.C
PONZO TUTOR-3.C
PONZO TUTOR-4.C
PONZO TUTOR-5.C
PONZO TUTOR-6.C
PONZO TUTOR-7.C

(C)E2-TUTORIALS 2

LIST-ME (C)E2.L
SPRITES TUT-1.64
SPRITES TUT-2.64
GRAPHIC TUT-1.64
GRAPHIC TUT-2.64

(C)E3 - MANUAL PRGS 1

LIST-ME (C)E3.L
REF.PAGE 20.1
REF.PAGE 45.1
REF.PAGE 85.1
REF.PAGE 110.1
REF.PAGE 111.1
REF.PAGE 114.1
REF.PAGE 117.1
REF.PAGE 118.1
REF.PAGE 119.1
REF.PAGE 123.1
REF.PAGE 123.2
REF.PAGE 126.1
REF.PAGE 127.1
REF.PAGE 130.1
REF.PAGE 139.1
REF.PAGE 142.1
REF.PAGE 142.2
REF.PAGE 146.1
REF.PAGE 147.1
REF.PAGE 148.1
REF.PAGE 153.1
REF.PAGE 159.1
REF.PAGE 160.1
REF.PAGE 161.1
REF.PAGE 163.1
REF.PAGE 165.1
REF.PAGE 167.1
REF.PAGE 181.1
REF.PAGE 185.1
REF.PAGE 187.1
REF.PAGE 193.1
REF.PAGE 197.1
REF.PAGE 200.1
REF.PAGE 203.1
REF.PAGE 205.1
REF.PAGE 206.1
REF.PAGE 207.1
REF.PAGE 208.1
REF.PAGE 344.1
REF.PAGE 347.1
REF.PAGE 356.1
REF.PAGE 357.1
REF.PAGE 371.1
USER.PAGE 43.1
USER.PAGE 44.1
USER.PAGE 46.1
USER.PAGE 47.1
USER.PAGE 49.1
USER.PAGE 51.1
USER.PAGE 58.1

USER.PAGE 65.1
USER.PAGE 71.1
USER.PAGE 76.1
USER.PAGE 78.1
USER.PAGE 80.1
USER.PAGE 81.1
USER.PAGE 85.1
USER.PAGE 86.1
USER.PAGE 87.1
USER.PAGE 88.1
USER.PAGE 90.1
USER.PAGE 90.2
USER.PAGE 99.1
USER.PAGE 110.1
USER.PAGE 111.1
USER.PAGE 145.1
USER.PAGE 146.1
USER.PAGE 147.1

(C)E4 - 6510 OPCODES

1 disk
LIST-ME (C)E4
6510 OPCODES.C
ADC.D
ADCQ.D
AND.D
ANDQ.D
ASL.D
ASLQ.D
BCC.D
BCCQ.D
BCS.D
BCSQ.D
BEQ.D
BEQQ.D
BIT.D
BITQ.D
BMI.D
BMIQ.D
BNE.D
BNEQ.D
BPL.D
BPLQ.D
BRK.D
BRKQ.D
BVC.D
BVCQ.D
BVS.D
BVSQ.D
CLC.D
CLCQ.D
CLD.D
CLDQ.D
CLI.D
CLIQ.D
CLV.D
CLVQ.D
CMP.D
CMPQ.D
CPX.D
CPXQ.D
CPY.D
CPYQ.D
DEC.D
DECQ.D
DEX.D
DEXQ.D
DEY.D
DEYQ.D
EOR.D
EORQ.D
FILE NAMES.D

INC.D
INCQ.D
INX.D
INXQ.D
INY.D
INYQ.D
JMP.D
JMPQ.D
JSR.D
JSRQ.D
LDA.D
LDAQ.D
LDX.D
LDXQ.D
LDY.D
LDYQ.D
LSR.D
LSRQ.D
NOP.D
NOPQ.D
ORA.D
ORAQ.D
PHA.D
PHAQ.D
PLA.D
PLAQ.D
PLP.D
PLPQ.D
ROL.D
ROLQ.D
ROR.D
RORQ.D
RTI.D
RTIQ.D
RTS.D
RTSQ.D
SBC.D
SBCQ.D
SEC.D
SECQ.D
SED.D
SEDQ.D
SEI.D
SEIQ.D
STA.D
STAQ.D
STX.D
STXQ.D
STY.D
STYQ.D
TAX.D
TAXQ.D
TAY.D
TAYQ.D
TSX.D
TSXQ.D
TXA.D
TXAQ.D
TXS.D
TXSQ.D
TYA.D
TYAQ.D
D1.W
D2.W
D3.W
D4.W
D5.W
INST.LIST.D
INST.LIST.PRT.C

Utilities...

C-64 Library

(C)U1 - UTILITIES

1 disk/1 tape
LIST-ME (C) U1.L
1541 BACKUP.C
64 MEM CHART.C
64 RENUMBER.C
B-MONITOR.C
BASE.C
C-64 WEDGE.C
C64 PER SCREEN.C
CHECK DISK.C
COLOUR BAR 2.C
COLOUR COMBO.C
COPY FILE.C
COPY FILES.C
COPY-ALL.C
DEC DUMP.C
DEMO JOYSTICK.C
DIALER.C
DIR.C
DISK ADD CHNGE.C
DISK LOG.C
DISKVIEW 2.C
DISPLAY T&S.C
DISSASSEMBLER.C
DOS 5.1
DUMP .C
EMULATOR
FORMAT.C
HOW PART TWO
HOW TO USE.C
INTERMOD.C

J/20 MORSE R/T.C
JOY 2.C
LISTER.C
LISTER 2.C
LOCKDISK 64
LOTTERY DRAWER.C
MENU.C
MOVING SIGN.C
PCB PRINTER.C
PERFORM TEST.C
PET EM.C
PET EMU BOOT.C
PET EMULATOR.C
PETLOAD PRGM.P
PRINTER TEST.C
PRG CONVERT.C
PRG FUNCTION.C
RANDOM FILE.C
RND COLR BARS.C
SCREEN.C
SEQ FILE.C
SPARKLE.C
SUPERMON INST.C
SUPERMON V2.C
TIMER.C
VICLIST.C
VIEW BAM.C
WEDGE-64-\$9000.C
WEDGE-64-\$C000.C
WEDGE-64.\$7000.C
WEDGE-64.\$8000.C

Best of...

(C)X1 - BEST DEMOS 1

(disk only)

LIST-ME(C)X1.L
BOOT.UK1
KEY
SCROL
DEMO FIN
BOOT2
HUF0
MUSIC2
SPRITES
BOOT.UK2
MUSIC
LAND
DEMO
BOOT.CLYDE
DEMO.GUTS1
DEMO.C000
DEMO13
NUCLEAR DEMO
C64 CON DEMO
BOUNCE M/C
SPRITE.DATA BIN
CHRISTMAS
CHRISTMASMUSIC
CHRISTMASCODE
CHRISTMASROOT

(C)X2 - BEST EDITORS

(disk only)

LIST-ME(C)X2.L
SPRITE BOOT.C
SCROLL.DAT.D
SPRITE EDITOR.D
SAMPLE SPRITES.D
SPRITE INSTR.C
SPRITE MAKER.C
SPRITEMAKER.C
SPREDIT.C
SPED.C
CHAR BOOT.C
ROTATE.DAT.D
STANDARD.SET.D
CHAR EDITOR.D
CHAR INSTR.C
CHRED.C
CHAR DISPLAY.C
1525 CHAR.EDIT.C
CHARGEN PEEK.C
CHARACTER GEN.C

Monthly Releases...

C-64 Library

(C)TS - MARCH 83

LIST-ME (C)TS.L
MONTANA.C
MONOPOLE.C
LABYRINTH.C
PIANO.C
DISKVIEW.C
SPRITE-BOOT.C
+SCROLL.C
+SPRITE ED.C
DOS.BOOT.C
+DOS 5.1.C
+DOS.INST.L
COPY-ALL.C
1541 BACKUP.C
SUPERMONV1.1.C
SPRITE MANIP.C
TERMINAL.C
TERM.C

(C)TT - APRIL 83

LIST ME (C)TT.L
PONZO TUTOR-1.C
PONZO TUTOR-2.C
PONZO TUTOR-3.C
PONZO TUTOR-4.C
PROG CONVERT.C
PADDL TEST.C
PRNT PADDLES.C
TERMINAL DOC.C
LISTER.C
1525 CHAR.EDIT.C
KAT \$ MOUSE.C
CLIFFY.C
MIN2.INS.C
MINOTON 2.C
TIME VEN INST.C
TIM VEN SETUP.C
TIME ADVENTURE.C

(C)TU - MAY 83

LIST-ME (C)TU.L
PONZO TUTOR-5.C
PONZO TUTOR-6.C
PONZO TUTOR-7.C
BACH FUGUE.C
ENTERTAINER.C
TERMINAL.64.2.C
TERM.64.C
NIGHTMARE PARK.C
WHEEL FORTUNE.C
YESTERDAY.C
C-64 GRAPHER.C
64 H-R PLOT M/L
BLACKJACK.C
BIRTHDAY.C
TWIN BAGELS.C
SUBMARINES.C

(C)TV - JUNE 83

LIST-ME (C)TV.L
SLIDESHOW.C
HRSUPP.D
HRSUPP/BASIC.C
HRSUPP.SRC.C
HRTEST.C
DRAGON.D
TANK.D
POLISH.D
BLITHER.D
UNCLE.D
GLOCKENFLUTE.D
RATRUN.C
SPACE NIM.C
BIO-COMPAT.C
BIO-PLOTTER.C
BIO-PRINTER.C
HANGMAN.C
A STORY.C

SUPERMON.C
SUPERMON INST.C
SOUND HELPER.C

(C)T1 - SEPT 1983

LIST-ME (C)T1.L
ADDRESS BOOK.C
AFO.C
BLACK JACK.C
CHARACTER GEN.C
CIRCLES.C
COPY FILE.C
COPY-ALL.C
CROSS-REF.C
DIALER.C
DISK LOG.C
EASY EDIT.C
EASY MATH.C
FROSTY.C
HELI.C
HIRES.BOOT.C
HIRES.D
HRSUPP.D
KEYBOARD INTRO.C
KSCOPE.C
LOCKDISK.C
LOTTERY DRAWER.C
PET EM.C
PET EMULATOR.C
PROG CONVERT.C
REVERSE.C
RONNIE.D
SLADY.D
SLIDESHOW.C
SOUTRAINS.C
SPARKLE.C
SPRITE EDIT.C
STAR TREK.C
SUPERMON.V2.C
TOKER.C

