THE TORPET

$2.00— FREE to TPUG Members

DAVID HOOK — TPUG Librarian

cover story
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MACHINE LANGUAGE GROUP

FOR INFORMATION ON
THE MACHINE LANGUAGE GROUP
CALL JIM CARSWELL
(416) 531-9909

CALENDAR

TPUG 1982 - 83 Schedule

Meetings are held at Leaside Public
HighSchool - Bayview & Eglinton Avenues

First meeting Wed. Sept 15, 1982
Wed. Oct 13, 1982
Wed. Nov 10, 1982
Wed. Dec 8, 1982

Wed. Jan 12, 1983
Wed. Feb 9, 1983
Wed. Mar 9, 1983
Wed. Apr 12, 1983

Pet Conference - May 13,14,15
@ George Brown College

Last Meeting Wed. June 8, 1983

Memberships

FEES

The membership fees are as follows:
Canadian Associate members $20
U.S. Associate members $20 in U.S. funds.
Overseas Associate members $30 in U.S.
funds.
Canadian Student members $20.
Canadian Regular members $30.
The Student and Regular member fees will
be increased to $20 and $30 respectively
after August 31st 1982. Until that time they
remained $10 and $20.

Sustaining member $100

Charter Sustaining Member.....Eatons

DAVID HOOK - TPUG Librarian

The TPUG Library now totals over 1800 programmes and 6 megabytes of coding. This represents the combined efforts of TPUG members, other Pet user clubs such as Michigan, Silicon Valley, The Assem-Ted Group, Central Illinois, Rockford Ill, Winnepeg, Sphinx, European Groups, The Toronto Educational groups, and Commodore itself to name a few. We have received these programmes from travellers such as Jim Butterfield who called one day and said "Here are 10 disks of programmes which I picked up when I was over in Michigan last week", or from a member of the Silicon Valley Club who arrived at a meeting and said "Here are two disks of programmes from our group - have you seen them?".

Our response to comments like this is to call Dave Hook, our industrious librarian, and he takes over, often bartering a few of our club disks. Then he goes through the task of adding them to our library. This involves looking at each program, checking to see if it's copyright (if it is we cannot use it), checking to see if it works - if it doesn't, he often fixes it, checking to see if we've already got it - we often have and if so, he checks to see which version is better, and finally, he transferrs it to the proper category library disk and catalogues it. But it doesn't stop there!

With new programmes, Dave will pull them off and put them on the monthly disk for release at the meeting. He also adds to the monthly meeting disk on the night of the meeting. When speakers talk about a program - such as forecasting income from a retirement fund, or a whizz-bang accounting system in ten lines of coding, Dave adds those to the disk during the meeting. So the meeting disk has the latest and newest programmes - and they're all yours!!

And finally, Dave spent days and days reorganizing the library disks for the tremendous copy portion of the Pet Conference last June. He condensed the disks so that the latest programmes were available, and then he selected "The Best of" disks so that 6 disks containing the very best programmes in the entire library were available.

Recently, Dave has catalogued the entire library. This is the result. Our thanks to you, Dave Hook, for a tremendous job.

Michael Bonnycastle, President

Message from the President

Another year has transpired, and we have seen an enormous change in the microcomputer field. New and different machines have appeared, IBM has joined the market and you see different names in the literature with almost unrecognizable products. Last year we had basicaly two types of machines - 40 column and 80 column and a few of our members had 8050 discs, but now there are all kinds of new machines - Superpets, VICs, and new and different drives. There are a lot more 8050s and with the single drive, hard disk and 8250 (double sided 8050) our members are begining to wonder what they have in common with each other.

Last year we started out with about 750 members and through the year this has roughly tripled to about 2000. A lot of these are associate members, but roughly half of us are active members here in Toronto. This presents a real challenge to meet your needs; more and more we, your executive are being told that we're not providing you with what you want. And this stands to reason - a lot of you are new members and want to hear about the basics, but there are a lot of older members who have heard it all before. A lot of you have VICs and want more stuff in colour. And the number of people now with 8050s are growing and we hear you talking.

Last year we tried a lot of different things to adapt to the expanding and various needs of the members. To satisfy different groups we had separate sessions for beginners

and for VIC members. This worked well. Al Farquharson and Paul Higgenbottom were great for running these sessions. The copy session got longer and longer and some people got cut off. Dave Hook, after some persuasion agreed to copy disks during the meeting and even he admits that your response in helping was great and it worked. We had a super copy session in November which was extremely popular and in June, under the guidance of Gord Campbell and Rob Lockwood we had a Pet Conference combined with another copy session at George Brown College which turned out to be an enormous success.

All this does not happen without dedication and a lot of work from everybody. Chris Bennett has managed to keep on top of a huge amount of mail, sent out thousands of Torpets and pushed hard to get us into magazines across the continent. Our ad has appeared in Compute and mention of TPUG has appeared in a number of magazines. Dave Hook has looked after the library, now up to about 1800 programs which is a lot of work and involves collecting, reviewing, cataloguing and distributing these programs to all of us at the meetings, or through copy sessions. Bruce Beach has edited dozens of Torpets and has also produced them – often during the wee small hours of the morning. I think we'll all agree that he's done a first class job for a two year old club newsletter! These are just a few of the people who keep this club vital. There are dozens of others, not to mention Jim Butterfield, who contribute energetically, and to all of these people I extend our thanks.

What about next year? The challenges I see are going to be those of size. Our membership is increasing and your requirements are varied. I feel we can respond to those needs far better now because we have the experience and now we have far more people to draw on. But we do need help. I hope a separate VIC group will emerge and meet on their own. There may be other special groups meeting and there definitely will be more copy sessions. The room has been reserved for the Pet Conference in May and ..... well, lets wait and see. Until September then, Happy Petting, or CBMing or whatever.

Michael Bonnycastle, President

ALL DAY COPY-SESSION
by Gord Campbell
TPUG CONFERENCE – JUNE 19

The first TPUG conference was held on June 19. Based on comments received, it was a great success, even if we did learn some things from it. (ie. we didn't do everything right. But who does, the first time.)

The success was a result of the efforts of many people. Two stand out: Rob Lockwood and Jim Carswell. Rob did the initial investigation of sites, as well as organizing the speakers for the day. Even with his peak work-related activity for the year in the way, he came through in terrific fashion.

Jim was lucky enough to be our key person 'on-site' at George Brown College, where the conference was held. Between the demands of a new job and masterminding the copy session, Jim stood up to the pressure superbly.

John Shepherd and Bill O'Brien contributed significantly. They not only managed the copy centre, but Bill looked after controlling the forty-plus computer systems, and John did our 'staff training'. Both these functions ran smoothly. Would you believe that every machine was accounted for by about 90 minutes after closing?

Fred Brown put forth a valiant effort on signs for the session. This was one area which we all under-estimated. If it hadn't been for the preparation Fred did ahead of time, it would have been a real problem.

Chris Bennett did his usual outstanding job at the information desk, supplying music to calm the harried workers, and selling TORPET's and diskettes. About 90 new club memberships were sold.

Jim Butterfield deserves special mention. His schedule of international travel wasn't firm enough that we could put him on the agenda, but when he learned that he could make it, his attitude was 'what do you want me to do'. When one speaker pulled a 'no-show', Jim stepped in to satisfy the unruly mob. As well, he entertained in the 'south side-chamber' for the lucky ones who found him.

To the many speakers, we owe many thanks. While time didn't let me attend many sessions, I know that they each made a real effort to prepare for their presentations. For those of you who missed the day, it included four 'streams' of presentations, including one which was business-oriented, and another which was highly technical. The first public presentation of the Commodore 64 in English Canada was undoubtedly the highlight of the day.

