

Toronto PET Users Group Inc.

VIC 20 LIBRARY

Librarian - Richard Best, c/o 416/445-4524

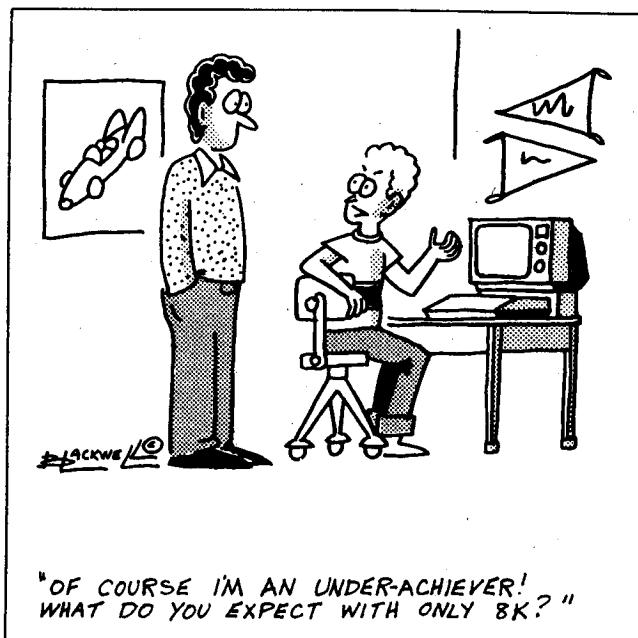
The following disks and tapes are specifically for the VIC 20. Programs on these disks and tapes have Program Codes. A period plus the **Program Code** is appended to the end of each program name on the disk or tape.

.V	VIC 20	.D	Data or Sequential files
.Z	All Commodore machines or unspecified	.L	List-Me (one-line documentation)
		.W	Word processing files

Some VIC programs require an 8K/16K/3K memory expander (as indicated). Others require the Super Expander (coded SX) for the music and graphic commands. Starting with (V)TH the program codes regarding expansion have been revised. A program labelled **V5K** will only run reliably on an unexpanded VIC, and may or may not run with 3K of expansion. Programs requiring an 8K expander are labelled **V12K**, and those needing 16K extra are labelled **V20K**. Programs which will run with any size of expansion are labelled **V**. As before, programs requiring a SuperExpander will be labelled **VSX**.

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HELLO...

The VIC 20 library currently contains more than 500 programs, reflecting thousands of hours of work by dedicated club members. Some programs turn up over and over as programmers rework them to suit their own needs. This is truly a unique collection, but the future of the library is uncertain.

Commodore discontinued production of the VIC 20 in 1984, and the little machine may soon disappear altogether. TPUG intends to support the VIC as long as there is interest (after all, the PET/CBM library is still going strong). But we can't do this without your help. Supporting the library by buying tapes/disks keeps the library solvent, but it does not keep the library growing. This can only happen if people continue to program the VIC.

So, if you have an idea for a program, write it and send it in. Or change an existing program to make it run better, do more, or be easier to use. And how about those programs that are gathering dust? Send them in. This is how our club became the largest in the world. It was built by hobbyists who programmed for fun and shared their work with others.

Note to tape users - We take the greatest of care in making our tapes and check each one individually, but if you find you have load errors with a TPUG tape, may we suggest that you ask for the instruction sheets, **Datasette Head Alignment**, from the TPUG office before assuming that the tape is faulty.

Sincerely, Richard Best, VIC Librarian, 1985

TPUG Library...

Programs that run on one machine do not necessarily run on another. Because of this fact, our library is currently divided into the following sub-libraries:

- "C" Commodore 64
- "P" PET/CBM
- "K" COMAL
- "E" Commodore Educational Software
- "O" Old TPUG prior to March/83
- "V" VIC 20
- "S" SuperPET
- "B" B-128

As Commodore comes out with new computers, TPUG will add sub-libraries e.g. the C-16, Plus 4, C-128, PC-10, and Amiga will be covered soon.

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:

- B Business
- C Communication
- D Demos

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, 2031SL, 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 distribute only 8050 disks.**

Now that Commodore has introduced the PC-10, C-128 and Amiga computers, other disk formats, compatible with these machines, are currently being added to the TPUG library.

- E Education
- F Francais
- G Games
- S Music
- T TPUG Monthly Releases
- U Utilities
- X Best of Series

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
- .V VIC 20
- .D Data or Sequential files
- .L List-Me file (one-line documentation)
- .W Word processing files

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 4 libraries which have monthly releases - VIC 20, Commodore 64, PET/CBM, SuperPET.

Monthly releases can be obtained at a special price by those attending a club meeting. 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 (cheque/money order/VISA or Mastercard + expiry date).

These monthly disks/tapes are coded with a "T". With the advent of this new library listing, the monthlies released before June 1984 have been retired and their contents merged into appropriate category disks. Also, a number of the original VIC library disks have been retired, and the best programs reissued on new category disks.

The 10 monthly "T" disks (Sept. '85 to June '86) can be ordered "in advance" at a saving of approximately 20% (\$79.95 Can. or \$59.95 U.S.).

REORGANIZED LIBRARY

All of the monthly releases prior to June 1984 have been disbanded and reissued on category tapes/disks under the headings business, demos, education, games, sound and utilities.

Business...