(C)T2 - OCT 1983

LIST-ME (C)T2.L
COL PICT BOOT.C
DIANE.D
COLOUR PICT.D
DIANE DATA.D
MOTION.C
MAP BIN.D
SCRCLR ASM.D
WORD PROCESSOR.C
BOOT MATH.C
MUSICA.D
POLLY STR.D
MATH.D
PZ BOOT.C
TOWERS.D
THIRTEEN PEGS.D
E PUZZLE.D
SWITCH.D
PEGSOL.D
JUMPING JACK.C
SOUND EFFECTS.C
SITTING DUCK.C
DUCK DATA.D
COIN FLIP 1.C
COIN FLIP 2.C
COIN FLIP 3.C
CHARGEN PEEK.C
CHAR DISPLAY.C
STRING THING.C
VISIBLE.C
FORMAT.C
I BOOT.C
SYS 40784.D
CC B.D
IADOREMY64.D

(C)T3 - November 83

1 disk/tape
SUPERTREK.C
CLOCK.C
RAINBOW.C
DOS IN BASIC.C
COLUMN CALC.C
COMBINAT WARS.C
TYPING PRACT.C
NON EXEC.Z
SAMPLE.D
CAVES.C
SD FILE COPIER.C
ALARM CLOCK.C
DISK MENU 64.C
SPELLING GAME.C
CHECKBOOK.C
BALANCE.D
TRCOUNTER.D
LONG DIVISION.C
MAIL.C
SUPERKEY.C
GRAFIX INSTR.C
GRAFIX RTNS.C
BOX.C
DESIGN.C
MOVING SIGN.C
WEDGE-64.\$7000.C
WEDGE-64.\$8000.C
WEDGE-64.\$9000.C
WEDGE-64.\$C000.C
TOKENIZER.C

Miscellaneous...

(C)B1 - BUSINESS 1

LIST-ME (C)B1.L
INTEREST.C
BOOKKEEPING.C
LUMP SUM.C
BOND YIELD.C
FICA TAX.C
STOCK OPTION.C
STOCK LIST.C
LOAN.C
IREG CASH FLOW.C
INVESTMENT.C
INVENTORY.C
GROWTH CALC.C
DECISION MAKER.C
FINANCIAL CALC.C
PORTFOLIO.C
MORTGAGE.C
MORT SCHED.C
MORT CALC.C
MORTGAGE.Z
MEMORANDA.C
INVOICER.C
DATES.C
MILEAGE.C
MARKS.C
GROWTH RATE.C

DAY OF WEEK.C
CALENDER.C
TYPING TEST.C
BUSPRCASHROI.C
APARTMENT.C
COPS BASE TAPE.C
COPS BASE DISK.C

(C)B2 - BUSINESS 2

LIST-ME (C)B2.L
WORD PROCESSOR.C
EASY EDIT.C
TYPEWRITER.C
TYPER.C
TEXT EDITOR.C
MINIWORDPRO.C
FOOD PRICES.C
HEATING COST.C
MONEY EXCHANGE.C
PROPERTY EVAL.C
WEIGHT WATCHER.C
MEMORANDA.C
LIFE EXPECT.C
TEMP CONVERT.C
REG'D SUPPLY.C
BIO-COMPAT.C
BIO-PLOTTER.C

BIO-PRINTER.C
CAR COST MILE.C
RECIPE SIZER.C
ADDRESS BOOK.C
RECORDINGS.C
LIBRARY CARDS.C
CHECKBOOK.C
MAG INDEX.C
BIORHYTHM.C

(C)C1 - COMMUN. 1 (disk only)

LIST-ME (C)C1.L
--PET/CBM TERM'LS
AUTODIAL TERM
TERMINAL.R12
TERMINAL/16K
--SUPERPET TERM'L
TERMINAL.S12
--C64 TERM'L
TERMINAL.64
--MACHINE LANG.
TERM.R12
INTELCOM3/40
INTELCOM3
INTELCOM4
TERM.R12A/16
TERM.64

AUTODIAL ML
SUPERCOM
--IEEE MODEM TERM
TERMINAL.I12
TERM.I12
-INSTR'N READERS
SEQ. READ/PRINT
WP. READ/PRINT
--INSTRUT'N FILES
AUTODIAL INST
INTELCOM
TERM INST.WP 1
TERM INST.WP 2
RS232 DOC
--OTHER PRGMS
FREQ GENERATOR!
VT52.BASIC
VT52.BIN
CBM 8010
COMM PRIMER
8010 MODEM DRIVR
LOGGER
MORSE TUTOR
MORSE-BTTRFLD
TERMINAL DOC
TOKENIZER

(C)D4 - C-64 MISC. (from TL,TP,TQ,TR)

LIST-ME (C)D4.L
STRING THING.C
COPY-ALL.C
BIT MAP PLOT.C
BUGS.C
SPRITE MAKER.C
PI HUNT.C
VISIBLE.C
FACTORS.C
GERMAN BOMBER.C
LONE RANGER.C
CHAR DISPLAY.C
DRAW POKER.C
REVERSE.C
ENTERPRISE.C
DOMINOES.C
MILLE BOURNE.C
SPADE.INSTRUCT.C
SPADES.C
LABYRINTH.C
TOMBS.C
TAX 82 ONT V1.0.C
INVOICER.C
CONSTRUCTOR.C
EXPANDER.C

SuperPET Library

Librarian - Gerry Gold, 416/225-8760

If you own a CBM 8096 or a SuperPET, you can use disks designed for the CBM 8032 in the "O" and "P" libraries, (see p.16) as well as those listed below. When using programs for the 40-column PET in conjunction with program CBM 4032 v2.1 you will have difficulty with the programs activated by the number pad. On the SuperPET and CBM 8096 the equivalent keys may be anywhere on the keyboard.

Note: The following listings are **not** available on tape.

File names **must** be in lower case to be read easily by Waterloo APL.

(S)T1 - APL

byteapr81pa194
scans
etimar79page24
help
tutorial
publications
byteoct80pa192
bytejul81pa331
apl.index
apl.examples1
apl.examples2
apl.examples3
apl.files
apl.dos
apl.mastermind
wscreate
wsconv.aplold
dfconv.aplold
sep27
print
pert
matrix
apl.plot

(S)T2-ASM/BAS/FTN

files-waterloo
mnemonics
directives
development
disas.asm
disas.cmd
crt.asm
crt/b09
disas.b09
crt.list
disas.lst
disap.map
disas.mod
disas.exp
screen dump
get-keyboard
screen-dump
plot-8300p.wp
plot-8300p
checksums
checksum-results
smooth.dat
print.file
resample.ftn
periodic.ftn
regression.ftn
periodogram.ftn
spectrum.ftn
integration.ftn

(S)T3-APL ETC.

aplsort
masterapl
utilityapl
statsapl
primesapl
telecommapl
aplcopy
rapl
spetrs232
apl-article-e
totalcobol
fortranplot
primfortran
realdirect
imagdirect

(S)T4 - MARCH 83

astro
driver
scramble
start
baid9
edit9
menu9
mmon9
baid instruction
micromon ins
apl chars
lister.bas
quicksort.bas
knights-tour.bas
concentrate.bas
black-jack
tic-tac-toe
fib.asm
fib.cmd
fib.b09
fib.mod
treesort.pas
hanoi.pas
fib.pas
fact.pas
directory.asm
directory.cmd
directory.lst
directory.b09
directory.map
directory
directory.exp
directory.ins.wp
supercat@32000
directory.mod
insane

(S)T5 - EDA

eda.overview.txt
eda.scats.inf

eda.condense.inf
eda.boxplot.inf
eda.compare.inf
eda.line.inf
eda.ctable.inf
eda.medpol.inf
eda.smooth.inf
eda.center.inf
eda.regress.inf
eda.addfit.inf
eda.stemleaf.inf
eda.displays.inf
eda.cmpriins.inf
eda.relation.inf
eda.tables.inf
eda.smoothing.inf
eda.fitting.inf
eda.mainextra.aws
eda.stemleaf.afn
eda.rownames.afn
eda.boxplot.afn
eda.fill.afn
eda.condense.afn
eda.dscat.afn
eda.scats.afn
eda.line.afn

eda.compare.afn
eda.medpol.afn
eda.ctable.afn
eda.a3r.afn
eda.b3r.afn
eda.smooth3r.afn
eda.split.afn
eda.smoothr.afn
eda.center.afn
eda.regress.afn
eda.addfit.afn
eda.discover.adt
eda.labels.adt
eda.insects.adt
eda.phones.adt
eda.airmiles.adt
eda.acids.adt
eda.crimes.adt
eda.lobsters.adt
eda.deaths.adt
eda.fselect.adt
eda.apptable.adt

(S)T6 - MAT-HELP

bank user

sp.b.mov.v1
screen0
screen1
screen2
screen3
screen4
screen5
screen6
screen7
screen8
screen9
basic mover
mem. linker
prg. linker.asm
hlp. linker.asm
com. linker.asm
mem. linker.cmd
apl.text.ed
apl.describe.ed
apl.util
apl.i/o
apl.plot.v2
ascii.cbm
seqfil.v1.5
seqfil.v1.5.gt



Commodore Educational Software

(Works on PET and C-64 computers)

In November of 1983, TPUG received from Commodore Canada the upgraded and enlarged Commodore Educational Software Library. This series consists of 58 diskettes which are identified in our library by a three-character ID starting with (E). These programs are a subset of those worked on by the school boards in the Metro Toronto area. Many of them are updated versions of programs already in our PET library.

ALL these programs, except for those identified by (E)D?, have been modified to work on the following computers: PET 2001 (BASIC 2.0), PET 4000 (BASIC 2.0 OR 4.0, 9- and 12-inch screens), CBM 8032 (use CBM 4032 v2.1), and the Commodore 64. The (E)D? disks have been designed specifically for the Commodore 64.

NOTE: The documentation for the whole series will be available shortly.

Each listing is contained on one disk or on the number of tapes indicated under the heading.

English...