One aspect of the conference which seemed to be of interest to many was the commercial displays. Exhibitors included Richvale Telecommunications, BMB Compuscience, Questar International, Computer Workshops, Computer Communications Group of Bell Canada, BPI, TypeThrifT, and SRS Electronics. Many thanks to each of these organizations. One change which many people would like for future conferences is letting the exhibitors sell. Our plans for next year will include this change.

Several individuals and organizations were generous with machines to support the session. At the risk of leaving someone out, I will mention Brock Godfrey and Bob Hulme, Commodore, the Separate School Board, Oakwood Collegiate, Mike Lieberman, Al Farquarson, Kim Lowndes, and Nazir Karigher. We expected to have some no-shows on machinery, so had lined up more than were needed. Everybody came through, which helped immensely. A couple of disk drives went down at the copy centre, but recovering simply required pulling some backup out of the 'store-room' (also known as the ladies locker room).

Dave Hook did a great job of organizing a new series of disks, 'The Best of ...'. Several new programs were available for the first time, including the best backgammon game I have seen. A total of 2.32 megabytes of programs were available for copying, or 666 programs. Paranoia resulted in having over a dozen sets of masters at the session, which turned out to be far more than neccessary. Of course, if there had been fewer, it would have turned out to be insufficient.

George Brown College was an excellent location for the Conference. The facilities are more than adequate, and it is easy to get to. Dave Fraser looks after events such as this at the College. His assistance was invaluable. There is nothing like experience to avoid mistakes. I still don't understand why the college has such an incredible electrical board for the gymnasium, but it certainly did make life easy. (The copy centre used nearly a quarter of the power outlets which were available. We started out thinking this might be a real problem.)

The final thank you is to the many people who have been missed above. Without such a tremendous amount of effort from many sources, the event would not have been possible.

How will we top this, you say? Well, without making any promises, don't plan to leave town on the weekend on May 13-15 next year. You might miss something big.

photo credit
John Easton

Jim Butterfield

Peter Smith of RTC

photo credit
John Easton

Copy Session
Manned by students

photo credit
John Easton

Steve Punter holds forth
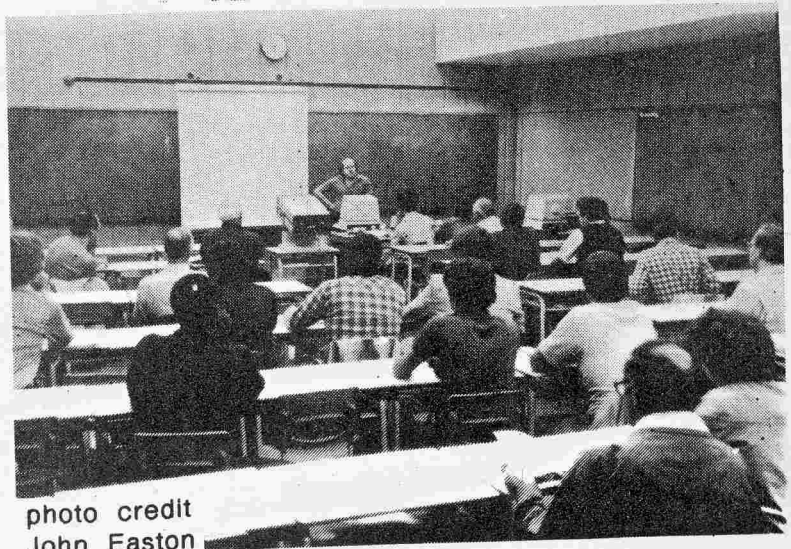
photo credit
John Easton
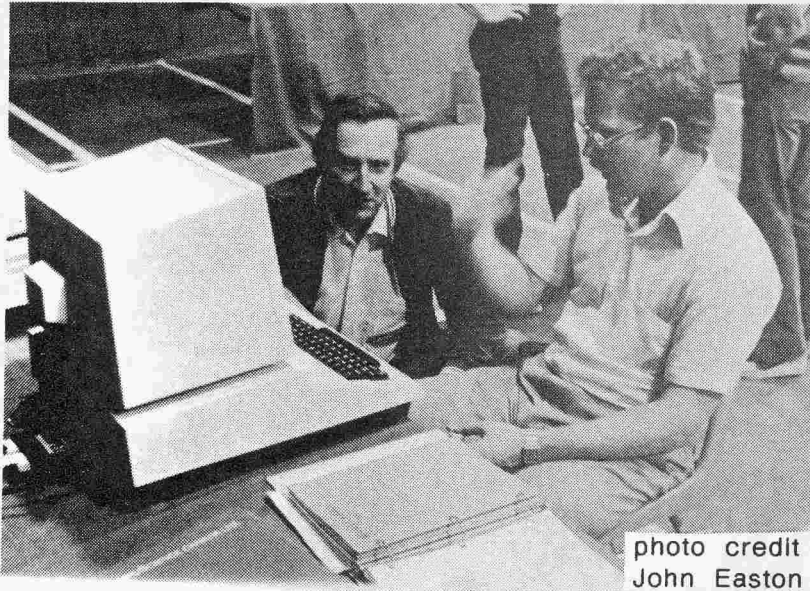
Bill MacLean from BMB

photo credit
John Easton

Three friends

photo credit
John Easton

Copy Session)

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John Easton
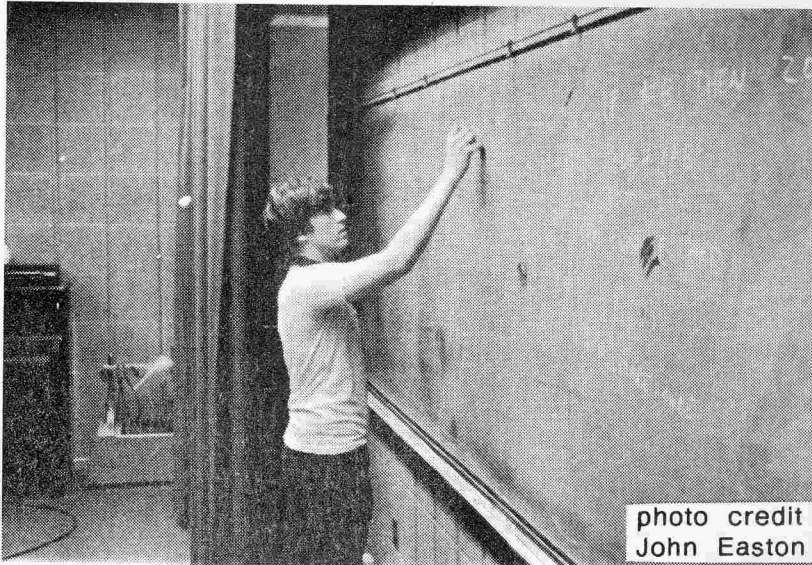
Eric Brandon conducts a session

photo credit
John Easton

Jim Law from Batteries Included
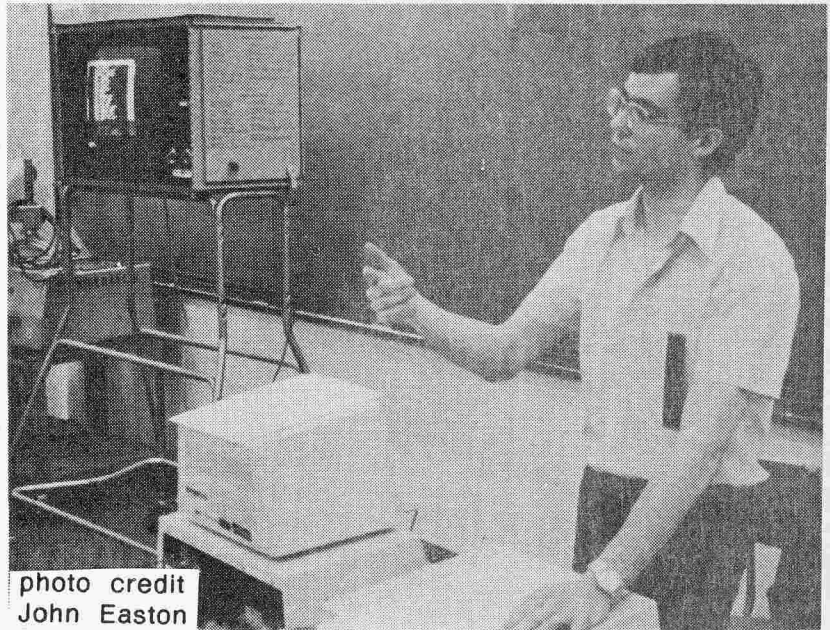
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John Easton

Brad Templeton explains PAL

photo credit
John Easton

Questions and Answers
by Chris Bennett

NEW DISKS

Every THREE months, this list will be updated and printed in full in the TORPET. The two issues that follow that month will then contain any disks added in the meantime.