(v)b1 - business 1

v tax 82 on v1.0 3-part program to calculate
v tax part 2 1982 income tax.
v tax part 3
83 tax ont 8k.v 1983 tax form
mailist inst 1.v These are the instructions
mailist inst 2.v for mailist prog.v Tape users
mailist inst 3.v don't worry about 'load errors'
mailist inst 4.v Main prg works, and is very
mailist prog.v powerful. Instructions require
8K. Main prg works on any
memory.
accountant8k.v small business prog with
limited features
loan project.v projects a loan's payout time
& total interest, etc.
car costs.v calculates costs/yr. 3K exp.
mortgage.z calculate mortgage
vic editype 8k.v friendly wordpro, line editor
tiny plan 8k.v spread sheet
months 1984 3k.v displays any month of a given
year
economics 8k.v keep track of your family
budget
cheque stub.z balance your cheque book

(v)b2 - business 2

cheque stub.z a short program for balancing
your cheque book.
vic lottario picks sets of 6 numbers
between 1 & 39.
lotto.v picks sets of 6 numbers
between 1 & 49.
biorhythm.v gives your biorhythm output on
a printer.
compute art.in.v. a reference file of "compute"
articles by topic.
new artfile8k.v a blank file program for future
articles above.
compute articl.v data for 'compute art.in.v.' above
bar graph demo.v asks for data for each month
of a year, then prints a bar graph
of that data.
v chinese c'book recipes for wok.
84 calendar hc.v prints hardcopy to printer.
vision test.v tests peripheral vision.

billboard 3k.v prints a billboard of sorts to
screen, of 3 lines of 3 letters
label maker 8k.v labels may be customized if
desired. requires printer, 8k
date formater.v given yymmdd, relative date is
calculated
enrol list 8k.v gives a sample class enrolment
sept 30 random file creation program for a
mailist. has search and delete
functions and capacity for
up to 664 names. requires 16k.

Sound...

(v)s1 - sound 1

over the r'bow.v plays 'over the rainbow'
greensleeves.v plays 'greensleeves'
zippidoo-da.v plays 'zippidoo-da'
vic organ.v sets up the VIC as an organ
v drum mania turns VIC into electronic
drums played on keyboard
vicmusic\$1201 needs a digital to analog
v 76trombones adapter for the next 3 prgs
v entertainer of songs in harmony on your
v wonderland VIC
merry vic-mas plays 'noel'
frere jacques plays 'frere jacques'
vic key sets up a piano keyboard
vic sil. nite plays 'silent night'
bumblebee plays 'bumblebee'
piano turns VIC into a piano
playable by the keyboard
usa song plays 'star spangled banner'
bach's inv.4.v plays bach's inv.4
birthday song.v plays Happy Birthday to you!!!
49rem
sound demo.v menu driven sound demo

Education...

(v)e1 - education 1

vicab1 8k.v this program assists in build-
vicab2 8k.v ing vocabulary for young
vicab3 8k.v children. Teaches associat-
vicab4 8k.v ion of words to pictures. Has
vicab5 8k.v selective input i.e. for'truck'
only the 't' will be accepted,
followed by 'r...u...c...k'

Education...

arith challeng.v set the maximum value of #'s
then add 3 #'s up to max
math skills.v a series of Gr. 4 math drills
globe quiz.v basic world geography
(oceans & continents)
vic hangman.v guess the word or the trap door
will open and hang you
alpha. command.v a typing tutor game based on
an air defence game

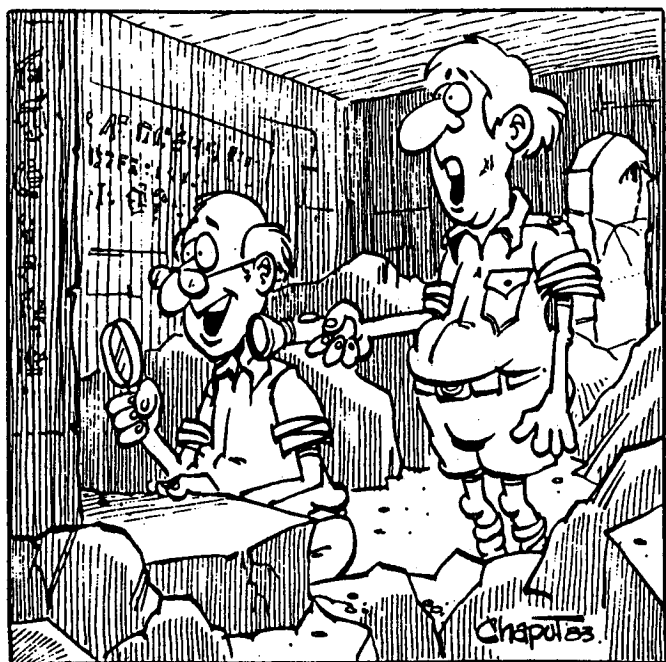
(v)e2 - education 2

metric.v drill on your knowledge of
metric prefixes
metric 8k.v same as above with added
sound and colour
keyboard intro.v a beginners guide to cursor
and screen controls
table tester.v you set high & low limits for
multiplication drills
micros-1 3k.v these micros programs are
micros-2 tutorials on the basics of
micros-3 the 6502 chip and a bit about
micros-4 machine language. They will
micros-5 autoload the next section
micros-6 from disk.
plow by #'s 3k.v an educational game the young
add drill.v addition drill for the young
Fun to use.
typing tutor8k.v drill your typing ability. Keeps
track of speed and accuracy.
Gives a score after each drill
or at the end of the lesson.
typing tutor3k.v same as above, 2 less drills.
typing teacher.v program displays a keyboard &
picks one letter at a time to
be tested. End of the program
displays 'correct word per min'
word search 3k.v asks 10 questions in addn. subt
math quiz allows small children to type
space numbers the number on the screen
speed math 1 math drill program
superprof math with all four operations
and varying difficulty levels
long division program shows the steps in
long division as you answer
the problem

(v)e3 - education 3

speed math2.v test your math skills. primary level.
et math1.v series of math drills testing different
et math2.v different math skills at a primary
et math3.v school level
et math4.v

et math5.v
vic pilot 3k.v a pilot language interpreter for vic
speed reading.v tests and improves your reading speed
quiz doc.v documentation for quiz maker and all
of the quiz programs.
judicial brch.v seven educational quiz programs.
senate quiz.v multiple choice questions on the topic
house.v scores are given, questions are retried
article 4.v later. this basic program can be
amends 11-17.v adapted to any subject area by changing
binary comp.v the data--programs are changeable.
polyatomic ion.v each is a completely separate program.
fr quiz maker.v the body for a french quiz. you supply
questions and answers.
sp quiz maker.v the body for a spanish quiz. as above.
sp sample quiz.v above program with a set of language
translating questions. choose spanish-
english, english-spanish or mixed.
state capital.v a quiz of the state capitals
periodic table.v a quiz program on the periodic table
help bill.v pre-schoolers lesson to teach parts
of bill's body
screen story.v tells about the moving screen
vision test.v tests peripheral vision
ohm's law able to calculate voltage, amperage,
ohmage, or wattage
exp regr.v for exponential regressions
probability.v simulates a rack where marbles fall
randomly. shows a graph
wave demo sx.v graphics demo
music machine.v explore vic's music capabilities.