(E)EA - ENGLISH 1 (1 disk/2 tapes)

A JOURNEY
A OR AN
A STORY
AFFECT EFFECT
ALPHA'ZATION
ALPHA
ALPHABET QUIZ
ALPHABET WORM
ALPHABET
ALPHABETIZING
ALPHABETIZING
ALPHABETTER
ALPHASHIFT
ANTONYM
ANTONYMS CONC
CINQUAIN

(E)EB - ENGLISH 2 (1 disk/2 tapes)

CLOZE TESTV1
CONTRACTIONS
CRYPTO
DEF-N-SPELL
DEFIN'N MATCH
DEFINE&SPELL
DEFINITION
ENGLISH
FLASH
FLOOGEPRINTER
GRAMMAR 2
GRAMMAR
GUESS THAT WORD
HAIKU
HANGMAN (6)
HANGMAN 1

(E)EC - ENGLISH 3 (1 disk/2 tapes)

HANGMAN 2
HANGMAN 3
HANGMAN 5
HANGMAN 6
HANGMAN 7
HOMOONYMS CONC
HYPHEN
INIT DIGRAPHS

INSERT

JOTTO
KEYWORDS
LETTER RECOG
LETTER SEQU
MACBETH QUIZ
MADLIB
MATCH LET

(E)ED - ENGLISH 4 (1 disk/2 tapes)

MATCH MEAN 5
MATCH MEAN 6
MATCH MEAN 7
MEDIAL VOWELS
MISSING LETTER
MISSPELLING
MM ADVERB FORMS
MM AVB FORMS
MM CR COMX
MM CRL 1
MM DARK WOOD
MM HOMONYMS
MM LAD VF
MM SAD STORY
MM SHARE TIME
MM VB FORMS 1
MM VB FORMS 3
MM VB FORMS 4

(E)EE - ENGLISH 5 (1 disk/2 tapes)

MM VB FORMS 5
MM VB FORMS 6
MM VB FORMS 7
MM VB FORMS 8
MM VB FORMS 9
MM VERB FORMS
MM WORD 2
MM WORD MEANS
MM WORDS 1
NEW TACHISTO
NOT SO EASY
NOUNS
OLD PROVERBS
P'BLEM P'NOUN
PARTS SPEECH
PAWS
PET PIT PAT POT

(E)EF - ENGLISH 6 (1 disk/2 tapes)

PLURALS
POEMS
POET
POETRY
Q'S AND Z'S
READ LEVEL & EVAL
READER
RHYMING
ROMEO & JULIET
S-SPELL
SCRAMBLE 4
SCRAMBLE 5
SCRAMBLE 6
SCRAMBLE 7
SCRAMBLE 8
SCRAMBLE
SCRAMBLEWORD

(E)EG - ENGLISH 7 (1 disk/2 tapes)

SENT ANALYSIS
SHAKESPEARE
SNERD

SNOWY DAY NOUNS

SP'G ERRORS 5
SP'G ERRORS 6
SPEED READ 2
SPEED READING
SPEED SPELL 2
SPEED SPELL 3
SPEED SPELL 4
SPEED SPELL 5
SPEED SPELL 6
SPEED SPELL 7

(E)EH - ENGLISH 8 (1 disk/2 tapes)

SPEED SPELL
SPELL BEE
SPELLER
SPELLING 1
SPELLING 2
SPELLING
SPELLING TUTOR
STORY WRITER.VII
SWAP OLD ROM
SWAP
SYLLABLES

TACHISTSCOPE
THEIR THERE
THE WORD MARKET
TWENTY QUESTIONS
TWO TO TOO
UNSCRAMBLE

(E)EI - ENGLISH 9 (1 disk/2 tapes)

VERB CHOICE
VOCABULARY3
VOCABULARY4
VOWEL MAGIC
WORD DEMO
WORD DRILL
WORD HUNT
WORD INVADERS
WORD MACHINE
WORD POWER
WORD POWER2
WORD QUEST
WORD SEARCH
WORDSHOOT

Business/Admin...

(E)AA - ADMIN. 1 (1 disk/2 tapes)

ANALYSIS
ANSWER BOX
DOG
EXAM2
FIGHT
GRADES
QUIZ FRAMEWORK
READABILITY
SCHOOL-MARM
SEX EDUCATION

(E)BA - BUSINESS 1 (1 disk/2 tapes)

ACCOUNTING
AMORT'N TABLE
AMORTIZATION
BONDS
CALENDAR
COMMODITY
COMP TYPING
COST GOODS SOLD
DATE
DEBIT & CREDIT
DEBIT CREDIT
DEPREC & PAYMENT
DEPRECIATION
F.I.F.O.
GROSS PAY
ICE CREAM

(E)BB - BUSINESS 2

(1 disk/2 tapes)

INVESTMENTS
KEYBOARD TEST
LEMONADE
LIFE TABLES
MARKET CRASH
MARKET
MONEY FLOW
MORTGAGE
OBJECTIVE 1.1
PORTFOLIO
SIMPLE INTEREST
STOCK MARKET
STOCK
TYPING DRILL

(E)BC - BUSINESS 3 (1 disk/tape)

TYPING
WATER II



Mathematics...

Commodore Educational Series

(E)MA - MATH 1 (1 disk/2 tapes)

ADD AND SUB
ADD DRILL
ADD TEACHER
ADDING DRILL
ADDING QUIZ
ADDITION GAME
ADDITION RACE
ADDITION
ADDS AND SUBS
AGENT BLOTTO
ALG. VECTORS
ALGEBRA DRILL
ARITH DRILL
ARITHMETIC 1
ARITHMETIC
B.T.C. ADD
B.T.C. DIVIDE

(E)MB - MATH 2 (1 disk/2 tapes)

B.T.C. FRACT
B.T.C. MULT
B.T.C. SUBTRT
BAIRSTOW NTH
BALANCE
BASIC MATH
BEADS IN JAR
BETWEEN
BIG BINARY
BIG DIVIDE
BIG MATH
BIG SUBTRACT
BIGTIME
BINOM. EXPAN
BINOMIAL DRIL
BINOMIAL EXP

(E)MC - MATH 3 (1 disk/2 tapes)

BODMAS
BOMB ADDITION
BRAIN CRANE +
BRAIN CRANE /
BRAIN CRANE X
CALCULUS

CAR RACE MULT
CASH REGISTER
CHANGEMAKER
CHOICES
CLOCK
CO-ORDINATES
COIN PUZZLE
COLLECT TERMS
COLLECTERMS 1

(E)MD - MATH 4 (1 disk/2 tapes)

COLLECTERM 2
COPY CAT
COUNT 1 TO 10
COUNT FIVE
COUNT TEN
COUNTING
CURVE FIT
DARTS
DECIMAL ARITH
DECIMAL SIZE
DECOMPOSE
DERIV OF POLY
DICE THROW
DIV DRILL
DRILL
DRILLS
ELLIPSE TRANS

(E)ME - MATH 5 (1 disk/2 tapes)

ENGGAME TWO
EQU'N MANIP
EQUATION EXA
EQUATION X-Y
EQUATION
EQUATIONS
EXPONENT MULT
EXPONENTS
FACTOR DRILL
FACTOR TRI
FACTOR TRINO
FACTOR WHOLE
FACTORIAL
FACTORS
FAST MATH

FC'N GRAPH
FLASHCARDS

(E)MF - MATH 6 (1 disk/2 tapes)

FRAC EST/SOUN
FRACTION GAME
FRACTION PRAC
FUNC MACHINE
FUNC PLOT
GAUSS REDUCT
GEOMETRY
GEOMETRY TERMS
GRAPH PLOT
GRAPH PRINTER
GRAPH SNAP
GRAPH
GRAPHING
HI-CALC
HI-LOW
HYPERBOL TRANS
IN-BETWEEN
INDIRECT EVID

(E)MG - MATH 7 (1 disk/2 tapes)

INTERIOR/EXT.
ANGLES
INTEGER ADD
INTEGER ARITH
INTEGER LINES
INTEGERS 2
INTEGERS
INTEGRATION
INTERSECT LIN
INTERSECT PT
INTERSECTION
INTGR PYRMD
LADDER MULT
LASER MATH
LIMIT CIRCLE

(E)MH - MATH 8 (1 disk/2 tapes)

LINEAR EQN

LINE INTERSCT
LINEAR EQUAT
LINEAR SYS
LONG DIVISION
MAKING CHANGE
MARBLE STAT
MATCH UP NUM
MATH DICE
MATH DRILL
MATH FACTS
MATH MANIA
MATH PACK
MATH SWIM
MATH TUTOR
MATRIX MATH

(E)MI - MATH 9 (1 disk/2 tapes)

MATRIX
MEASURE
MET/STD CONV
METRIC (ECOO)
METRIC CONVER
METRIC DRILL
METRIC DRILLS
METRIC M
METRIC TEST
METRIC VOLUME
MICRO MATH
MICROMATH +-
MISSING NUM
MISSING NUMB
MON. PRODUCT
MONOMIAL MULT

(E)MJ - MATH 10 (1 disk/2 tapes)

MONSTER MULT
MULT BINOMIAL
MULT DRILL
MULTIPLY .GS
MUNCHKIN MULT
NUMBER GUESS
NUMBER SEQ
NUMBER TRAIN
NUMBER-TOE 2
NUMBER

OPERATIONS
ORDERED PAIRS
PARABOLA
PARALLEL LINE
PERIMETER
PERMUTATIONS AND
COMB.
PERMS & COMBS
PI CALCULATOR

(E)MK - MATH 11 (1 disk/2 tapes)

PIZZA
PLACE VALUE#3
PLACE VALUE
PLANES
PLANET INTEGR
POLAR I
POLICE SUBTR
POLY PLOT
POLYFIT
POLYGON SECT
POWER-FACT
POWERS & ROOTS
PRIME # SIEVE
PRIME FACT

PRIME FACTOR
PRIME NUMBERS
PROBABILITY
QUAD. EQ'N

(E)ML - MATH 12 (1 disk/2 tapes)

QUAD
QUEUE
QUIZ ADD
QUIZ DIVISION
QUIZ MULT
QUIZ SUBTRACT
R-PLOT
RANDOM
RECIPES
REDUCE FRACT
RESULTANTS
REVERSE 1
RND GENERATOR
ROLLS TIL ONE
ROMAN
ROOTFINDER
ROOTS QUIZ
S.B. MATH
S.W.B. KETBALL

(E)MN - MATH 13 (1 disk/2 tapes)

SCIENTIFIC
SNAPES
SI.CONVERSION
SIEVE
SIGNIF DIGIT
SINEQ. SOLVER
SIMP.SUBST.
SINE GRAPH
SLOPE AND INT
SLOPE/INTRCPT.
SMALL MATH
SNOOPY
SPLASHDOWN
STATISTICS 1
STATISTICS 2
STATISTICS 3
STATISTICS

(E)MM - MATH 14 (1 disk/2 tapes)

STORY PROB
SUBTRACTION
SURVEY
SYMMETRIC
TABLES
TIC TAC ARITH
TIC TOC CLOCK
TIME OF DAY
TIMES TIMER
TRANSLATION
TREASURE ADD
TRIGONOMETRY
TRINOMIAL FACTORING
TWELVE BLOCKS
UP THE LADDER
VECTOR ALGEB.

(E)MO - MATH 15 (1 disk/tape)

VECTOR
VELOCITY PROB.
Y EQUALS MX+B
ZERO IN
ZONE X

Problem Solving...