Do not send us any blank diskettes or tapes. Some members have a mistaken idea about our monthly release disk. It is not a disk of the month club. We do not send the disks on approval each month to all members and then collect the money if you want to keep the disk. A number of dealer members have this idea. I stated clearly in the letter I sent out that the monthly release disk would be sent UPON REQUEST to all members who wished it.

CLUB TAPES

There is a new procedure for ordering club tapes. To order tapes, send $6.00 for each tape needed to:

Richvale Telecommunications
Att. Peter Smith
10610 Bayview Plaza, Unit #18
Richmond Hill, Ontario
Canada L4C 3N8

Make all cheques or money orders payable to 'Richvale Telecommunications' and include your membership number and return address.

Richvale now has most of the disk library transfered to tape. Most disks require two tapes to hold all the programs. Each tape costs $6.00, payable in advance, and includes the cost of the tape, mailing and handling. The contents of the tapes will be similar to the contents shown on the disk listings in the TORPET. Disks that do NOT require two tapes are V1, V2, V3, TH, G8, G9 and N2. Send $6.00 for these volumes. For all other volumes, send $12 for the two tapes required to hold all the information kept on disk.

One more point. The 8050 disks at the present time contain the same information as the 4040 disks. In other words, we have not combined 3 4040 disks into one 8050 disk. This MAY be done some time in the future if I get time.

To order these disks via the mail, just send $10 for each 4040 disk and $12 for each 8050 disk (payable in advance). This includes the price of the diskette, the labour involved to copy them and all postage and packaging charges. Do not send us any diskettes. The mailing address is:

**Chris Bennett
TPUG Secretary
381 Lawrence Ave W.
Toronto, Ont.   M5M 1B9**
Canada

COPY TREE
by Bruce Beach

The copy tree continues to grow. Some dealers have had many branches. I too have been getting requests from far off places. These are a bit difficult to service. I am inclined to say to them, "Just buy the whole set from the club library." However, this hardly seems in the spirit of the tree.

I suppose if any **club member** contacts me we will try to find an open branch for them. There should be more and more open branches all the time. For foreign members, some of our dealers will arrange this for you if you will buy the diskettes from them. Diskettes may cost you a little more this way but with duty and customs hastle it hardly makes sense to do it otherwise.