BY GEORGE YOU'RE RIGHT BEACH! IT DOES SAY PROGRAMMED
BY JIM BUTTERFIELD.

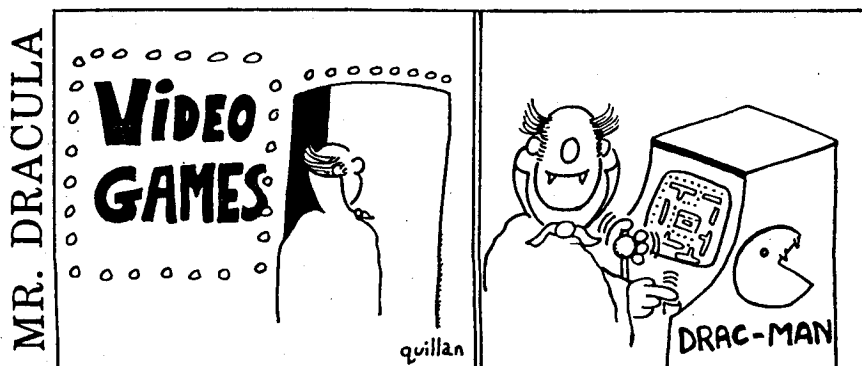
Games...

(v)g1 - games 1

shuffle.v	shuffle the numbers into the right order in this version of an old puzzle.	rescue8k.v	cheese in least possible time use ? to see map and q to quit. manoeuver your ship to landing pads & return your astronauts to the ship without rashing.
circus.v	instructions for the game	jedi8k.v	adventure based on star wars find the troopers, destroy bases
circus main.v	game with sound and graphics. Similar to the arcade version.	star trek16k.v	"trek" game with many functions and features
gotch.v	graab the monney and run before you are eaten	visiting hrs8k.v	escape from the killer explore the rooms and gathering objects placing them in the same room.
colorbot boot.v	boot for game	nightmare pk8k.v	enter commands as command: item survive a stroll thro' nightmare park and meet up with dangers
colorbot main.v	a robot zapum type game.	slither duel3.v	the quickest way may not be the best
lost boot.v	instructions for "the lost craft", a hi-res and keyboard sound game.	slither boot.v	2-player keyboard and joystick game. Player lasting the longest wins.
the lost craft.v	memory testing game for 1 or 2.	slither 4.v	load & run this before game use your joystick to move your snake and eat hearts.
word match.v	2-player hi-res game. Avoid the other player and the walls.	galactic code.v	code making/breaking program
light cycles.v	attack oncoming demons using the shift, t, and u keys.	turnip boot.v	load and run before game.
demons.v	instructions for dr. dementia.	turnip main.v	guide cyril the caterpillar to eat fruit but not veggies
dr boot.v	game requires you to stop spikes from crushing you.	towers o hanoi.v	press st p on tape before playing the game.
dr dementia.v	destroy alien craft key driven play tic tac toe	icarus boot.v	get the discs from one side to the other in order from smallest to largest.
astro wars.v	translated version of the dutch rijtest race game.	icarus main.v	load and run to play "icarus" catch icarus' feathers and turn them. Keep your energy by eating the fish.
vic x/o's 8k.v	translated version of dutch game with joystick	lawnmower.v	use keys and see how fast you finish
r.b. speedway.v	adventure-style whodunnit game like CLUE	vicquest boot.v	instructions for "vicquest", keyboard action game with five survival leve s, skill testing
car race(t)3k.v	translation of the dutch slot machine game	vicquest main.v	fun horse race game. Up to five can place bets
grungy towers 8k.v	translation from dutch use keyboard to destroy stars	queens plate.v	
one arm bandit.v	slot machine keeps track of wins and loses		
target shot.v	game using function keys		
starship 3k.v	drop depth charges on enemy submarines. a keyboard game.		
vic slots			
v rhino			
subhunt8k.v			

(v)g2 - games 2

ratrap8k.v a 3d maze game you find the



Games...

(v)g3 - games 3

ladders loader.v collect boxes to win points
ladders8k.v climb the ladders to the top
brickout.v similar to Donkey Kong
game except it is played
vertically, not horizontally.
baby.v keep your sanity while minding
the baby
dog fight sx.v shoot down enemy fighters. Joy
stick, superexpander
rocks.v Move the ship through rocks
using joystick
space drive.v guide your ship to home base
using the keyboard
copy cat. hit the first letter of the
right colour in the right order
fireball.v stop the enemy's fireballs with
your shield. Keyboard game
rain walker.v keep your man away from the
raindrops. Keyboard game
astro shower.v avoid the asteroids, keys/joy
21 w/dice.v blackjack with graphic dice
bird-man sx maze-type game, superexpander
(good graphics and sound)
crazy sc. boot.v boot for game avoid obstacles
crazy scaler.v while ascending the building
escape8kad.v adventure in which your only
objective is to stay alive
flag guess sx test of your knowledge of
national flags, super expander
grid escape.v guide your man from the top
left corner to bottom right
while avoiding obstacles
lem. sand 3k.v make the largest profit by
buying supplies carefully and
selling them at the best price
light racer sx.v beat the vic by forcing his
light cycle into a wall, you,
or its own trail