(E)LA - LOGIC & PROBLEM SOLVING 1 (1 disk/2 tapes)

A V OR M
ANDROID NIM
BOTTLECAPS
BUTCH & SLIM
CHESS BOARD
CONCENTRATION
CRAPS
CRYPTOGRAM
CUBE
DRAW CAVE
ENERGY
FLIGHT SIMUL
FUR TRADE
GUNNER
HI-Q
IN-ORDER

(E)LB - LOGIC & PROBLEM SOLVING 2

(1 disk/2 tapes)

IQ-TEST
KALAH
KNIGHT'S TOUR
LABYRINTH
LOGIBLOCK
MAGIC SQUARE
MASTERMIND 2
MASTERMIND 3
MATCHES
MAZE GENERAT
MUGWUMPS
OBJECT
OSERO
OTHELLO 2
OTHELLO FOR 2

(E)LC - LOGIC & PROBLEM SOLVING 3 (1 disk/2 tapes)

OTHELLO
PUZZLE

QUEST 3
REMEMBERING
REVERSE
RHYMECONC
SEVEN GABLES
SLOT MACHINE
SNARK
SOLITAIRE
TIC TAC TOE
TOWER HANOI
TRACE-A-WORD
TWENTY QUEST

(E)LD - LOGIC & PROBLEM SOLVING 4 (1 disk/1 tape)

US CIVIL WAR
WATCHPERSON
WEIGH
WESTWARD HO
WUMPUS
YAHTZEE

Science...

(E)SA - SCIENCE 1 (1 disk/2 tapes)

ACCELERATION
ALT. & AZIMUTH
BALANCE CHEM
BIG OHM'S LAW
BROWNIAN
BUOYANCY
CASCADE
CHARGED PART
CHEM 12
CHEM CALC
CHEM QUIZ
CHEM PROB
CHEMIST
CHEMISTRY

(E)SB - SCIENCE 2 (1 disk/2 tapes)

CIRCUIT 3
CIRCUIT 4
COMPOUNDS
COMPRESS
CYLINDER
DECAY
DEFECT
DENSITY
DRILL SI
E- CONFIGUR'N
E.M.T.
EARTHQUAKE
ELECT. QUIZ
ELECTRICITY
ELECTRO MAG 2

(E)SC - SCIENCE 3 (1 disk/2 tapes)

ELEMENT QUIZ
ELEMENTS
ENZYMES
EQUIVALENTS

FAST FOURIER
FISHING
FORCE CONV
FREQ & TIME
FUSE
GAS EQUATIONS
GEIGER
GRAD CYLINDER
GRAVITY QUIZ

(E)SD - SCIENCE 4 (1 disk/2 tapes)

HARMONIC DISPLAY
IDEAL GAS LAW
INTERFERENCE
INTERMODULATION
IONS
KINEMATICS
LEVER
LOCK-KEY
MAGIC POWDER
MALARIA
MASS
MATCHING QU
MATCHING SOL
METRIC CONV.
MILLIKANS EXP.
MINI EDISON
MITOSIS

(E)SE - SCIENCE 5 (1 disk/2 tapes)

MOLARITY
MOLE CONCEPT
MOLECULAR LES
MOLECULE RACE
MOMENTUM CAI
MOMENTUM TEST
MOTION PROB.
MUTANT
NICHE
NUC REACTOR

OHM2
ORBIT PLOT
ORBIT

(E)SF - SCIENCE 6 (1 disk/2 tapes)

PALCO'S AUDIT
PERCENT COMP.
PERCENT
PERIODIC PROP.
PH PROBLEMS
PHOTEL

PHOTOSYNTHESIS
POLLUTION
PROJ. MOTION
PROJECTILE
RADIO DECAY
RATE 1
REG. POW. SUP.
RESIST TEST V

(E)SG - SCIENCE 7 (1 disk/2 tapes)

RESISTANCE

RESISTORS
RMDL CHEMIST
SOLAR SYSTEM
SPECIFIC HEAT
STOICHIOMETRY
TEMP. CONV.
TITRATE
VELOCITY
VERNIER SCALE
WAVES 3
WEATHER MAN
YOUNG'S

Miscellaneous...

(E)FA - LOGICS FRANCAIS 1

(1 disk/2 tapes)

Business
INTEREST COMPOSE
French
FRENCH DRILL
FRENCH NUMBERS
LE PENDU
REVUE PASSE
VERBES

Mathematics
INTERPOLATION
LES FRACTIONS
MATRICES MATH
RACINE CARREE
SERIE 1

(E)JA - LANGUAGE 1 (1 disk/tape)

FILIPINO
FINGER SPELL
LATIN 123
LATIN VOCAB
SWEDISH QUIZ

MULTIMETER

(E)UA-OESP-UTIL. 1 (1 disk/2 tapes)

ALPHA SORT
BASE CHANGE
COPY-ALL (HD)

DISK DISPLAY
DISK LISTER
GRAPH SUBRT.
HEXADECIMAL
KEYBOARD
MEMSEE
UNCOMPACTOR

Comp Sci...

(E)CA - COMP. SCI. 1 (1 disk/2 tapes)

BASE CONVERSION
BINARY
COMMANDS
COMP CONCEPT
COMPUTER HISTORY
COMPUTING
DEMO SORT
DISK CMD
FEATURES QUIZ
HEX DECIMAL

HEX DEMO
HYPO ASSEM
HYPO II
PETUNIA
PILOT

(E)CB - COMP. SCI. 2 (1 disk/tape)

POGO
SIMULATION
TURTLE 1

Geography...

(E)RA - GEOGRAPHY 1 (1 disk/2 tapes)

AFRICA & ASIA
ANCHORAGE-2
CAN GEOG QUIZ
CANADA QUIZ
CANADA
CAP CITIES
CAPITALS
CITY SMOG
CLIMATE GRAPHS
FOREST FIRE
GEO QUIZ
GEOG TEST
GEOGRAPH QUIZ
GEOGRAPH

(E)RB - GEOGRAPHY 2 (1 disk/2 tapes)

GEOGRAPHY
HAMMURABI
HISTOGRAM
ICE
ITALIAN QUIZ

KOPPEN
LAKE DISTRICT
LIMITS
MALI LIFE
MAP DIRECT
MILEAGE
NORTH EAST
OCEAN QUIZ
OPEN PIT MINE
POP DYNAMICS

(E)RC - GEOGRAPHY 3 (1 disk/2 tapes)

POP LIMITS
POPULATION
STATES & CAPITALS
STATES & REGIONS
SYMBOLGY
U.S. POPULATION
VOLCANO SIMULATION
WEATHERMAN
WORLD ATLAS
WORLD CAPITALS

(E)NA - MUSIC 1 (1 disk/2 tapes)

MUSIC FILE
MUSIC MACHINE
MUSIC THEORY
PUNK ROCK
SERIALISM
SOUNDS

(E)PA - PHYSICAL & HEALTH EDUCATION 1 (1 disk/2 tapes)

CHILD ABUSE
DRIVER EDUCATION
LIFE STYLES
LIFESPAN
METEOR
REACT
REACTION TEST
REFLEX TIMER
RUNNING QUIZ
YELLOW LIGHT

(E)TA - TECHNOLOGY 1 (1 disk/tape)

BRAILLE
CIRCUITS
HOME
METER READING
MORSE CODE



Games...

Commodore Educational Series

(E)GA - GAMES 1 (1 disk/2 tapes)

ABSTRACT
AFO 1
ARROW
ATTRIBUTE BLK
BATTLESHIP
BIOCOMPAT
BOWLING
BREAKOUT
CAREFUL
CASTLE QUEST
CHASE
CONCENTR'N 2
CRAZY BALLOON
CYCLON BATTLE
DRACULA

DRAGON ISLAND

(E)GB - GAMES 2 (1 disk/2 tapes)

DRAGON MAZE
DRAW 3
DRAW POKER
DROIDS
DUCK SHOOT
DUNGEON
ELIZA
FACES TO MAKE
FISH
FOOTBALL
FROG RACE
HAMLET
HARD INVADERS

HURKLE KENO

(E)GC - GAMES 3 (1 disk/2 tapes)

KINGDOM
LETTER 15
MARTIANS
MASTERMINDSP
MAZE
MAZES
MILLE BORNES
MIMIC
MOUSE MAZE
NERVES
NIM
NUMBER-TOE

OSCAR LUNAR PETALS-ROSE PETMAN 2

(E)GD - GAMES 4 (1 disk/2 tapes)

PINBALL
PLANET PROBE
PONG
POSTAL ROUTE
RAGING ROBOTS
ROAD RALLY
ROAD TRACK
ROAD RACE
ROCKETS!
ROTATE

SHOOT SNAKES SPACE ATTACK SPACE PILOT SPADES STAR TREK IV STAR TREK

(E)GE - GAMES 5 (1 disk/2 tapes)

SUPERDRAW1
TIC-TAC-PRO
TICTACTOE 2
TORCH MAN
TORP. BOMBER
WAREHOUSE

Commodore 64 Education...

(E)D1 - COMMODORE 64 (1 disk/2 tapes)

MC.MASTER CAT. Disk catalogue program designed to work with 4040 disk drive.
MC.MAKE MASTER Combines the disk and program name files & into 1 MASTER file.
COMMANDS Do not load this program. See the following 3 programs.
COM.TEXT DEMO Demonstrates text manipulation on the C-64 screen.
COM.SORT DEMO Demonstrates sorting. A no. of student records are displayed & then sorted using different parameters.
COM.HOW FAST 100 random names are created and then sorted.
HR.GRAPHICS PAL Assembler version of machine language program, HR.GRAPHICS OBJ
HR.GRAPHICS INST Instructions on how to use the hires package HR.GRAPHIC OBJ.
HR.GRAPHICS OBJ Allows you to draw on the hires screen and SAVE your screens.
HR.GRAPHICS DEMO LOADS in the graphics package and demonstrates a hires screen.
HR.GRAPHICS LOAD LOADS a hires screen.
HR.PICTURE 1 Demo hires screen is LOADED automatically by HR.GRAPHICS LOAD.
HR.HIRES TO 1525 Print a hires screen to your 1525 printer.
MU.PLAYER PAL Assembler version of the machine language program, MU.MACHINE OBJ
MU.C64 MUSIC Instructions & demos for music package.
MU.MACHINE OBJ Allows you to create & SAVE musical pieces with simple commands
TEXTMASTER Simple wordprocessing package which allows you to create, edit, SAVE and LOAD documents.
TM.INSTRUCT 1 Detailed instructions--TEXTMASTER
TM.INSTRUCT 2
TM.INSTRUCT 3
AN.INSTRUCTIONS How to use the animation package.
AN.ELLIPSE Subroutine LOADED automatically by AN.ANIMATION DEM.
AN.WIBBLE Subroutine LOADED automatically by AN.ANIMATION DEM.
AN.ANIMATION PAL Assembler version of machine language program AN.ANIMATION OBJ
AN.ANIMATION OBJ Create and SAVE quarter graphics screens and animate them.
AN.ANIMATION DEM Load for a demo of some screens created by the animation package.