(519) 925-5376

COMPLETE TPUG

TPUG Master Catalog -- up to June 1982

Name	Disk	Type	Pg	Collection
AUTO DISK BOOT	U6 P	8	TPUG-UTILITIES 6
AUTO DISK BOOT	X1 P	8	TPUG BEST-UTIL 1
'PERCENT' DRILL	E7 P	24	TPUG-CEAB 7
(32K)BASIC-AID	U1 P	9	UTILITIES #1
-- BASIC 2.0 --	X3 P	1	TPUG BEST-GAME 1
-- BASIC 4.0 --	X4 P	1	TPUG BEST-GAME 2
1950'S MEDLEY!	S1 P	13	TPUG-MUSIC 1
20 QUESTIONS	E1 P	15	TPUG-EDUC 1
300 ANS	C2 P	3	TPUG-COMMUNIC 2
3D PLOT	N1 P	27	TPUG-MTH/SCI1
3D TIC-TAC-TOE	G3 P	17	TPUG-WRD/NUM1
3D.PLOT.ASM	A1 P	20	TPUG-ASSM 1
4040 FORMAT	B2 P	5	TPUG-BUSNSS 2
4040 FORMAT	X6 P	5	TPUG BEST-MISC 1
4040 MENU	B2 P	3	TPUG-BUSNSS 2
4040 MENU	X6 P	3	TPUG BEST-MISC 1
4040 PRINT	B2 P	25	TPUG-BUSNSS 2
4040 PRINT	X6 P	25	TPUG BEST-MISC 1
4040 UPDATE	B2 P	41	TPUG-BUSNSS 2
4040 UPDATE	X6 P	41	TPUG BEST-MISC 1
76 TROMBONES!	S1 P	10	TPUG-MUSIC 1
80 COLUMN DEMO	E4 P	16	TPUG-CEAB 4
8010 MODEM DRIVR	C1 P	47	TPUG-COMMUN 1
8010 MODEM DRIVR	E6 P	47	TPUG-CAEB 6
8032 WATAID 4	U6 P	17	TPUG-UTILITIES 6
8050 FORMAT	B2 P	6	TPUG-BUSNSS 2
8050 FORMAT	X6 P	6	TPUG BEST-MISC 1
8050 MENU	B2 P	3	TPUG-BUSNSS 2
8050 MENU	X6 P	3	TPUG BEST-MISC 1
8050 PRINT	B2 P	25	TPUG-BUSNSS 2
8050 PRINT	X6 P	25	TPUG BEST-MISC 1
8050 UPDATE	B2 P	42	TPUG-BUSNSS 2
8050 UPDATE	X6 P	42	TPUG BEST-MISC 1
8K	A4 P	24	TPUG-ASSM 4
8K	U2 P	24	UTILITIES #2
8K	U3 P	24	UTILITIES #3
8K	X2 P	24	TPUG BEST-UTIL 2
A STORY	E4 P	5	TPUG-CEAB 4
A V OR MINERAL	E2 P	10	TPUG-CEAB 1
ABACUS	Z1 P	6	TPUG-MISC. 1
ACROBAT 2.0	X3 P	23	TPUG BEST-GAME 1
ACROBAT 4.0	X4 P	24	TPUG BEST-GAME 2
ADD&SUB	E6 P	28	TPUG-CAEB 6
ADDCOMS.PAL	A5 P	10	TPUG-ASSEMBLER 5
ADDITION GAME	E1 P	6	TPUG-EDUC 1
ADDRESSES	V2 P	8	TPUG-VIC UTIL 1
ADV30 GAME	G1 P	26	TPUG-SIMLTN 1
ADV30 INTRO	G1 P	6	TPUG-SIMLTN 1
ADV9 0	G7 S	9	TPUG-SIMLTN 2
ADV9 0	X5 S	9	TPUG BEST-GAME 3
ADV9 1	G7 S	5	TPUG-SIMLTN 2
ADV9 1	X5 S	5	TPUG BEST-GAME 3
ADV9 10	G7 S	2	TPUG-SIMLTN 2
ADV9 10	X5 S	2	TPUG BEST-GAME 3
ADV9 11	G7 S	2	TPUG-SIMLTN 2
ADV9 11	X5 S	2	TPUG BEST-GAME 3
ADV9 12	G7 S	2	TPUG-SIMLTN 2
ADV9 12	X5 S	2	TPUG BEST-GAME 3
ADV9 13	G7 S	2	TPUG-SIMLTN 2
ADV9 13	X5 S	2	TPUG BEST-GAME 3
ADV9 2	G7 S	5	TPUG-SIMLTN 2
ADV9 2	X5 S	5	TPUG BEST-GAME 3
ADV9 20	G7 S	3	TPUG-SIMLTN 2
ADV9 20	X5 S	3	TPUG BEST-GAME 3
ADV9 21	G7 S	7	TPUG-SIMLTN 2
ADV9 21	X5 S	7	TPUG BEST-GAME 3
ADV9 22	G7 S	6	TPUG-SIMLTN 2
ADV9 22	X5 S	6	TPUG BEST-GAME 3
ADV9 23	G7 S	5	TPUG-SIMLTN 2
ADV9 23	X5 S	5	TPUG BEST-GAME 3
ADV9 24	G7 S	6	TPUG-SIMLTN 2
ADV9 24	X5 S	6	TPUG BEST-GAME 3
ADV9 25	G7 S	7	TPUG-SIMLTN 2
ADV9 25	X5 S	7	TPUG BEST-GAME 3
ADV9 26	G7 S	11	TPUG-SIMLTN 2
ADV9 26	X5 S	11	TPUG BEST-GAME 3
ADV9 27	G7 S	6	TPUG-SIMLTN 2
ADV9 27	X5 S	6	TPUG BEST-GAME 3
ADV9 28	G7 S	5	TPUG-SIMLTN 2
ADV9 28	X5 S	5	TPUG BEST-GAME 3
ADV9 29	G7 S	1	TPUG-SIMLTN 2
ADV9 29	X5 S	1	TPUG BEST-GAME 3
ADV9 3	G7 S	4	TPUG-SIMLTN 2
ADV9 3	X5 S	4	TPUG BEST-GAME 3
ADV9 31	G7 S	7	TPUG-SIMLTN 2
ADV9 31	X5 S	7	TPUG BEST-GAME 3
ADV9 4	G7 S	3	TPUG-SIMLTN 2
ADV9 4	X5 S	3	TPUG BEST-GAME 3
ADV9 5	G7 S	4	TPUG-SIMLTN 2
ADV9 5	X5 S	4	TPUG BEST-GAME 3
ADV9 6	G7 S	6	TPUG-SIMLTN 2
ADV9 6	X5 S	6	TPUG BEST-GAME 3
ADV9 7	G7 S	3	TPUG-SIMLTN 2
ADV9 7	X5 S	3	TPUG BEST-GAME 3
ADV9 8	G7 S	4	TPUG-SIMLTN 2
ADV9 8	X5 S	4	TPUG BEST-GAME 3
ADV9 9	G7 S	4	TPUG-SIMLTN 2
ADV9 9	X5 S	4	TPUG BEST-GAME 3
ADVBOOT	G1 P	1	TPUG-SIMLTN 1
ADVBOOT	X5 P	1	TPUG BEST-GAME 3
ADVENTURE	G1 P	49	TPUG-SIMLTN 1
ADVENTURE	X5 P	49	TPUG BEST-GAME 3
ADVENTURE GAME	G1 P	26	TPUG-SIMLTN 1
ADVENTURE-M.B.	G1 P	9	TPUG-SIMLTN 1
ADVENTURE80	G7 P	49	TPUG-SIMLTN 2
ADVENTURE80	X5 P	49	TPUG BEST-GAME 3
ADVF 0	G1 S	9	TPUG-SIMLTN 1
ADVF 0	X5 S	9	TPUG BEST-GAME 3
ADVF 1	G1 S	5	TPUG-SIMLTN 1
ADVF 1	X5 S	5	TPUG BEST-GAME 3
ADVF 10	G1 S	2	TPUG-SIMLTN 1
ADVF 10	X5 S	2	TPUG BEST-GAME 3
ADVF 11	G1 S	2	TPUG-SIMLTN 1
ADVF 11	X5 S	2	TPUG BEST-GAME 3
ADVF 12	G1 S	2	TPUG-SIMLTN 1
ADVF 12	X5 S	2	TPUG BEST-GAME 3
ADVF 13	G1 S	2	TPUG-SIMLTN 1
ADVF 13	X5 S	2	TPUG BEST-GAME 3
ADVF 2	G1 S	5	TPUG-SIMLTN 1
ADVF 2	X5 S	5	TPUG BEST-GAME 3
ADVF 20	G1 S	3	TPUG-SIMLTN 1
ADVF 20	X5 S	3	TPUG BEST-GAME 3
ADVF 21	G1 S	7	TPUG-SIMLTN 1
ADVF 21	X5 S	7	TPUG BEST-GAME 3
ADVF 22	G1 S	6	TPUG-SIMLTN 1
ADVF 22	X5 S	6	TPUG BEST-GAME 3
ADVF 23	G1 S	5	TPUG-SIMLTN 1
ADVF 23	X5 S	5	TPUG BEST-GAME 3
ADVF 24	G1 S	6	TPUG-SIMLTN 1
ADVF 24	X5 S	6	TPUG BEST-GAME 3
ADVF 25	G1 S	7	TPUG-SIMLTN 1
ADVF 25	X5 S	7	TPUG BEST-GAME 3
ADVF 26	G1 S	11	TPUG-SIMLTN 1
ADVF 26	X5 S	11	TPUG BEST-GAME 3

ALPHABETIC LIST

ADVF 27	G1 S	6	TPUG-SIMLTN 1
ADVF 27	X5 S	6	TPUG BEST-GAME 3
ADVF 28	G1 S	5	TPUG-SIMLTN 1
ADVF 28	X5 S	5	TPUG BEST-GAME 3
ADVF 29	G1 S	1	TPUG-SIMLTN 1
ADVF 29	X5 S	1	TPUG BEST-GAME 3
ADVF 3	G1 S	4	TPUG-SIMLTN 1
ADVF 3	X5 S	4	TPUG BEST-GAME 3
ADVF 31	G1 S	7	TPUG-SIMLTN 1
ADVF 31	X5 S	7	TPUG BEST-GAME 3
ADVF 4	G1 S	3	TPUG-SIMLTN 1
ADVF 4	X5 S	3	TPUG BEST-GAME 3
ADVF 5	G1 S	4	TPUG-SIMLTN 1
ADVF 5	X5 S	4	TPUG BEST-GAME 3
ADVF 6	G1 S	6	TPUG-SIMLTN 1
ADVF 6	X5 S	6	TPUG BEST-GAME 3
ADVF 7	G1 S	3	TPUG-SIMLTN 1
ADVF 7	X5 S	3	TPUG BEST-GAME 3
ADVF 8	G1 S	4	TPUG-SIMLTN 1
ADVF 8	X5 S	4	TPUG BEST-GAME 3
ADVF 9	G1 S	4	TPUG-SIMLTN 1
ADVF 9	X5 S	4	TPUG BEST-GAME 3
ADVITM	G1 S	9	TPUG-SIMLTN 1
ADVITM	G7 S	9	TPUG-SIMLTN 2
ADVITM	X5 S	9	TPUG BEST-GAME 3
ADVKEYS	G1 S	8	TPUG-SIMLTN 1
ADVKEYS	G7 S	8	TPUG-SIMLTN 2
ADVKEYS	X5 S	8	TPUG BEST-GAME 3
ADVMAP	G1 S	21	TPUG-SIMLTN 1
ADVMAP	G7 S	21	TPUG-SIMLTN 2
ADVMAP	X5 S	21	TPUG BEST-GAME 3
ADVSH8	G7 S	18	TPUG-SIMLTN 2
ADVSH8	X5 S	18	TPUG BEST-GAME 3
ADVSH9	G7 S	18	TPUG-SIMLTN 2
ADVSHOR	G1 S	18	TPUG-SIMLTN 1
ADVSHOR	X5 S	18	TPUG BEST-GAME 3
AFO WITH SOUND	G2 P	25	TPUG-SPACE 1
AFRICA & ASIA	E1 P	20	TPUG-EDUC 1
AFRICAN ADV-32K	G7 P	91	TPUG-SIMLTN 2
AFRICAN CAPITALS	E7 P	20	TPUG-CEAB 7
AID 2.1	U1 P	13	UTILITIES #1
AID INSTR7.6	U1 P	42	UTILITIES #1
AID INSTRUCTIONS	U2 P	6	UTILITIES #2
AID.CT	A2 P	1	TPUG-ASSM 2
AID.M01	A2 P	9	TPUG-ASSM 2
AID.M02	A2 P	30	TPUG-ASSM 2
AID.M03	A2 P	27	TPUG-ASSM 2
AID2	E6 P	8	TPUG-CAEB 6
AID2	X1 P	8	TPUG BEST-UTIL 1
AID4	E6 P	8	TPUG-CAEB 6
AID4	U1 P	8	UTILITIES #1
AID4	X1 P	8	TPUG BEST-UTIL 1
AID4.ASM	A3 P	31	TPUG-ASSM 3
AIRPLANE	G4 P	23	TPUG-GAMES 1
ALLELUJAH!	S1 P	9	TPUG-MUSIC 1
ALPHA-LIST	E6 P	4	TPUG-CAEB 6
AMORT'N TABLES	E2 P	13	TPUG-CEAB 1
AMORTIZATION HEL	E5 P	9	TPUG-CEAB 5
ANDROID NIM!	G3 P	23	TPUG-WRD/NUM1
ANIMAL	E1 P	13	TPUG-EDUC 1
ANIMAL.DATA	E1 S	10	TPUG-EDUC 1
ANTI-AIR/BUS	G5 P	13	TPUG-GAMES 2
ANTONYMS!	E8 P	17	TPUG-EDUC 2
APARTMENT.INCOME	B1 P	24	TPUG-BUSNSS 1
APP LOAD SOURCE	A3 P	49	TPUG-ASSM 3
APP/REN24.REL	X1 P	22	TPUG BEST-UTIL 1
APPEND.ASM	A2 P	8	TPUG-ASSM 2