(v)g4 - games 4

monster ptl16k.v work through dungeons
to get the chest
sub 8k.v drop depth charges to
destroy submarines
moon+inst.v these next 3 programs are
moon inst for ham radio operators
moon they allow a ham to plot

craps 8k.v the exact position of the
moon in order to bounce
radio waves off it
life span 3k.v beat craps against your vic.
see how long you will live.
dominoes 8k.v you play dominoes against vic.
fantasyland16k.v an adventure game for the vic.
market inst.v instructions for game
market prog 8k.v a stock market simulation

(v)g5 - games 5

space dodge.v use joystick to dodge debris
frogrun.v like arcade game, uses keyboard
depth charge j.v use joystick to move your ship,
Fire button drops depth charges
to destroy the subs.
ufo pilot.v use joystick to move your ship.
don't hit your trail/warplane
combat.v you and your vic fight a war.
flight simulat.v controls respond similar to a
small aircraft.
moon lander.v controls have failed...you must
land safely by turning your
thrusters on & off
tron.v use joystick to trap the
computer's light rays before
they trap you
astroglad boot.v load and run for game
astrogladiator.v destroy as many alien
gladiators in the cosmic
arena as possible.
snake.v game for 0,1,or 2 players.
do not hit the other snake.
nim.v play against the vic
ping/pong(t).v translation of dutch breakout
style game.
simon.v match the coloured squares
and tones
guessing game part 1 of game uses 2 joysticks
air gunners.v (part 2) for air gunners loads
only on tape, not disk.
??? find your way through an
invisible maze. (fire -
view maze).
hiddenmaze joy.v uses custom characters
treasure chase.v draw pictures using joystick
make a sketch.v requires light pen
paint by pen 1 or 2 players. Remember
word match.v+3k where words are (vic cheats)
word hunt 12k. excellent game.

Utilities...

(v)u1 - utilities 1

terminal 8k.v upload/download terminal program. documentation can be found on bbs's using 'punter' pet-type bbs program. used by above program.

term.vic demo for the ham operator programs

ham log demo.v programs create a master log of ham operators. 2nd program for expander

log master.v load & run this before "turtle proto".

log master8k.v main part of turtle graphics.

turtle boot.v demo for program above.

turtle proto demo for program above.

t1]fott very helpful disc utility...

t1]star instructions for screen scrolling for program listings on the screen.

disc doctor.v copy from disk to tape or vice-versa.

scrolling inst.v you set start and increment. line numbers automatically generated.

scrolling.v utility disassembles the rom in disk drive or the computer.

vic dt converts nos. from 1 base to another

auto line#.v sorts strings in alphabetical order.

dive dism converts from imperial to metric.

calculate base.v instructions for adding game input routines to basic program.

alpha sorter.v joystick and keys are considered.

metric convert.v game input routine program.

vic g.i.r. ins.v has auto line numbering, colour, and hex-decimal conversion.

vic g.i.r.v jim butterfields disassembler for best of

vic aid 10.v transactor vol.2 bulletin 6.

diskmem b-rr1 duel drive copy program.

diskmem instr. converts 16k to basic memory.

copy-all a program showing how to connect 2 joysticks to a vic

16k-3k.v relocates screen & colour memory to use vic with 8k expander

joystick vic.v check what memory is in which block

v 8k-load select the speed (wpm) and words (letters) & vic plays dots & dashes

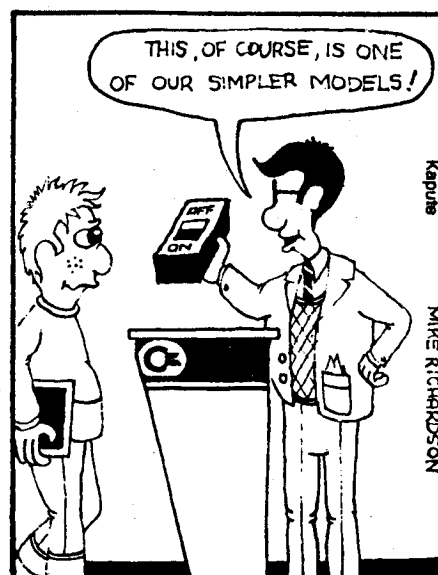
memory check.v these 2 micromon programs are machine language monitors for the vic. for complete instructions

morse code key.v see torpet #23, pages 39-43.

micromon@\$0e003k collects a disk, scratches unwanted files and collects the disk again

micromon@\$30008k

disk tidier.z



Demos...

(v)d1 - demos 1

v jim in colour see Jim animated

bar graph demo asks for data for each month of a year then prints bar graph to screen for that data

demo 1.v SS Enterprise with sound

demo 2.v illustrates screen and border colours.

demo 3.v see the two men in the VIC

demo 4.v sound effects

demo 5.v illustrates graphics

demo 6.v more sounds

pc-demo1.v these next 4 programs are from

pc-demo2.v loren wright's - programmable

pc-multi-demo.v character demonstration at the

pc-half-demo.v 1983 tpug conference

graph plot sx.v plots information on a graph

graphics 2 sx these 2 programs are graphics

graphics sx demos for the superexpander

wave demo sx.v graphics demo

ww-iii demo 12k shows the chain of events that could occur after a nuclear war starts. sound but no hires graphics

this'n'that 12k demo showing some capabilities of the VIC. Watch out for the the horoscope section.

MONTHLY RELEASES

The "T" series of releases are known as the monthly tapes/disks. They are assembled with programs that cover every aspect of computing. The librarian attempts to include on each monthly release that will appeal to everyone. We are confident that regardless of which monthly tape/disk you order, it will be a valuable addition to your personal library.