(E)D2 - COMMODORE 64 (1 disk/2 tapes)

MAIN MENU 64 Instructions for Adventure Pack Reading Series
THE GAME.1 Story is displayed for reading, followed by 3 short tests.
CHOCOLATE GOO.2 Story is displayed for reading, followed by 3 short tests.
MONSTER WAVE.2 Story is displayed for reading, followed by 3 short tests.
FIREFIGHT.3 Story is displayed for reading, followed by 3 short tests.
THE HUNTER.1 Story is displayed for reading, followed by 3 short tests.
SNAIL.C64.BOOT Will load SNAIL.C64 INST and SNAIL.C64 automatically.
SNAIL.C64.INST Instructions for SNAIL.C64.
SNAIL.C64 Draw simple pictures on the screen by inputting the snail's direction & length of movement.
MASTERMIND A logic game where you are challenged to break a colour code

(E)D3 - COMMODORE 64 (1 disk/2 tapes)

45.64 Class mark management program called MARK MANAGER.
AVERAGE CLASS Example of an average class
FULL CLASS Example of a full class
CLASS OF 20 Example of a class of 20
MM.INST.0.PCLIP Instructions for MARK MANAGER
MM.INST.1.PCLIP 45.64 Instructions for MARK MANAGER
MM.INST.2.PCLIP 45.64 Instructions for MARK MANAGER
VOWELS AT BEGIN. Concentration type game called PHONCENTRATION, teaching phonics.
VOWELS AT MID. Concentration type game called PHONCENTRATION, teaching phonics.
VOWELS AT END. Concentration type game called PHONCENTRATION, teaching phonics.
DOUBLE VOWELS Concentration type game called PHONCENTRATION, teaching phonics.
CONSONANT BLENDS Concentration type game called PHONCENTRATION, teaching phonics.
PHONCENTRATION Concentration type game called PHONCENTRATION, teaching phonics.

PET/CBM Libraries "O" and "P"

Librarian - Mike Donegan, 416/639-0329

Programs for the PET

NOTE: Each listing is contained on **one** disk or on the number of tapes indicated under the heading. The majority of the programs currently in the "O" and "P" libraries will run on a 40-column PET. If you read the HISTORY OF COMMODORE in this catalogue, you will note that there are the following four different versions of the PET:

1. **PET 2001 - BASIC 1.0** original ROM. The original small keyboard PET had BASIC 1.0 inside.
2. **PET 2001 - BASIC 2.0** upgrade ROM. The first large keyboard PET had BASIC 2.0 inside. The original PET could be upgraded to BASIC 2.0 by changing the ROM set.
3. **CBM 4032 - BASIC 4.0.** This version of the PET had a 9-inch screen with BASIC 4.0. Previous large keyboard machines can be upgraded to BASIC 4.0 from BASIC 2.0. The original small keyboard PET can not be upgraded to BASIC 4.0.
4. **CBM 4032 - FAT 40, BASIC 4.0.** This version of the PET has a 12-inch screen and a slightly different version of BASIC 4.0. This machine also has the same screen controller as the 8032.

Most of the programs in the **"O" PET library** will work on all of the above machines. However, programs written in machine language or programs with PEEKs and POKEs to the operating system, will only run on the machine for which they are written. These special programs are divided into three groups. These are: BASIC 2.0, BASIC 4.0 and BASIC 4.0 (FAT 40). **MOST DISKS CONTAIN VERSIONS FOR EACH TYPE OF COMPUTER.** The one exception is the "Best of ... Games" for the PET. (O)X3 is only for BASIC 2.0 machines, (O)X4 is only for BASIC 4.0 machines, (O)X7 is only for BASIC 4.0, FAT 40 machines.

Programs on disks and tapes in the **"P" PET library** (released since February 1983) have a Program Code. A period plus the **Program Code** is appended to the end of each program name on the disk or tape. See p.7 for complete list.

Also, please note that the "E" series of Commodore Education Software (see p.12) will all run on all BASIC 2.0 and 4.0 PETs.

Programs for the CBM 8032

Many of the programs in the TPUG library will run on the CBM 8032. Some of the machine language programs, for example, are available in an 8032 version. These include Basic Aid (BAID480A & BAID480P) on disk (O)X1 and Adventure on (O)X5. Many of the games written for the 40-column PET can run on the 8032 but will require the 40-column simulator found on (O)X1 (CBM 4032 v2.1). Just load in CBM 4032 v2.1 and RUN. You now will have a 40-column screen on your 8032.

Programs that will **NOT** run on the CBM 8032 include the following:

1. Many of the programs written in machine language.
2. Most VIC 20 and Commodore 64 programs.

Some **good choices** of disks for the 8032 are: Business--(O)B2; Communication--all disks; Education--(P)XB; Games--(O)G7,(O)X5; Math/Science--all disks; Utilities--(O)X1,(O)X2; Miscellaneous--(O)Z1,(O)X6.

Also, please note that the "E" series of Commodore Educational Software (see p.12) will all run on the 8032 (CBM 4032 v2.1 is included with each disk or tape).

Best of... Miscellaneous

(0)X6 - 1 disk/2 tapes

EASY EDIT/TAPE
EASY EDIT/DISK
EASY EDIT/C
EASY EDIT/MX-80
EASY EDIT/MX-82
PAGE1 EZE EDIT
PAGE2 EZE EDIT
PAGE3 EZE EDIT
PAGE4 EZE EDIT
PAGE5 EZE EDIT
PAGE6 EZE EDIT
WORD PRO TH2058
READ WP2040
HI MEMORY106
INSTRUCTIONS#7
WORD P DEMO
WP TAPE2058
READ WP TAPE2040
TAX 81 ONT V1.0
GRAPH.PRINTER
GRAPHIX INSTR
GRAPHICS-LOADER
GRAPHICS-DEMO
MAIL LIST 4040
4040 UPDATE
4040 FORMAT
4040 PRINT
4040 MENU
MAIL LIST 8050
8050 FORMAT
8050 UPDATE
8050 MENU
8050 PRINT
V40.2.B
V40.4.B
V80.4.B
E.G SET-UP 80 COL
WP3/4 INST1
WP3/4 INST2

(P)X9 - 1 disk/2 tapes

LIST-ME (P)X9.L
COPY-ALL
MULTI-INVADERS!
WATERMELON
SPREAD SHEET 40T
SPREAD SHEET80DT
PRINT USING
PRINT USING&TEST
PRNT USING ML
SCREEN ROUTINES
BAS&ML COMBINER
QUIET AFTERNOON
Q-BACK CHALLENGE
COSMIC FIGHTER
HEX DUMPER 80
FIZZBIN
FIZZBIN 8K RULES
FIZZBIN 8K GAME
PUKMAN
STAR SYSTEM
WARLORDS INSTR
WARLORDS GAME
BLOCKADE
ALIEN BLASTER
OUTPOST-ML3
OUTPOST
MINEFIELD 2

(P)X8 - 1 disk/2 tapes

LIST-ME (P)X8.L
INVADERS 4.4
FAST INVADRS 4.4
ACROBAT.F
CAR RACE.F
MISSION IMP.F
NIGHT DRIVER.F
BACKGAMMON.F
DISK MASTER V2.P
5TH SCOTTE-INST.
5TH SCOTTE.P
ML STOPKEY.P
TAPE PHONPHILE.P
DISK PHONPHILE.P
PHONE NUMBERS.P
WV.V.8
WV.VI.8
WV.VII.8
WV.VIII.8
WV.VIX.8
WM WORD LIST.D
WV.I.4
WV.II.4
WV.III.4
WV.IV.4
SUPERSPEED SORT.
NOS TRANSLATOR3
FINANCE 1.4
MUSIC LESSON
MUSIC LESSON 2

(P)XA - 1 disk/2 tapes

LIST-ME (P)XA.L
VISIBLE PET
TOLL BRIDGES
STAR LANES
TV SATELLITES
BILLBOARD
DOCTOR 8032
DOCTOR.INS
BOWLING
SIMCAL INSTR.W
SIMCAL.Z
LOAN AMORT.8
SCOPY5.8
SCOPY INSTR.8
FAST INVADERS.8
CRYPTOGRAMS.P
TURTLE.8
CBM 4032 V2.P
WP BUSTER/PET.P
DISK LOGGER.P
SUPERMON INST.P
SUPERMON1.REL.4
SUPERMON4.REL.P
SUPERMON2.REL.P
MORTGAGE.Z
DISASSEMBLER.P
PROG CONVERTER.Z
STORYWRITER/V11.P

Utilities

(0)X1 - 1 disk/2 tapes

UNIVERSAL WEDGE
COPY ALL
COPY/ALL
BAID4F40C
BAID4F40A
BAID440C
BAID440A
BAID240C
BAID240A
BAID480C
BAID480A
BASIC-AID.INST1
BASIC-AID.INST2
AID4
AID2
CHANGE DISK
DISK MOD
DISK CHECK
DISK VIEW
DISK NAME (R)
DISK ID CORRCOR
DISK PEEK
BAM MAP
APP/REN24.REL
CASS.LABELER
DISK FILE RECVRY
KEYPRINT20826
KEYPRINT40826
TAP.TOO.DISK
X-REF 24576.ML
WORD COUNT 9
DISK MASTER V2
DELETE ALL
EP4 SYS32000/1
EP4XSYS32000/1
VICLOAD4.REL
VICLOAD2.REL
VIC WEDGE
BACKUP 2031 1.0
SET-UP
AUTO DISK BOOT
CBM 4032 V2.1
WORD PRO PRINTER
WP LIST/SCREEN
DATA WRITER
LOCKDISK
LOWCASE LIST V3
UN-NEW/SYS826
COPYCAT1SYS934
COPYCAT2SYS934
COMPACTOR
UNCOMPACTOR
CROSS-REF
DISK APPEND-M.B.
DUMP2/SYS826
DUMP4/SYS826
STRINGTHING.BIN
WPRO BUSTER
UTILITY 2.0
UTILITY 4.0
DEMO

(0)X2 - 1 disk/2 tapes

SUPERMON4.REL
SUPERMON2.REL
SUPERMON1.REL
SUPERMON1/2/4INS
EXTRAMON40\$7000
EXTRAMON40\$1000
EXTRAMON20\$7000
EXTRAMON20\$1000
EXTRAMON.INS9.3
MICROMONC0\$1000
MICROMONC0\$7000
MICROMON++0\$5800
MICROMON.INS1
MICROMON.INS2
MICROMON.ADD
TINYMON1 FOR VIC
TINYON INST
SUPER VICMON2
8K
ERIC ASSM
UNASSEMBLER.MAE
UNASSEMBLER.CBM3
DATA WRITER
WP LIST/SCREEN

Games

(0)X3 - 1 disk/2 tapes

BASIC 2.0 PET

(0)X4 - 1 disk/2 tapes

BASIC 4.0 PET

(0)X7 - 1 disk/2 tapes

BASIC 4.0 FAT40

INVADERS
FAST INVADRS
ACROBAT
CAR RACE
MISSION IMP
NIGHT DRIVER
BACKGAMMON
OTHELLO
BREAKOUT
ASTEROIDS
PINBALL
PETMAN 5
JOYSTICK INV
BLOCKADE
BASEBALL 7.3
OSC LUNAR
SUPER STARTREK
STAR WARS
MASTERMIND
REVERSE-PUNTER
ARROW
BLACK BOX!
BLACK JACK
BOMBER
ROBOT CHASE!
SNAKE 2
YAHTZEE
MOVMAZE 2

(0)X5 - disk only

Adventure Games

Best of Education...