APPEND/RENUM.REL	U1 P	14	UTILITIES #1
APPLE.LOADER.ASM	A2 P	36	TPUG-ASSM 2
APPLESOFT LOADER	U3 P	5	UTILITIES #3
APR 80	B1 S	2	TPUG-BUSNSS 1
ARROW	G5 P	7	TPUG-GAMES 2
ARROW	V1 P	8	TPUG-VIC GAME 1
ARROW	X3 P	7	TPUG BEST-GAME 1
ARROW	X4 P	7	TPUG BEST-GAME 2
ARROW 2	V1 P	9	TPUG-VIC GAME 1
ARROW-BTTRFLD	G4 P	7	TPUG-GAMES 1
ARTILLERY	V1 P	13	TPUG-VIC GAME 1
ARTILLERY TRAP	G6 P	11	TPUG-GAMES 3
ASIAN CAPITALS	E7 P	19	TPUG-CEAB 7
ASK	E1 P	2	TPUG-EDUC 1
ASM CONV MOS_COM	A3 P	4	TPUG-ASSM 3
ASTEROIDS	GA P	22	TPUG - GAMES 5
ASTEROIDS	X3 P	22	TPUG BEST-GAME 1
ASTEROIDS	X4 P	22	TPUG BEST-GAME 2
ATARI II	G2 P	14	TPUG-SPACE 1
AUDIO DESIGNER	N2 P	17	TPUG-MTH/SCI2
AUNTIE	L1 P	14	TPUG-LANGUAGE 1
AUTO FILE WRITER	E5 P	6	TPUG-CEAB 5
AWARI	G4 P	14	TPUG-GAMES 1
AWARI	G6 P	17	TPUG-GAMES 3
AX-REF/SYS24576	U3 P	4	UTILITIES #3
BABY CARE	G7 P	12	TPUG-SIMLTN 2
BACKGAMMON 2.0	X3 P	30	TPUG BEST-GAME 1
BACKGAMMON 4.0	X4 P	30	TPUG BEST-GAME 2
BACKUP 2031 1.0	U5 P	15	TPUG-UTILITIES 5
BACKUP 2031 1.0	X1 P	15	TPUG BEST-UTIL 1
BAGELS-BUTTRFLD	G3 P	3	TPUG-WRD/NUM1
BAGELSX2-BTTRFLD	G3 P	12	TPUG-WRD/NUM1
BAID INST	U4 P	11	UTILITIES #4
BAID.X$9000@2000	U2 P	17	UTILITIES #2
BAID240A	U5 P	17	TPUG-UTILITIES 5
BAID240A	X1 P	17	TPUG BEST-UTIL 1
BAID240AB	U4 P	17	UTILITIES #4
BAID240C	U5 P	17	TPUG-UTILITIES 5
BAID240C	X1 P	17	TPUG BEST-UTIL 1
BAID240CB	U4 P	17	UTILITIES #4
BAID4.CT	A4 P	2	TPUG-ASSM 4
BAID4.DOS	A4 P	14	TPUG-ASSM 4
BAID4.EXE9@4	U3 P	17	UTILITIES #3
BAID4.INS	U2 P	10	UTILITIES #2
BAID4.INS	U3 P	10	UTILITIES #3
BAID4.M1	A4 P	9	TPUG-ASSM 4
BAID4.M2	A4 P	17	TPUG-ASSM 4
BAID4.M3C	A4 P	22	TPUG-ASSM 4
BAID4.M4	A4 P	27	TPUG-ASSM 4
BAID440A	U5 P	17	TPUG-UTILITIES 5
BAID440A	X1 P	17	TPUG BEST-UTIL 1
BAID440AB	U4 P	17	UTILITIES #4
BAID440C	U5 P	17	TPUG-UTILITIES 5
BAID440C	X1 P	17	TPUG BEST-UTIL 1
BAID440CB	U4 P	14	UTILITIES #4
BAID480A	U5 P	17	TPUG-UTILITIES 5
BAID480A	X1 P	17	TPUG BEST-UTIL 1
BAID480AB	U4 P	17	UTILITIES #4
BAID480C	U5 P	17	TPUG-UTILITIES 5
BAID480C	X1 P	17	TPUG BEST-UTIL 1
BAID480CB	U4 P	17	UTILITIES #4
BAID4B@$7000	U2 P	17	UTILITIES #2
BAID4F40A	U5 P	17	TPUG-UTILITIES 5
BAID4F40A	X1 P	17	TPUG BEST-UTIL 1
BAID4F40C	U5 P	17	TPUG-UTILITIES 5
BAID4F40C	X1 P	17	TPUG BEST-UTIL 1
BAIRSTOW NTH EQS	E4 P	6	TPUG-CEAB 4