(v)ta - June 1984

dial inst.v instructions for autodial program below
dial.v autodialler for 1650 modem-req. terminal program
dt rename.v removes spaces from files saved by disk-tape program
accountant8k.v a small business program with limited features
d & d char gen.v a character generator for advanced dungeons and dragons
disc doctor.v allows various disc commands to be easily used from one program
periodic table.v a quiz program on the periodic table
defuse.v defuse the bomb before it explodes
home energy8k.v work out your home energy stats
weatherman.v tell you about the weather when you feed in the data
yahtzee!.v the game of yahtzee
screen story.v tells about the moving screen
muppet music.v the theme from the muppet show
other world16k.v adventure game
family tree8k.v build your family tree
donkey king(j).v similar to the arcade game-joystick
smurf song.v plays smurf music on your vic
help bill.v an anatomy program for pre-schoolers
game maker1.v designed for creating games
game maker2.v
game maker3.v

(v)tb - September 1984

pigs.v move pigs row to row
crazy 8/boot8k.v tape boot
crazy 8's 8k.v play crazy 8's against the vic or with others.
crazy/disk boot disk boot
battleship.doc documentation for game
b-ship/tape.v tape boot
b-ship8k.v game of battleship vs vic
b-ship/disk.v disk boot
bay street8k.v excellent stock market simulation
riki boot/tape.v tape boot
riki tiki.v capture the snakes
riki boot/disk.v disk boot

vic nos load.v loader for following prgs
vic nos save.v allows the saving of nos basiccode programs information on the above two programs may be found in the july issue of tpub
synonym.v identify synonyms
addition.v practice addition
train.v solve time/speed/distance problems
times tables.v practice with vic
decode.v morse code practice
chemist.v dilute an unstable solution with correct ratio
subtract.v practice subtraction
manitou.v an algebra game
dr.rom8k.v excellent psychiatrist program
3d tic-8k.v 3-dimensional tic tac toe
poker8k.v poker with graphics
hauntedhouse3k.v pick up the cats and avoid the spirits. joystick needed
castle dungeon.v wander through the castle defusing the bombs. Five minute time limit--hi res main castle program
d
frantic fisher.v boot program for following club the fish, and use your umbrella to avoid falling objects-graphics
frantic2.v
tic tac toe.v joystick tic tac toe

(v)tc - October 1984

planets inst.v instructions for planets.v
planets.v visual picture of planets relation to the sun
wrdfnder inst.v instructions for wordfinder.v
wordfinder.v word search game you build grid of up to 15 x 15 puzzle, then the computer finds the word you wish to locate
nightmare.v humorous machine language program load and run then enter all the basic commands you can remember
finances 8k.v another good loan and interest calculator
fugue.v run but be prepared to wait

continued

Monthly Releases...(v)tc - October 84 cont.

a minute, then sit back and watch.
teasers 8k.v this is a game simular to trival pursuit
brain bender 1.v take a peek at this if you dare, but don't load it if you are a borderline pycopathic hacker
brain bender 2.v view this for another laugh!
super fight.v custom char. demo
dragon power.v same as above
sheriff.v same as above
enterprize.v same as above
spider rescue.v rescue people from spiders watchout for the fast moving low life forms
spi2.v used by above game
char inst 8k.v programble character set for french alphabet instructions, and four demos are also included.
tape directory.v very good multi page directory with unusual ending.
unusual ending.v a rather funny prog with an unusual ending
paddle noise.v requires paddles
lotto 649.v randomly picks numbers for lotto 649 draw requires printer.
qbf changer.v if you can figure this one out .let us in on it
gemini print.v prints directory
tiny directory.v requires a printer
lprecord timer.v can be used with printer calculates time required for an album to play
12-tone music.v plays music based on arnold schoenberg's piano suite
french (disk).v translator:english to french and french to english
french (tape).v same as above accept for tape f.v
french disk 8k.v same as above. more words
french 2 8k.v file used by french (disk) 8k.v
8f.v file used by french (disk 8k.v
drum boogie.v a music prog very amusing
fr acc prac.v this is a program designed to test what you have learned in the above programs
o canada.v a very familiar song don't forget to stand at attention
percent chart.v education utility for cal-
culating percentages on marks

(v)td - November 1984

maillist inst#1.v instructions for maillist prog.v
maillist inst#2.v Tape users: don't worry about
maillist inst#3.v 'load errors' in the instr.
maillist inst#4.v Main program works, is very
maillist prog.v powerful
eliminator doc.v instructions for game,
eliminator sx.v which uses superexpander
dungeon.v adventure game
grid runner.v similar to the arcade game.
midway boot 16.v adventure game, 16K memory
the midway Can you get past the gate?
invoice.v creates invoice & prints it
purchase order.v creates a p/o & prints it
dropshipment.v same as a purchase order
colcalc inst.16k very good spead sheet
col calc 16k.v requires printer & disk drive
grade book file used for above program
sample budget same as above.
address book same as above.

(v)te - December 1984

alpha ins t.v instructions for first alpha.v
alpha ins d.v instructions for first alpha.v
first alpha.v this is a teaching game for pre-schoolers alphabet.
add+spell.v preschooler game based on math and spelling
joy draw ins tsx tape version instructions for joy drawsx.v
joy draw ins dsx disk instrs for joy drawsx.v
joy sx.v file used by instructions
joy draw sx.v requires a joy stick, and super expander
blackjack.v las vegas game "blackjack".
football 3k.v requires 3k of memory. Once started press the "?" key for play descriptions.
galactic code.v secret code program
word scrm tboot tape version instructions
word scrm dboot disk version instructions
word scrm prog.v game for 2 to 4 people of building words that the other team has to guess
hex/dec.v conversion hexadecimal numbers to decimal numbers.
crazy 8 ins t.v instructions for tape version
crazy 8 ins d.v instructions for disk version
crazy 8's play the card game against VIC
bar graph sx.v requires super expander
planet sx.v demo of bar graph
a picture of the planets

continued

Monthly Releases...(v)te - December 84 cont.