PET Library

(P)XB - 8032/disk only

LIST-ME (P)XB.L
SCREEN PRINT
FILE MAKER

A
B
C
D
E
F
H

I
J
K
L
M
N
O
P
Q
R
S
T

U
V
W
X
Y
Z
SCREEN
HOME ROW
ALL ROWS
G
FLASH
FILE MAKER II

HIGH WRIST
LOW WRIST
SHIFT LOCK
SIGN
\$ SIGN
% SIGN
NUMBERS 1-5
NUMBERS 6-0
EACH NUMERAL
ALPHA PROGRESS
KEYBOARDING
COVER

"O" Library...

Listings for these disks/tapes (released prior to March 1983) are available upon request from the TPUG office.

ASSEMBLER

(0)A1 - 1 disk/2 tapes
(0)A2 - 1 disk/tape
(0)A3 - 1 disk/tape
(0)A4 - 1 disk/2 tapes
(0)A5 - 1 disk/tape

COMMUNICATION

(0)C1 - 1 disk/tape
(0)C2 - 1 disk/tape

EDUCATION

(0)E1 - 1 disk/2 tapes
(0)E2 - 1 disk/2 tapes
(0)E3 - 1 disk/2 tapes
(0)E4 - 1 disk/2 tapes
(0)E5 - 1 disk/tape
(0)E6 - 1 disk/tape
(0)E7 - 1 disk/2 tapes
(0)E8 - 1 disk/2 tapes
(0)E9 - 1 disk/2 tapes

GAMES

(0)G1 - 1 disk/2 tapes
(0)G2 - 1 disk/2 tapes
(0)G3 - 1 disk/tape
(0)G4 - 1 disk/2 tapes
(0)G5 - 1 disk/2 tapes
(0)G6 - 1 disk/2 tapes
(0)G7 - 1 disk/2 tapes
(0)G8 - 1 disk/tape
(0)G9 - 1 disk/tape
(0)GA - 1 disk/2 tapes
(0)GB - 1 disk/2 tapes

MISCELLANEOUS

(0)Z1 - 1 disk/2 tapes
(0)Z2 - 1 disk/2 tapes

LANGUAGE

(0)L1 - 1 disk/2 tapes
Comal
(0)L3 - 1 disk/tape
Forth

MATH/SCIENCE

(0)N1 - 1 disk/2 tapes
(0)N2 - 1 disk/tape
(0)N3 - 1 disk/tape

MUSIC

(0)S1 - 1 disk/2 tapes
(needs interface--
instructions included)

UTILITIES

(0)U1 - 1 disk/2 tapes
(0)U2 - 1 disk/2 tapes
(0)U3 - 1 disk/2 tapes
(0)U4 - 1 disk/tape
(0)U5 - 1 disk/2 tapes
(0)U6 - 1 disk/2 tapes
(0)U7 - 1 disk/2 tapes

June 82, Sept 82-Feb 83

(0)TJ - 1 disk/2 tapes
(0)TK - 1 disk/2 tapes
(0)TL - 1 disk/2 tapes
(0)TM - 1 disk/2 tapes
(0)TP - 1 disk/2 tapes
(0)TQ - 1 disk/2 tapes
(0)TR - 1 disk/2 tapes

Business...

(0)B1 - 1 disk/tape

UNIVERSAL WEDGE
MORTGAGE-BTTRFLD
DATES-BTTRFLD
MILEAGE-BTTRFLD
MARKS-BTTRFLD
PORTFOLIO-BTTRFLD
TAX ONT 1978 V3
GROWTH RATE
FINANCIAL CALCS
DAY OF THE WEEK
TAX 79 ONT V0.2
APARTMENT.INCOME
BUS.PR\CASH\ROI
CAR.COST\MILE
DECISION.MAKER
STOCK.OPTION.VAL
GROWTH.CALC
INVESTMENT.ALT
IRREG.CASH.FLOW
LOAN.ALT
SALES.ANAL-OP
CURRENCY.CONV
STOCK.LIST
RECIPE.SIZER
TYPEWRITER.ALT-0
TYPER.ALT2
TYPING TEST
PRICE.LIST
HOME.ACCOUNTS.IN
HOME.ACCOUNTS.SU
JAN 80
FEB 80
MAR 80
APR 80
MAY 80
DYNATEXT
DYNATEXT.INS
Y40.2.B
Y40.4.B
Y80.4.B
DEMO 8032
E.G SET-UP 80COL
WP3/4 INST1
WP3/4 INST2
TEXT EDITOR
TEXT
TAX 80 ONT V1.0

(0)B2 - 1 disk/tape

UNIVERSAL WEDGE
MAIL LIST 4.1
MAIL LIST 2.0
FORMAT
UPDATE
PRINT
MENU
MAIL BACKUP
JOURNAL
TAX 80 ONT V3.0
MAIL LIST 4040
4040 UPDATE
4040 FORMAT
4040 PRINT
4040 MENU
MAIL LIST 8050
8050 FORMAT
8050 UPDATE
8050 MENU
8050 PRINT
INTEREST

(0)B3 - 1 disk/tape

UNIVERSAL WEDGE
MORTGAGE
MORT SCHED
MORT CALC
TAX 81 ONT V1.0
CRITICAL PATH
LUMP-SUM INV 82
BKEEPING.ALT
FINANCE
INTEREST
INVENTORY CONTRA
WORD PROCESSOR
MINIWORDPRO

Communication...

(P)C4 - 1 disk/2 tapes

LIST-ME (P)C4.L
--PET/CBM TERM'LS
AUTODIAL TERM
TERMINAL.R12
TERMINAL/16K
--SUPERPET TERM'L
TERMINAL.S12
--C64 TERM'L
TERMINAL.64
--MACHINE LANG.
TERM.R12
INTELCOM3/40
INTELCOM3
INTELCOM4
TERM.R12A/16
TERM.64
AUTODIAL ML
SUPERCOM
--IEEE MODEM TERM
TERMINAL.112

TERM.112
-INSTR'N READERS
SEQ. READ/PRINT
WP. READ/PRINT
--INSTRUT'N FILES
AUTODIAL INST
INTELCOM
TERM INST.WP 1
TERM INST.WP 2
RS232 DOC
--OTHER PRGMS
FREQ GENERATOR!
VT52.BASIC
VT52.BIN
CBM 8010
COMM PRIMER
8010 MODEM DRVR
LOGGER
MORSE TUTOR
MORSE-BTTRFLD
TERMINAL DOC
TOKENIZER

Contest...

PET Library

(P)83 - CONTEST (1 disk/2 tapes)

GRAPHIC AID 4.0
G.AID 4.0
DOS HEX DUMPER
DOS DISSASSEM.
DISK HEX DUMPER
CHANGE LOAD ADD.
HEADER CHANGER
G.AID PROG#1.PAL
G.AID PROG#2.PAL
GRAPHIC AID.INST
I WRIGHT-----
PITS!
SCOTT ALLAN----
SAFARI
QUEST
MAZE MAN
TRIPLE YAHTZEE
INTERCEPTOR
MISSILE COMMAND
CENTURION

ULTRA ZAP
ESCAPE
W LEWANIAK-----
LIBRARY OVERDUE
LIB TEACH EDIT
LIBTCH 82/S2
LIB MARCH 16
R GERRARD-----
PIRATE ADVENTURE
STOCK TICKER
G SCHWARTZ-----
SEMI
SEMI DOCUMENT.
F ROSENTHAL---
CYCLE!

Monthly Releases...

(P)TS - MARCH 83 (1 disk/2 tapes)

LIST-ME (P)TS.L
AUTODISK BOOT.Z
WARLORDS INSTR.4
WARLORDS GAME.4
CUBE.4
GRADEBK-NAMES.Z
GRADEBK-GRDES.Z
DPI06-3.Z
SIMCAL INSTR.W
SIMCAL.Z
LOAN AMORT.8
LIST-ME2.W
HIBYTE DEMO.G
SCOPY5.8
SCOPY INSTR.8
80 COLUMN TAX.8
40 COLUMN TAX.4
COPY-ALL+.G
LIST-ME-LIST-ME
FUNCTION GRAPH.G

(P)T1 - SEPT 83 (1 disk/2 tapes)

LIST-ME (P)T1.L
CATERPILLAR.P
COPY++ALL.P
EXPANSION PRES.Z
FRENCH VERBS.Z
IDEAL BODY MASS.P
LIFESCORE.Z
MUSICTHEORY.P
NUMBER RUBIKUB.P
PET LIZZARD.P
PET STOCK MKT.P
QUESTS & SORCERY.P
SID.P
SNAKE-PIT.Z

(P)TT - APRIL 83 (1 disk/2 tapes)

LIST-ME (P)TT.L
FAST INVADERS.8
CRYPTOGRAMS.P
TURTLE.8
CBM 4032 V2.P
COPY-ALL.P
WP BUSTER/PET.P
LIST-ME APR83.W
LIST-ME-LIST-ME
DISK LOGGER.P
SUPERMON INST.P
SUPERMON1.REL.4
SUPERMON4.REL.P
SUPERMON2.REL.P
INITIALIZER
SCREEN TO WORK
CBM8010.Z
LST TRUE ASCII.Z
PRINT USING.Z
IEEE WATCH 2.Z
MORTGAGE.Z
DISASSEMBLER.P
STRING THING.Z
PROG CONVERTER.Z
LIST-ME PTT.L
WORK AREA - CRT
STORY WRITER/V11
K
MANPLOT
MACTABLE
MUSS
BOOTKONG
80KONGTUCK/POTT
SCREEN1 SAVER

(P)TV - JUNE 83 (1 disk/2 tapes)