Name	Code	No.	Disk
BALANCING EQU	E5 P	46	TPUG-CEAB 5
BALANCING EQU	E8 P	46	TPUG-EDUC 2
BAM MAP	X1 P	16	TPUG BEST-UTIL 1
BAM MAP CBMDSK	U2 P	16	UTILITIES #2
BANDIT 1	V1 P	11	TPUG-VIC GAME 1
BANNER/R	Z2 P	36	TPUG-MISCELLAN 2
BAR GRAPH	V3 P	2	TPUG-VIC DEMO 1
BAR GRAPH 2.4	N2 P	21	TPUG-MTH/SCI2
BAR.GRAPH.ALT	Z1 P	9	TPUG-MISC. 1
BAROQUE FANFARE!	S1 P	4	TPUG-MUSIC 1
BARRICADE	V1 P	5	TPUG-VIC GAME 1
BASE CONV.ALT	E8 P	23	TPUG-EDUC 2
BASEBALL 7.3	GA P	26	TPUG - GAMES 5
BASEBALL 7.3	X3 P	26	TPUG BEST-GAME 1
BASEBALL 7.3	X4 P	26	TPUG BEST-GAME 2
BASIC AID 4	U2 P	11	UTILITIES #2
BASIC STATISTICS	E4 P	3	TPUG-CEAB 4
BASIC-AID.ASM	A5 P	2	TPUG-ASSEMBLER 5
BASIC-AID.CT	A5 P	3	TPUG-ASSEMBLER 5
BASIC-AID.DOS	A5 P	11	TPUG-ASSEMBLER 5
BASIC-AID.INST1	U5 P	29	TPUG-UTILITIES 5
BASIC-AID.INST1	X1 P	29	TPUG BEST-UTIL 1
BASIC-AID.INST2	U5 P	35	TPUG-UTILITIES 5
BASIC-AID.INST2	X1 P	34	TPUG BEST-UTIL 1
BASIC-AID.M1A	A5 P	19	TPUG-ASSEMBLER 5
BASIC-AID.M1B	A5 P	17	TPUG-ASSEMBLER 5
BASIC-AID.M2A	A5 P	16	TPUG-ASSEMBLER 5
BASIC-AID.M2B	A5 P	14	TPUG-ASSEMBLER 5
BASIC-AID.M3A	A5 P	16	TPUG-ASSEMBLER 5
BASIC-AID.M3B	A5 P	28	TPUG-ASSEMBLER 5
BASIC-AID.M3C	A5 P	21	TPUG-ASSEMBLER 5
BASIC-AID.M4	A5 P	29	TPUG-ASSEMBLER 5
BASIC-AID.ROLLA	A5 P	19	TPUG-ASSEMBLER 5
BASIC-AID.ROLLB	A5 P	17	TPUG-ASSEMBLER 5
BASIC.AID.EXE	A2 P	11	TPUG-ASSM 2
BASIC.AID.EXE	U1 P	11	UTILITIES #1
BASIC.AID.INS	A2 P	31	TPUG-ASSM 2
BASIC.HUMOROUS	Z1 P	14	TPUG-MISC. 1
BASICODE READ	V2 P	6	TPUG-VIC UTIL 1
BASICODE SEND	V2 P	7	TPUG-VIC UTIL 1
BASKETBALL	G6 P	16	TPUG-GAMES 3
BATTLESHIP	GB P	16	TPUG - GAMES 6
BATTLESHIP.ALT2	G5 P	18	TPUG-GAMES 2
BATTLESHIPS	G4 P	14	TPUG-GAMES 1
BBS PROGRAM	C1 P	47	TPUG-COMMUN 1
BEADS	E3 P	4	TPUG-CEAB 2/3
BEST FIT(LEAST)	E4 P	3	TPUG-CEAB 4
BIG BINARY	E5 P	3	TPUG-CEAB 5
BIG LETTER ADS	Z1 P	21	TPUG-MISC. 1
BIG LETTER BOGGL	GB P	17	TPUG - GAMES 6
BIG MATH 1.1	E1 P	11	TPUG-EDUC 1
BILLIARDS	G6 P	10	TPUG-GAMES 3
BILLIARDS!	G5 P	25	TPUG-GAMES 2
BINGO	G3 P	11	TPUG-WRD/NUM1
BINSEARCH	L1 P	2	TPUG-LANGUAGE 1
BIOPRINTER 6.3	N1 P	17	TPUG-MTH/SCI1
BIORHYTHM	V1 P	12	TPUG-VIC GAME 1
BIORHYTHM 1.5	N1 P	8	TPUG-MTH/SCI1
BIRDS DEMO	V3 P	12	TPUG-VIC DEMO 1
BKEEPING.ALT	B3 P	21	TPUG-BUSINESS 3
BL GET @$033A	U1 P	1	UTILITIES #1
BL JACK-PUNTER	G4 P	15	TPUG-GAMES 1
BLACK BOX!	G4 P	22	TPUG-GAMES 1
BLACK BOX!	X3 P	22	TPUG BEST-GAME 1
BLACK BOX!	X4 P	22	TPUG BEST-GAME 2
BLACK JACK	X3 P	19	TPUG BEST-GAME 1
BLACK JACK	X4 P	19	TPUG BEST-GAME 2
BLACK JACK 4.1	G4 P	20	TPUG-GAMES 1
BLACKBOX	G6 P	26	TPUG-GAMES 3
BLACKJACK	V1 P	9	TPUG-VIC GAME 1
BLACKJACK 80 COL	GA P	13	TPUG - GAMES 5
BLACKJACK!!	G4 P	18	TPUG-GAMES 1
BLACKJACK.ALT	G6 P	20	TPUG-GAMES 3
BLOCK GET 1.0	U1 P	2	UTILITIES #1
BLOCKADE	GA P	26	TPUG - GAMES 5
BLOCKADE	X3 P	26	TPUG BEST-GAME 1
BLOCKADE	X4 P	26	TPUG BEST-GAME 2
BMBSTRINGTHING	A2 S	14	TPUG-ASSM 2
BOGGLE	G6 P	9	TPUG-GAMES 3
BOMBER	G4 P	13	TPUG-GAMES 1
BOMBER	X3 P	13	TPUG BEST-GAME 1
BOMBER	X4 P	13	TPUG BEST-GAME 2
BOMBER.ALT	G6 P	13	TPUG-GAMES 3
BONDS	E5 P	9	TPUG-CEAB 5
BONE TUMOR DIAGN	N2 P	17	TPUG-MTH/SCI2
BOWLING	G4 P	10	TPUG-GAMES 1
BOWLING	G6 P	25	TPUG-GAMES 3
BOXING	G6 P	11	TPUG-GAMES 3
BRAIN STRAIN	G3 P	5	TPUG-WRD/NUM1
BRASS POUNDER 2	C2 P	19	TPUG-COMMUNIC 2
BREAK80	G8 P	7	TPUG-GAMES 4
BREAKOUT	G4 P	7	TPUG-GAMES 1
BREAKOUT	G5 P	16	TPUG-GAMES 2
BREAKOUT	G8 P	7	TPUG-GAMES 4
BREAKOUT	V1 P	6	TPUG-VIC GAME 1
BREAKOUT	X3 P	7	TPUG BEST-GAME 1
BREAKOUT	X4 P	7	TPUG BEST-GAME 2
BREAKOUT 3.1	G6 P	6	TPUG-GAMES 3
BRIDGE BID TRAIN	G6 P	23	TPUG-GAMES 3
BUILD HELLO	U3 P	4	UTILITIES #3
BUMBLE BEE!	S1 P	12	TPUG-MUSIC 1
BUMBLEBEE	V3 P	11	TPUG-VIC DEMO 1
BUS.PR\CASH\ROI	B1 P	12	TPUG-BUSNSS 1
BUSH TRAIL	V1 P	12	TPUG-VIC GAME 1
BUTTERFIELD DEMO	V2 P	3	TPUG-VIC UTIL 1
C-C'S AUST & AME	E7 P	21	TPUG-CEAB 7
C-C'S CAN & EUR	E7 P	21	TPUG-CEAB 7
C.C.STARWAR	G2 P	27	TPUG-SPACE 1
C.C.STARWAR.INS	G2 P	22	TPUG-SPACE 1
C2 WATER/ZEBRA L	E9 P	44	TPUG-EDUCATION 9
CALCULART	V3 P	11	TPUG-VIC DEMO 1
CALENDAR	E3 P	16	TPUG-CEAB 2/3
CALENDAR-LOWNDES	Z1 P	11	TPUG-MISC. 1
CALENDAR.ALT	Z1 P	7	TPUG-MISC. 1
CANADIAN FLAG	V3 P	3	TPUG-VIC DEMO 1
CANARY	Z1 P	3	TPUG-MISC. 1
CANBAL&MISSY.SOL	Z1 P	10	TPUG-MISC. 1
CANNATA	Z1 P	7	TPUG-MISC. 1
CAPITAL CITIES	E7 P	46	TPUG-CEAB 7
CAPITALS	E2 P	13	TPUG-CEAB 1
CAR RACE	V1 P	13	TPUG-VIC GAME 1
CAR RACE 2.0	X3 P	20	TPUG BEST-GAME 1
CAR RACE 4.0	G8 P	20	TPUG-GAMES 4
CAR RACE 4.0	X4 P	20	TPUG BEST-GAME 2
CAR.COST\MILE	B1 P	25	TPUG-BUSNSS 1
CARD SNAP	G5 P	22	TPUG-GAMES 2
CARDS UTILITY	G5 P	11	TPUG-GAMES 2
CARTOON!	Z1 P	20	TPUG-MISC. 1
CASCADE	Z1 P	6	TPUG-MISC. 1
CASH REGISTER	E1 P	9	TPUG-EDUC 1
CASS.LABELER	U4 P	15	UTILITIES #4
CASS.LABELER	X1 P	15	TPUG BEST-UTIL 1
CASSETTE.TO.DISK	U1 P	7	UTILITIES #1
CASTLE ADV-32K	G9 P	75	TPUG-SIMLTN 3
CATALOG	U1 P	8	UTILITIES #1
CATALOG+6	U3 P	12	UTILITIES #3
CBM 4032	U2 P	4	UTILITIES #2
CBM 4032 V2	U4 P	4	UTILITIES #4
CBM 4032 V2	U5 P	4	TPUG-UTILITIES 5
CBM 4032 V2.1	U6 P	4	TPUG-UTILITIES 6
CBM 4032 V2.1	X1 P	4	TPUG BEST-UTIL 1
CBM 8010	C1 P	6	TPUG-COMMUN 1
CBM 8010	E6 P	6	TPUG-CAEB 6
CBM.TO.MAE	A1 P	5	TPUG-ASSM 1
CENTRAL CONICS	E7 P	26	TPUG-CEAB 7
CHANGE DISK	U6 P	4	TPUG-UTILITIES 6
CHANGE DISK	X1 P	4	TPUG BEST-UTIL 1
CHANGE/LADR.BAS	U3 P	5	UTILITIES #3
CHAR.SET.DEFN	U6 P	13	TPUG-UTILITIES 6
CHASE/ROBOT	G4 P	10	TPUG-GAMES 1
CHECK DISK	V2 P	4	TPUG-VIC UTIL 1