snoopy 8k sx.v requires 8k & super expander
 colour picture of Snoopy
 doodle.v requires joy stick
 headline.v larger than life characters
 you type in and it prints to
 screen
 gold.v joy stick treasure game
 duel sx.v joy stick and super expander
 starfighters game
 spiral sx.v Hires dekmo, superexpander
 maze wander sx.v maze game
 fast find inst.v instruction for fast find.v
 fast find.v a fast find program for tape
 users

(v)tg - February 1985

dynamic monitor.v for an unexpanded vic
 direct train.v education program for
 young children it will
 teach directions (up
 down left right) with
 graphics
 pj advert 8k.v build your own advertising
 screens including graphics
 and colour characters
 also can be used for send-
 ing letters to other vic
 users by disk or tape
 mountain tape.v tape boot for game called
 'mountain'
 mountain disk.v disk boot for game called
 'mountain'
 mountain ski the hills of london
 ontario using cursor or
 joystick watch out for
 the trees
 sli.dearest tape tape boot for game 'dearest'
 sli.dearest disk disk boot for game 'dearest'
 dearest requires joystick save the
 eggs of the slither by
 protecting her eggs from
 the birds
 dodge cars tape tape boot for 'dodge cars'
 dodge cars disk disk boot for 'dodge cars'
 dodge cars race through the maze for
 points. avoid oncoming cars
 by changing lanes
 yahtzee/ t.8kv tape boot for 'yahtzee'
 yahtzee/ d.8kv disk boot for 'yahtzee'
 yahtzee requires 8k similar to
 board game of same name
 caves boot t.v tape boot for game 'caves'
 caves boot d.v disk boot for game 'caves'

caves requires joystick get to
 the end of the cave
 without hitting the sides
 of the tunnel or missiles
 launch missiles at other
 ships using the fire button
 tape boot for 'rescue'
 rescue boot t.v disk boot for 'rescue'
 rescue boot d.v save the people on the
 ledges without hitting the
 skull headed demons or the
 pool of acid at the botm
 of the screen fly by pres-
 sing the fire button and
 pushihng the joystick in
 the required direction
 rescue you are in a gold mine
 mining as much gold as you
 economically can. watch out
 for the water springs
 miner sx.v just like the arcade game
 missile cmd sx.v use w,a,d,x keys for direc-
 tions and 's' to fire
 wedge ii.v supports dload, dsave,
 dverify, dclr, dcmd, dlist
 disk log 8k. enables one to find where
 on a disk a specific
 program is stored
 file lister.v this utility allows one
 to collate a list of programs
 and dump them to a printer or
 to screen
 head writer.v a utility that allows one
 to change the disk name and
 id without reformatting
 write protect.v a disk utility that allows
 one to protect a file from
 being accidentally scratched
 binary quiz.v educational program gives
 the binary number and asks
 for the equivalent base 10
 number
 hexadec./dec.v enter a hex number and vic
 will give the base 10 no.
 crazyb boot t.v tape boot for 'crazy sx.v'
 crazyb boot d.v disk boot for 'crazy sx.v'
 crazy sx.v scale the wall avoiding
 the falling objects
 fruit machine.v a vega slot machine for
 the unexpanded vic
 airline pilot.v verbally fly the plane
 by adjusting the speed
 and altitude
 algebra tutor.v educational quiz on algebra

(v)th - March/April 1985

zap!! 5k originally a commercial program. use your joystick to gobble up hearts diamonds etc, but watch out for the stars up to six may play

kaleidoscope 5k draws colourful patterns on the screen complete with sound

starbase ins.5k protect your starbase from fast-flying asteroids. guide your missiles using the number keys

starbase main program loads from starbase.ins

v-final.ins 5k this was the winner of last year's vic programming contest. defend your planet from invaders. good action and very good graphics

v-final main program loads from v-final.ins

apollo lander 5k well-written lander game

lander main program loads from apollo lander or by itself

alphabet 5k keyboard practice for the very young the little man dances for a correct response

first math math practice for young mathematicians. presents simple, two-number problems a correct answer earns a smile

page printing prints program listings with a skip over page perforations

trapped 5k a 3-dimensional maze game you must escape from a building with many doors but only one exit

trapped main program loads from trapped 5k

berzerk 5k/sx second prize winner in 1984 contest. faithful remake of the arcade game written entirely in basic--good action

algebra test solve for x & y in 2 simultaneous equations keep your calculator handy

flag game sx multiple choice test of national flags. flags are drawn in hi-res--be patient

word game 12k try to guess the scrambled words before. the vic unscrambles them for you--all ages

medical dbase 12k create a data base for all

tax form 84 12k

of your family's medical, dental and pharmaceutical records. works with tape an update of the 1983 tax program, this version will escort you through pages 1-4 of your income tax return output may be sent to a printer. instructions are contained in the program all standard values and necessary tables are provided.

(v)ti - May/June 1985

garden snake 5kv 'slither' type game.

houshi 5kv monster game for joysticks

diamond hunt 5kv slither-type game (DO PLAN)

printer math 5kv generate math problems on a printer - intro level

little men 5kv an amusing graphics demo

joy timer.v test of agility

telemazeman 5kv move around eating d ts

blackhole 5kv thunderbird game

'!' loads from blackhole

laser duel 5kv space game against VIC

mini golf 5kv golf game

yahtzee 12kv up to 5 may play yahtzee

easy edit 12kv one page at a time text editor

album file 12kv a data base for records/tapes same as album file but allows file merging, block deletes.

album merge 12kv

(v)tj - September 1985

pc ii.v5k a machine language version of 'vic puck man'. good, fast action: use a joystick

star trek.ins this is an old favourite.

star trek.v5k manoeuver the enterprise through the many sectors of deep space looking for klingons engage the klingons with your joystick

moon phases.v this simple program will calculate the four phases of the moon for a one or two-month period. the calculation may be made for any year from 100 100 ad to 9999 ad, and is accurate to one day.