LIST-ME (P)TV.L
BOGGLE A.P
BOGGLEML B.P
G O L F.P
TRAIN - CHIEF.P
KING.P
POGO V7.8
EPIDEMIC.4
NAMING CMPDS.4
SCHOOLMARM255.P
255QUEST MAKER.P
PET AGENDA.4
SKI 4.F
TURTLE.8
SCROLL MESSAGE.P
ANY WINDOW SZ.P
AUTO DATA HEX.P
STORYWRITERV11.P
GALACTIC GT.4
EXPANSION PRES.P
GRAPHIC AID 4.P
G.AID 4.P
GRAPH AID INST.P
STARS BAS PR.8
POWER SPECTRUM.P

(P)T2 - OCT 83 (1 disk/2 tapes)

LIST-ME (P)T2.L
AUDIOTEACH PET.P
BANNER.P
CALL PREFIXES.P
CB2SOUND SCHEM.P
CDN PROV.P
COIL DESIGN.Z
CROSS-REF.P
DUPE.P
EYE OF KADATH.Z
FAMILY BUDGET.P
FORMULAS.P
HAM UTILITY.P
MAFIA APPLIC.P
MULTIQUIZ.P
MUSIC THEORY.P
NAME NOTES!.P
NS.CITIES+.P
NS.COUNTIES.P
NS.ERLY SETTL.P
PET FLASHCRDS+.P
SOUND EFFECTS.P

VIC 20 Library

Librarian - Craig Bonner, 416/663-4025

The following disks and tapes are specifically for the VIC 20. Please see p.7 for complete list of program codes. Some VIC programs require an 8K/16K/32K memory expander (as indicated). Others require the Super Expander (coded SX) for the music and graphic commands. **Note:** Only **ONE TAPE** is required for each VIC listing.

Games...

V1 - GAMES 1

ROCKET COMMAND
INVADERS
ARTILLERY
DAM BUSTERS
DEPTH CHARGE
MASTERMIND
OTHELLO
CHECKERS
RACE
ARROW
GRAND PRIX
PINBALL
STAR CHASER
SAMU
TRAP
BLACKJACK
BUSH TRAIL
UFO

KILLER COMET
LUNAR LANDER
BREAKOUT
RUGBY
MUKADE
DEFLECTION
VIC SNAKE
DRM BREAKOUT
STAR WARS
DRAGON MAZE
FOREST DRIVER
MAANLANDER
TANK-UFO
CAR RACE
ARROW 2
RIJTEST
BARRICADE
MEMORY
SCHUIFSPEL
REACTION TEST

LONG DIVISION
BANDIT 1
FIRING TANK
PING PONG
BIORHYTHM
PISTOLEN PAULTJE
VIC FREIGHTER
VICBREAK/PADL
MOONLANDER

V4 - GAMES 2

BRKOUT.PADL
MINIATURE GOLF
TANK VS UFO JOY
SPACEWAR 1
SPACEWAR 2
TANK VS UFO KEY
SHOOTER JOY
VIC CHASE JOY

VIC CHASE KEY
BREAKOUT KEY
STEAL MONEY
PING-PONG
SUPERVERSE VIC
VIC 3 OF KIND
WALL DESTROY VIC
CHUCKALUCK VIC

LETTERSQUARES
VIC SQUIGGLE
SLO VICMAN KEYB
MASTERMIND
CRAZY BALLOON
ALIEN WASTER
ASTEROIDS
OUTPOST

Utilities...

V2 - UTILITIES 1

TINYMON1 FOR VIC
TINYMON INST
PROGRAMBLE CHAR
VIC CHAR GENR
VIC CHAR DEMO
BUTTERFIELD DEMO
HISTOGRAM
VICLOAD4.REL
VICLOAD2.REL
BASICODE READ
BASICODE SEND
ADDRESSES
VIC DIS1
VIC DIS2
VIC DIS3
DISASM
DIR
VIEW BAM
DISPLAY T&S
CHECK DISK
PERFORMANCE TEST
SEQUENTIAL FILE
RANDOM FILE
VIC WEDGE
SUPER VICMON2

V5 - UTILITIES 2

TERMINAL.SERIAL
TERM.SERIAL
VIC KEYSORT

VIC SORT.DEMO1
VIC SORT.DEMO2
VICWORD
VIC CONTROL KYBD
VIC TRIANGULATOR
JOYSTICK TEST
VIC AID4.REL
VIC MAIL
VIC TAPE INDEX
BUDGET
SEPT 30 RANDOM
VICTERM
CAT
WIZZACALC
DISKMEM B-RR1
DISKMEM INSTR.

(V)X1 - BEST UTIL. 1

LIST-ME (V)X1.L
VIC AID4.REL.V
HIRES INSTR.V
HIRES HRDCOPY1.V
HIRES HRDCOPY2.V
HIRES H/C DEMO.V
CUSTOM CARDS.V
TURTLE BOOT DISK
TURTLE BOOT TAPE
PLOT ML
TURTLE PROTO
TLJFOTT
TLJSTAR
FUNCTION KEY.V
TERM 5K INST.V
TERMINAL 5K.V
VIC DT
CATALOG.V
VICWORD
JOYSTICK TEST.V
LABEL MAKER 8K.V
TINYMON1 FOR VIC
TINYMON INST
VIC DIS1
VIC DIS2
VIC DIS3
DISASM
SUPER VICMON2

Demos...

V3 - DEMO'S 1

MERRY VIC-MAS
VIC SOUND DEMO
FRERE JACQUES
GRAPHICS+SOUND
DEMO
SOUNDS
VIC KEY
GRAPHDEMO
GRAPHDEM1
GRAPHDEM3
VIC-DEMO
GENERAL DEMO
VIC-KALEIDOSCOPE
LIGHT SHOW
KALEIDOSCOPE
COLOUR BARS
VIC SIL. NITE
HIRES PLOT
CIRKELDEMO
MIAUW
BUMBLEBEE

ROBOTS
MOSAIC
KALEIDOSCOPE
SNOOPY HIRES
HIRES DEMO 1
SOUND DEMO
KEYBOARD DEMO
MORSE
BIRDS DEMO
PIANO
DRAGON
GRAPHIC DEMO 1
HANDIC DEMO3
COMMODORE SYMBOL
LOG & LOGO
HI-RES CLOCK
CALCULART
VIC CLOCK
VIC LISSAJOUS
CANADIAN FLAG
KINETIC ART
TRIG PLOT
BAR GRAPH

V6 - DEMO'S 2

VIC JASPER
VIC COLOR ROOS
VIC POOKY
VIC GARFIELD
DEMONSTRATIE.HI
VIC TRSHY PIC
VIC DESIGN
VIC DESIGN 2
VIC DESIGN 3
VIC DESIGN 4
VIC VIC
DIGICLOCK
HIRESFOURIER
USA SONG

Music...

(V)X2-BEST MUSIC 1

LIST-ME (V)X2.L
OVER THE R'BOW.V
GREENSLEEVES.V
ZIPPITYDOO-DA.V
VIC ORGAN.V
V DRUM MANIA
VICMUSIC\$1201
V 76TROMBONES

V ENTERTAINER
V WONDERLAND
MERRY VIC-MAS
FRERE JACQUES
VIC KEY
VIC SIL. NITE
BUMBLEBEE
PIANO
USA SONG

Education...

(V)E1 - EDUCATION 1

LIST-ME (V)E1.L
VICAB1 8K.V
VICAB2 8K.V
VICAB3 8K.V
VICAB4 8K.V

VICAB5 8K.V
ARITH CHALLENG.
MATH SKILLS.V
GLOBE QUIZ.V
VIC HANGMAN.V
ALPHA. COMMAND

Monthly Releases...

(V)TM - NOV 82

COPY-ALL
MINIATURE GOLF
TANK VS UFO JOY
TANK VS UFO KEY
SHOOTER JOY
VIC CHASE JOY
VIC CHASE KEY
BREAKOUT KEY
STEAL MONEY
PING-PONG
SUPERVERSE VIC
VIC 3 OF KIND
WALL DESTROY VIC
CHUCKALUCK VIC
LETTERSQUARES
VIC SQUIGGLE
SLO VICMAN KEY8
MASTERMIND
CRAZY BALLOON
ALIEN WASTER
ASTEROIDS
VIC MAIL
OUTPOST
BUDGET
SEPT 30 RANDOM
VICTERM
CAT
WIZZACALC
DISKMEM 8-RR1
DISKMEM INSTR.
VICWORD
VIC CONTROL KYBD
VIC TRIANGULATOR
JOYSTICK TEST

V7 - DEC 82

GUESSING GAME
WORD HUNT 8K
VIC TAPE INDEX
VIC KEYSORT
VIC SORT.DEMO1
VIC SORT.DEMO2
VIC JASPER SX
VIC COLOR ROOS S
VIC POOKY SX
VIC GARFIELD SX
DEMO.HI SX
VIC TRSHY PIC SX

VIC DESIGN SX
VIC DESIGN 2 SX
VIC DESIGN 3 SX
VIC DESIGN 4 SX
VIC VIC
DIGICLOCK
VIC AID4.REL
VICMUSIC\$1201
V 76TROMBONES
V ENTERTAINER
V WONDERLAND
OUTPOST-LOAD
OUTPOST

V8 - FEB 83

VIC DT
ZAPEM
MAZE-CHASE
GUESS THE NUMBER
HIRES INSTR.
HIRES HARDCOPY1
HIRES HARDCOPY2
HIRES H/C DEMO
CUSTOM CARDS
V JIM IN COLOUR
VIC LOTTARIO
TURTLE BOOT DISK
TURTLE BOOT TAPE
PLOT ML
TURTLE PROTO
TLJFOTT
TLJSTAR
VIC FUNCTION KEY
V-TERM 5K INST
V-TERM 5K

(V)TS - MARCH 83

LIST-ME (V)TS.L
VIC SLOTS
V TAX 82 ON V1.0
V TAX PART 2
V TAX PART 3
V 8K TAX 82
V RHINO
V 8K-LOAD
V 8K VICAB1
V 8K VICAB3
V 8K VICAB4
V 8K VICAB5

V BOMBER PILOT
V PAINT BY PEN
V CHINESE C'BOOK
V THUNDERBIRD
V ARITH CHALLENGE
V NOTONE
V DRUM MANIA
V VICAB2
V BUSINESS DEMO

(V)TT - APR 83

LIST-ME (V)TT.L
2 JOYSTICK VIC.V
AIR GUNNERS.V
?????QQQQ
SCROLLING INST.V
SCROLLING.V
LABEL MAKER 8K.V
VIC DT
MAKE-A-SKETCH.V
HIDDENMAZE JOY.V
SNAKE.V
AUTO LINE#.V
MATH SKILLS.V
LOAN PROJECT.V
LOTTO.V
CAR COSTS.V
CALENDER.V
NIM.V