Name	Code	Type	No.	Collection
CHECKERS	V1	P	12	TPUG-VIC GAME 1
CHECKERS 1	G4	P	12	TPUG-GAMES 1
CHECKERS 2	G4	P	10	TPUG-GAMES 1
CHECKERS.ALT	G6	P	25	TPUG-GAMES 3
CHEEP PRINT	U6	P	12	TPUG-UTILITIES 6
CHEM NOMINCLATUR	E6	P	12	TPUG-CAEB 6
CHEMIST	E9	P	11	TPUG-EDUCATION 9
CHEMISTRY CALC	E8	P	12	TPUG-EDUC 2
CHI SQUARE	N1	P	3	TPUG-MTH/SCI1
CHICK	E8	P	26	TPUG-EDUC 2
CHICK RESULTS	E8	P	24	TPUG-EDUC 2
CIRKELDEMO	V3	P	3	TPUG-VIC DEMO 1
CLOCK	Z2	P	2	TPUG-MISCELLAN 2
CLOCK 8032	Z2	P	2	TPUG-MISCELLAN 2
CLOSED-3	E3	P	5	TPUG-CEAB 2/3
CLOUZOT!	G5	P	21	TPUG-GAMES 2
CLUE	G5	P	23	TPUG-GAMES 2
COLOUR BARS	V3	P	1	TPUG-VIC DEMO 1
COMAL EXPLAIN	L1	P	31	TPUG-LANGUAGE 1
COMAL80	L1	P	106	TPUG-LANGUAGE 1
COMAL80+	L1	P	109	TPUG-LANGUAGE 1
COMALERRORS	L1	S	4	TPUG-LANGUAGE 1
COMBINATION WAR!	E9	P	33	TPUG-EDUCATION 9
COMBINATION WARS	E4	P	28	TPUG-CEAB 4
COMMODORE SYMBOL	V3	P	2	TPUG-VIC DEMO 1
COMMUNICATE TEST	C1	P	5	TPUG-COMMUN 1
COMPACTOR	U1	P	24	UTILITIES #1
COMPACTOR	X1	P	24	TPUG BEST-UTIL 1
COMPLEX NUMBERS	N2	P	9	TPUG-MTH/SCI2
COMPOSE	E6	P	18	TPUG-CAEB 6
CONCENTRATION	G5	P	24	TPUG-GAMES 2
CONCENTRATION.7	G3	P	24	TPUG-WRD/NUM1
CONCORD LANDER	GB	P	27	TPUG - GAMES 6
CONNECT 4	GA	P	27	TPUG - GAMES 5
CONTENTS	U3	P	14	UTILITIES #3
CONVERSIONS A	N3	P	45	TPUG-MATH/SCI 3
CONVERSIONS B	N3	P	43	TPUG-MATH/SCI 3
COPY ALL	S1	P	8	TPUG-MUSIC 1
COPY ALL	U1	P	8	UTILITIES #1
COPY ALL	U2	P	8	UTILITIES #2
COPY ALL	U3	P	8	UTILITIES #3
COPY ALL	U4	P	8	UTILITIES #4
COPY ALL	U5	P	8	TPUG-UTILITIES 5
COPY ALL	X1	P	8	TPUG BEST-UTIL 1
COPY DISK FILES	E4	P	10	TPUG-CEAB 4
COPY/ALL	U4	P	10	UTILITIES #4
COPY/ALL	U5	P	10	TPUG-UTILITIES 5
COPY/ALL	X1	P	10	TPUG BEST-UTIL 1
COPYCAT!SYS934	U1	P	1	UTILITIES #1
COPYCAT!SYS934	X1	P	1	TPUG BEST-UTIL 1
COPYCAT'SYS934	U1	P	1	UTILITIES #1
COPYCAT'SYS934	X1	P	1	TPUG BEST-UTIL 1
COPYDISK/SYS973	U1	P	1	UTILITIES #1
COPYPROG	U1	P	3	UTILITIES #1
CORESEND	C2	P	11	TPUG-COMMUNIC 2
CORRECTIONS	L1	P	13	TPUG-LANGUAGE 1
CRAPS.ODDS	G3	P	16	TPUG-WRD/NUM1
CRAZY 8'S	G8	P	16	TPUG-GAMES 4
CRITICAL PATH	B3	P	46	TPUG-BUSINESS 3
CRITICAL PATH 2A	N1	P	5	TPUG-MTH/SCI1
CROSS REF	U3	P	8	UTILITIES #3
CROSS WORD	GB	P	34	TPUG - GAMES 6
CROSS-REF	U1	P	7	UTILITIES #1
CROSS-REF	X1	P	7	TPUG BEST-UTIL 1
CROUT ALGORITHM	N1	P	5	TPUG-MTH/SCI1
CRUNCH	U3	P	11	UTILITIES #3
CRUNCH2	U3	P	11	UTILITIES #3
CRUNCH4.0	U3	P	11	UTILITIES #3
CRYPTARITHMETIC	N2	P	10	TPUG-MTH/SCI2
CRYPTO-BTTRFLD	G3	P	6	TPUG-WRD/NUM1
CRYPTOGRAM	E1	P	5	TPUG-EDUC 1
CURFIT-BTTRFLD	N1	P	8	TPUG-MTH/SCI1
CURRENCY.CONV	B1	P	6	TPUG-BUSNSS 1
CURVE-FIT	E3	P	30	TPUG-CEAB 2/3
CURVE-FIT 2	E3	P	22	TPUG-CEAB 2/3
CYCLE JMP 80 COL	GA	P	9	TPUG - GAMES 5
DAM BUSTERS	V1	P	12	TPUG-VIC GAME 1
DAMBUSTERS	G4	P	25	TPUG-GAMES 1
DANSE CAPRICE	S1	P	4	TPUG-MUSIC 1
DART	E2	P	14	TPUG-CEAB 1
DARTH.VADER.PIC	Z1	P	6	TPUG-MISC. 1
DATA WRITER	U6	P	3	TPUG-UTILITIES 6
DATA WRITER	X1	P	3	TPUG BEST-UTIL 1
DATA WRITER	X2	P	3	TPUG BEST-UTIL 2
DATABASE2.0/4.0	U6	P	15	TPUG-UTILITIES 6
DATAMAKER	U1	P	2	UTILITIES #1
DATES	E6	P	18	TPUG-CAEB 6
DATES-BTTRFLD	B1	P	7	TPUG-BUSNSS 1
DAY OF THE WEEK	B1	P	4	TPUG-BUSNSS 1
DDR	E5	P	13	TPUG-CEAB 5
DEC->FLOATING PT	U3	P	4	UTILITIES #3
DECIMALS	E7	P	17	TPUG-CEAB 7
DECISION.MAKER	B1	P	14	TPUG-BUSNSS 1
DEEPSPACE 1.0	G2	P	24	TPUG-SPACE 1
DEFINE PTR. CHAR	U3	P	8	UTILITIES #3
DEFLECTION	G4	P	9	TPUG-GAMES 1
DEFLECTION	V1	P	5	TPUG-VIC GAME 1
DELETE	L1	P	13	TPUG-LANGUAGE 1
DELETE ALL	U4	P	7	UTILITIES #4
DELETE ALL	U5	P	7	TPUG-UTILITIES 5
DELETE ALL	X1	P	7	TPUG BEST-UTIL 1
DELREC	L1	P	13	TPUG-LANGUAGE 1
DEMO	U1	P	20	UTILITIES #1
DEMO	V3	P	11	TPUG-VIC DEMO 1
DEMO	X1	P	20	TPUG BEST-UTIL 1
DEMO 8032	B1	P	71	TPUG-BUSNSS 1
DEMO SORT	N1	P	9	TPUG-MTH/SCI1
DEPRECIATE	E5	P	5	TPUG-CEAB 5
DEPTH CHARGE	G5	P	18	TPUG-GAMES 2
DEPTH CHARGE	V1	P	10	TPUG-VIC GAME 1
DERIVATIVE	N1	P	2	TPUG-MTH/SCI1
DESCENDERS/2022	U1	P	4	UTILITIES #1
DICE.PIG	G5	P	13	TPUG-GAMES 2
DIET	E5	P	18	TPUG-CEAB 5
DIR	V2	P	4	TPUG-VIC UTIL 1
DIR CATALOG	U4	P	14	UTILITIES #4
DIR CATALOG	U5	P	14	TPUG-UTILITIES 5
DIR LOADER 2.0	U4	P	18	UTILITIES #4
DIR LOADER 2.0	U5	P	18	TPUG-UTILITIES 5
DIR LOADER 4.0	U4	P	21	UTILITIES #4
DIR LOADER 4.0	U5	P	21	TPUG-UTILITIES 5
DIR MERGE	U4	P	6	UTILITIES #4
DIR MERGE	U5	P	6	TPUG-UTILITIES 5
DIR PRINT	U4	P	9	UTILITIES #4
DIR PRINT	U5	P	9	TPUG-UTILITIES 5
DIR UPDATE	U4	P	18	UTILITIES #4
DIR UPDATE	U5	P	18	TPUG-UTILITIES 5
DIR.ACCESS.S/R'S	U1	P	7	UTILITIES #1
DISASM	V2	P	11	TPUG-VIC UTIL 1
DISC MERGE/BASIC	U2	P	10	UTILITIES #2
DISK	L1	P	6	TPUG-LANGUAGE 1
DISK APPEND	U1	P	1	UTILITIES #1
DISK APPEND-M.B.	U1	P	7	UTILITIES #1
DISK APPEND-M.B.	X1	P	7	TPUG BEST-UTIL 1
DISK CHECK	U6	P	15	TPUG-UTILITIES 6
DISK CHECK	X1	P	15	TPUG BEST-UTIL 1
DISK DATA	E2	S	1	TPUG-CEAB 1
DISK DOCTOR	U3	P	14	UTILITIES #3
DISK DOCUMENTER	U3	P	9	UTILITIES #3
DISK FILE RECVRY	X1	P	39	TPUG BEST-UTIL 1
DISK ID CORRCTOR	U1	P	5	UTILITIES #1
DISK ID CORRCTOR	X1	P	5	TPUG BEST-UTIL 1
DISK LOGGER	U1	P	7	UTILITIES #1
DISK LOGGER	U2	P	9	UTILITIES #2
DISK MASTER V2	X1	P	30	TPUG BEST-UTIL 1
DISK MOD	U6	P	7	TPUG-UTILITIES 6
DISK MOD	X1	P	7	TPUG BEST-UTIL 1
DISK MOD/V1	U1	P	6	UTILITIES #1
DISK NAME (R)	U1	P	7	UTILITIES #1
DISK NAME (R)	X1	P	7	TPUG BEST-UTIL 1
DISK PEEK	U1	P	5	UTILITIES #1