etch-a-vic.v a drawing game not just for pre-schoolers converts the vic, joystick and colour screen into a pattern maker using standard vic shapes.

continued

Monthly Releases... (v)tj - September 85 cont.

base convert.v this program converts any number from one of four number systems to three other number systems. make conversions in decimal, hexadecimal, octal or binary

road riki.v5k use your joystick to help riki riki the robot cross the busy street. you must get riki to the tpub office and back to the subway without getting hit.

s-r-p.v play 'scissors-rock-paper' against the vic. remember: scissors beat paper, rock beats scissors and paper beats rock.

missile cmd.v5k this multi-level game plays like the arcade version but is less hectic. you must protect your cities from destruction from alien missiles. use the keyboard to aim and fire.

funct anal.v calculates various functions for a given equation. a sin equation is contained in line 1510 and may be changed to another function.

screenfil.v5k this program contains a machine language routine that fills the screen with any character. it is a demonstration of the speed of m/1 and may be a useful addition to your programming arsenal.

colourfil.v5k similar to screenfill, but changes the character colour.

city crusher.v5k you must clear a path to land cc2 your space ship in the middle of a city. each building cc3 requires several bombs to level cc4 it. you have three chances to land.

escape.v12k in this novel maze game you must find the exit from inside the maze. you may ask for an overhead view but must go back inside the maze to continue.

address file.v12k this personal data base is adapted from a compute! program. it will work with tape or isk and will list entries to a printer. the program will also run on a c64.

stats.v12k this menu-driven program calculates means, distributions, regressions, etc. for a large variety of data. results are printed to the screen.

disk menu.v
unicopy.ins
unicopy.v12k

vic fat-40 boot
vic fat-load
vic fat-fourty
vic fat-40 demo
vic fat-40

this handy utility allows disk programs to be loaded and automatically run from a menu. a disk copy utility from jim butterfield. it allows fast copying from disk to disk or tape. the program uses expanded memory to copy as many files as possible in each pass.

this series of programs gives the vic a forty-column screen and pet emulation. the entire cbm character set is supported as are all the vic colours. the screen will work with straight basic but not with vic m/1. many pet programs will run without alteration. requires at least 12k.

(v)tk - October 1985

planets.v

rdb char gen.ins
rdb cust char.v5

slolom.v

simple writer.v

torpilleur.v5k

spider rescue.v5k
spi2

system.v

follow the course of our solar system by plotting the positions of all the planets. planets are represented by their first letters. plot may start in any year with any number of plots/year. this graphics editor has a variety of unique features and commands that will allow you to create your own custom characters.

this simple game was written for a vic meeting presentation. although it is quite playable, its main purpose is to demonstrate custom characters and animation. this program shows how easy animation can be. the words smallest word processor! good for short memos, labels, envelopes etc

sink enemy subs by dropping depth charges. number keys control the depth of the explosions. instructions are in french.

this fast-paced game is similar to amok. use your joystick to stay away from the attacking spiders. aim and fire with the joystick

add a new command to your vic.

continued

a number of handy features. one-letter commands let you print a directory on the screen or printer, load a program, scratch files, check status, and more. file master.v12k
 might even be more useful than a disk wedge.
 this m/l loader lets you load 16 picture files from disk.
 each pair of files will generate

pix loader.vsx

a high-quality, hi-res picture with a superexpander. the show is menu-driven.
 a flexible and easy to use file manager. all you need to know to use the program is included in the menus. data manipulation routines are very powerful and allow editing, sorting, and printing formatted output.

OLD LIBRARY

The original VIC category tapes/disks issued as far back as the Fall of 1982 have been preserved and appear below. For the most part the nomenclature for these releases does not follow the current nomenclature for TPUG library releases.

Games...

(v)v1 - games
 "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/pad1"
 "moonlander"
 (v)v4 - games
 "brkout.pad1"
 "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"
 "supereverse vic"
 "vic 3 of kind"
 "wall destroy vic"
 "chuckaluck vic"
 "lettersquares"
 "vic squiggle"
 "slo vicman keyb"
 "mastermind"
 "crazy balloon"
 "alien waster"
 "asteroi s"
 "outpost"

(v)v3 - demos
 "merry vic-mas"
 "vic sound demo"
 "frere jacques"
 "graphics+sound"
 "demo"
 "sounds"
 "vic key"
 "graphdem0"
 "graphdem1"
 "graphdem3"
 "vic-demo"
 "general demo"
 "vic-kaleidoscope"
 "light show"
 "kaleidoscope"
 "colour bars"
 "vic sil. nite"
 "hires plot"
 "cirkeldemo"
 "miauw"
 "bumblebee"
 "robots"
 "mosaic"
 "kaleidoscoop"
 "snoopy hires"
 "hires demo 1"
 "sound demo"
 "keyboard demo"
 "morse"
 "birds demo"
 "piano"
 "dragon"
 "graphic demo 1"
 "handic demo3"

Demos...

"commodore symbol"
 "log & logo"
 "hi-res clock"
 "calculart"
 "vic clock"
 "vic lissajous"
 "canadian flag"
 "kinetic art"
 "trig plot"
 "bar graph"
 "vic color roos"
 "vicooky"
 "vic garfield"
 "demonstratie.hi"
 "vic trshy pic"
 "vic design"
 "vic design 2"
 "vic design 3"
 "vic design 4"
 "vic vic"
 "digiclock"
 "hiresfourier"
 "usa song"
 (v)v6 - demos
 "vic jasper"

Contest...

(v)83 - contest 83

"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"

Utilities...