(V)TU - MAY 83

LIST-ME (V)TU.L
DR DEMENTIA IN.V
DR DEMENTIA.V
MORTGAGE.Z
PRINT USING.Z
ASTRO WARS.V
DYNAMITE!.V
BRAIN WARP.V
GLOBE QUIZ.V
VIC HANGMAN.V
VIC X/O'S 8K.V
VIC EDITYPE 8K.V
TINY PLAN 8K.V

R.B. SPEEDWAY.V
VIC G.I.R. INS.V
VIC G.I.R.V
CAR RACE(T)3K.V
ALPHA. COMMAND.V
VIC PILOT 3K.V
OVER THE R'BOW.V
GREENSLEEVES.V
ZIPPITYD00-DA.V
VIC ORGAN.V
GRUNGY TOWERS 8K
GOLDRUSH.V

(V)TV - JUNE 83

LIST-ME (V)TV.L
DRIVE DISM
CROWN 3D
CALCULATE BASE.V
ALPHA. SORTER.V
METRIC CONVERT.V
DATE FORMATER.V
SPEED READING.V
ENROL LIST 8K.V
VISION TEST.V
LONG DIVISION.V
ONE ARM BANDIT.V
TARGET SHOT.V
STARSHIP 3K.V
PING/PONG(T).V
STATE CAPITAL.V
USA SONG.V

(V)T1 - SEPT 83

LIST-ME (V)T1.L
COMPUTE ART.IN.V
NEW ARTFILE8K.V
COMPUTE ARTICL.V
MONSTER PTL16K.V
ASTEROIDS 16K.V
SUB 8K.V
BIORHYTHM.V
METRIC.V
METRIC 8K.V

MOTION 1.2(3K).V
PC-DEMO1.V
PC-DEMO2.V
PC-MULTI-DEMO.V
PC-HALF-DEMO.V
KEYBOARD INTRO.V
TABLE TESTER.V

(V)T2 - OCT 83

LIST-ME (V)T2.L
TERM.VIC
TERMINAL.VIC
BABY DOS.V
VIC LIST.V
MOON+INST.V
MOON INST
MOON
MUSIC MACHINE.V
FORMAT.V
CRAPS 8K.V
LIFE SPAN 3K.V
SPACE DODGE.V

(V)T3 - NOV 83

LIST-ME (V)T3.L
MICROMON@\$0E003K
MICROMON@\$30008K
FROGRUN.V
DEPTH CHARGE J.V
UFO PILOT
COMBAT.V
MORSE CODE KEY.V
DOMINOES 8K.V
FANTASYLAND16K.V
FLIGHT SIMULAT.V
MOON LANDER.V
DEMO 1.V
DEMO 2.V
DEMO 3.V
DEMO 4.V
DEMO 5.V
DEMO 6.V
MARKET INST.V
MARKET PROG 8K.V

Contest...

(V)83 - CONTEST

FALLING STAR
THE HELICOPTER
HELI. PART 2.
FORT. HUNT.INST.
FORTUNE HUNTER
UXB PART 1
UXB PART 2
MINESLIDE
SUB-SINK.INST
SUB-SINK.MAIN
INDEX
VIC TEXT EDITOR
VIC-DATA BASE
VIC SPIRAL
MINER-8K-INTRO
MINER-8K-GAME

SKI MEET
CANADIAN MORTGAG
STAR DESTROYER
VIC ARTIST
MATHOFF
POKER! INSTRNS
ZARZON BASE
SNAKES & LADDERS
PLOW BY NUMBER
DIANE'S NUMBERS
TYPING TUTOR
MARSTON CITY
LUNAR LANDER
MUSIC
MUSIC - J.B.
POKER - VIC
VIC ALARM CLOCK
LABEL MAKER V3



COME ON DAD! COULDN'T WE UPGRADE OUR SYSTEM?

Associate Club Meetings...

PET Educators Group (Windsor)

- meets at Windsor Separate School Board Media Centre, 1485 Janette Ave. on the 3rd Wednesday of each month (not July & August) at 7:00 p.m.

Contact John Moore 519-253-8658

London Commodore Users Group

- meets at the University of Western Ontario, in Room 40 of the School of Business Administration on the last Monday of each month at 7:00 p.m.

Contact Dennis Trankner 519-681-5059

Genesee County Area Pet Users Group

- meets at Bentley High School on Belsay Rd. on the 3rd Thursday of each month at 7:00 p.m.

Contact Gordon Hale 313-239-1366

Sacramento Commodore Computer Club

- meets at SMUD Building Auditorium 6201 S Street on the 4th Monday of each month at 7:00 p.m.

Contact Geoff Worstell 916-961-8699

Michigan's Commodore 64 Users Group

- meets at Warren Woods High School in Warren on the 3rd Tuesday of each month at 7:00 p.m.

Contact Chuck Ciesliga 313-773-6302

Edmonton Commodore Users Group

- meets at St. Gabriel School on the 1st Friday of each month at 7:00 p.m.

Contact Bob Kadylo 403-465-3523

Guelph Computer Club

- meets at Co-operators Insurance Assoc. on the 2nd Tuesday of each month at 7:30 p.m.

Contact Brian Grime 519-822-4992

Commodore Users Club of Sudbury

- meets at Lasalle High School in the cafeteria on the last Thursday of each month at 7:00 p.m.

Contact Tim Miner 705-566-9632

Ordering information...

Disks

To order club disks by mail, send \$10 for each 4040 / 2031 / 1540 / 1541 disk and \$12 for each 8050 / 8250 disk (payable in advance). This includes the price of the diskette, the labour involved in copying it, and all postage and packaging charges. Do not send us diskettes.

Tapes

To order VIC 20 or Commodore 64 library tapes, send \$6.00 for each tape. Do not send us tapes.

To order PET/CBM, or Commodore Educational Software tapes, check first in the library. Each entry indicates the number of tapes required directly below the title of the listing. Send \$6.00 per tape required. Do not send us tapes.

Send all submissions to the club office (see p. 5)

- Include:
1. Membership number.
 2. Return address.
 3. Computer (disk drive).
 4. Payment by cheque or money order.

How to submit programs...

Programs for the PET, CBM, SuperPET, VIC 20 and Commodore 64 can be sent to us either on disk or tape. If you submit a disk, it will be returned to you containing "the disk of your choice" from the TPUG library. If you submit a tape, "the tape of your choice" will be sent. It is a good idea to put your membership number directly on the tape or disk you submit just in case it gets separated from its letter or envelope.

Send all orders to the club office (see p. 5)

TPUG Contacts...

*President	Michael Bonnycastle	416/654-2381
*Vice-President	Chris Bennett	416/782-9252
*Vice-President	Gord Campbell	416/492-9518
*Treasurer	Carol Shevlin	416/423-0074
*Recording Sec.	John Shepherd	416/244-1487

*Business Man.	Chris Bennett	416/782-8900
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TPUG Magazine		
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*Central Chapter	Michael Bonnycastle	416/654-2381
*C-64 Chapter	Mike Hyszk	416/884-5193
*SuperPET Chapter	Gerry Gold	416/225-8760
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*Director	Barbara Bennett	416/782-9252
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* TPUG Board of Directors

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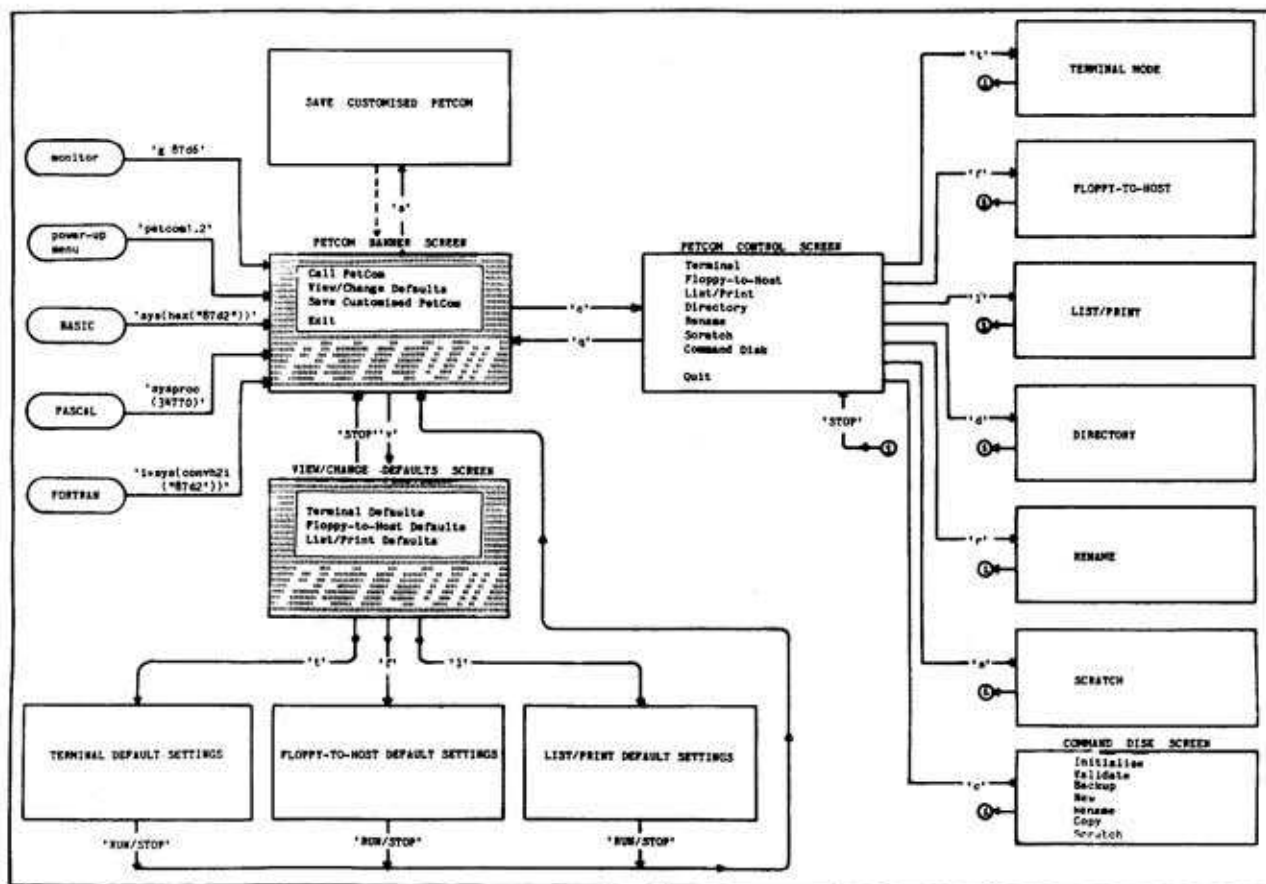
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