(v)v2 - utilities

"tinymon1 for vic"	"basicode read"	"display t&s"
"tinymon inst"	"basicode send"	"check disk"
"programble char"	"addresses"	"performance test"
"vic char genr"	"vic dis1"	"sequential file"
"vic char demo"	"vic dis2"	"random file"
"butterfield demo"	"vic dis3"	"vic wedge"
"histogram"	"disasm"	"super vicmon2"
"vicload4.rel"	"dir"	
"vicload2.rel"	"view bam"	

(v)v5 - utilities

"terminal.serial"	"vic mail"
"term.serial"	"vic tape index"
"vic keysort"	"budget"
"vic sort.demo1"	"sept 30 random"
"vic sort.demo2"	"victerm"
"vicword"	"cat"
"vic control kybd"	"wizzacalc"
"vic triangulator"	"diskmem b-rr1"
"joystick test"	"diskmem instr."
"vic aid4.rel"	

(v)x1 - best utilities 1

VIC AID4.REL.V	Otherwise know as BASIC Aid, a great programming utility.
HIRES INSTR.V	Instructions for Hires Hardcopy programs.
HIRES HRDCOPY1.V	Prints out a hard copy using using super expander & printer.
HIRES HRDCOPY2.V	As above but requires super expander and another expander plus expansion board.
HIRES H/C DEMO.V	Demonstration program for Hires Hardcopy programs.
CUSTOM CARDS.V	Prints custom hi-res greeting cards - requires super expander & another expander p'us expansion board.
TURTLE BOOT DISK	Loads machine language part of Turtle Graphics from disk.
TURTLE BOOT TAPE	Loads machine language part of Turtle Graphics from tape.
PLOT ML	Machine language part of Turtle Graphics.
TURTLE PROTO	BASIC part of Turtle Graphics.
TLJFOTT	Demo program for Turtle Graphics emulator.
TLJSTAR	Another demo same as above.
FUNCTION KEY.V	This utility allows you to program the function keys.
TERM 5K INST.V	Instructions for "TERMINAL 5K.V".
TERMINAL 5K.V	Terminal (modem) program for standard VIC-20 allows you to communicate only.
VIC DT	Allows you to copy from disk to tape or vice-versa.
CATALOGUE.V	Display a catalogue of what is on the disk.
VICWORD	Assign keywords to shifted letters i.e. (SH)P=POKE.
JOYSTICK TEST.V	Test up, down, left, right and fire on the joystick.
LABEL MAKER 8K.V	Great utility for printing labels - requires printer & 8K.
TINYMONI FOR VIC	Machine language monitor for the VIC-20.
TINYMON INST	Instructions for machine language monitor.
VIC DIS1	Instructions for a disassembler for machine language.
VIC DIS2	BASIC part of disassembler program for the VIC-20.
VIC DIS3	Program to be loaded and run for the above.

DISASM

Example of machine language to be disassembled.

SUPER VICMON2

Simple machine language assembler.

Francais...

(v)f1 - francais 1

FR.VICAB1,8K.V	Programme educatif pour les enfants.
FR.VICAB2 8K.V	Programme educatif pour les enfants.
FR.VICAB3 8K.V	Programme educatif pour les enfants.
FR.VICAB4 8K.V	Programme educatif pour les enfants.
FR.VICAB5 8K.V	Programme educatif pour les enfants.
FR.RHINO.V	Evitez les Rhinoceros et rentrez a la maison.
FR.DEFLECTION.V	Envoyez la balle vers le triangle le p us rapidement possible.
FR.FRACTIONS.V	Vic vous pose des problemes de fractions.
FR.EXMULT.V	Problemes de multiplications.
FR.TACH.V	Programme de lecture rapide.
FR.DEV.LE #.V	Devinez le nombre de 1 a 501.
FR.SIMPL.V	Il s'agit de reduire chaque fraction a sa plus simple expression.
FR.ORTHOGRAPHE.V	Problemes d'orthographe.
FR.BAL.FAR.V	Pouvez-vous amener le ballon a destination?
FR.GRAND PRIX.V	Course automobile contre des obstacles.
FR.DIVISION.V	Problemes de divisions.
FR.LE SERPENT.V	Vous avez un temps limite pour accumuler des points.
FR.MATH-MIN.V	C'est la course mathematique contre la montre.
FR.EXDIV.V	Problemes de divisions.
FR.USS ENTER.V	Voyage de l'espace.
FR.SQUIGGLE.V	Demonstration couleurs-formes.
FR.NOTONE.V	Jeu de des contre le Vic, (tres difficile!)
FR.VOYAGEUR.V	Voyagez dans l'espace sans frapper roches et debris.
FR.AU VOLEUR.V	Le but du jeu est d'accumuler le plus d'argent sans mourir.

Software order form

NAME _____
 STREET ADDRESS _____
 CITY/TOWN/P.O. _____
 PROV/STATE _____ POSTAL/ZIP CODE _____
 TELEPHONE _____ MEMBERSHIP NO. _____

TORONTO PET USERS GROUP, 101 Duncan Mill Road, Suite G7, Don Mills, Ontario M3B 1Z3 416-445-4524

disks



To order club disks by mail, send \$10.00 for each 4040/2031/1540/1541 disk (4040 format), discount price 5-10 \$9.00 each, 11 or more \$8.00 each; and \$12.00 for each 8050/8250 disk (8050 format). We do honour purchase orders from school boards.

These disks are for use with a _____ computer and a _____ disk drive.

Please send me the following:
 3 Letter/No.

Code	Description	4040 or 8050 Format	Price

Total \$ _____ .00

tapes



To order VIC 20 or Commodore 64 library tapes, send \$6.00 for each tape.
 To order PET/CBM or Commodore Educational Software, send \$10.00 for each tape.

These tapes are for use with a _____ computer and a datasette.

If for a PET computer, what model - _____ - BASIC - 1.0(); 2.0(); 4.0()?

3 Letter/No.	Code	Description	Price

Total \$ _____ .00

The prices indicated include postage and handling as well as Ontario Provincial Sales Tax (if applicable)

Cheque/money order enclosed (payable to TPUG)

Visa/Mastercard # _____

Signature _____

Expiry date _____