DISK PEEK	X1 P	5	TPUG BEST-UTIL 1
DISK VIEW	U1 P	5	UTILITIES #1
DISK VIEW	U6 P	7	TPUG-UTILITIES 6
DISK VIEW	X1 P	7	TPUG BEST-UTIL 1
DISPLAY	E1 P	23	TPUG-EDUC 1
DISPLAY LETTERS	Z1 P	23	TPUG-MISC. 1
DISPLAY T&S	V2 P	14	TPUG-VIC UTIL 1
DIVISION	E7 P	17	TPUG-CEAB 7
DLOAD EASIER	U6 P	3	TPUG-UTILITIES 6
DOC-SCARDIAC 7B	E8 P	29	TPUG-EDUC 2
DOG BITE	E9 P	28	TPUG-EDUCATION 9
DOG.STAR.ADVEN	G1 P	71	TPUG-SIMLTN 1
DOMINOES	G5 P	19	TPUG-GAMES 2
DONUTS	E1 P	8	TPUG-EDUC 1
DOS.ASM	A1 P	30	TPUG-ASSM 1
DOT RACER	G6 P	14	TPUG-GAMES 3
DOUBLE	L1 P	2	TPUG-LANGUAGE 1
DRAG RACE 80 COL	GA P	15	TPUG - GAMES 5
DRAGON	V3 P	5	TPUG-VIC DEMO 1
DRAGON	Z1 P	10	TPUG-MISC. 1
DRAGON MAZE	V1 P	12	TPUG-VIC GAME 1
DRAGON.MAZE!	G5 P	21	TPUG-GAMES 2
DRAGSTER	GB P	12	TPUG - GAMES 6
DRAW.POKER	G5 P	23	TPUG-GAMES 2
DRIVING TEST	E4 P	27	TPUG-CEAB 4
DRM BREAKOUT	V1 P	7	TPUG-VIC GAME 1
DRUNKARD	E3 P	5	TPUG-CEAB 2/3
DUCKSHOOT	G4 P	14	TPUG-GAMES 1
DUELIN' BANJOS	S1 P	12	TPUG-MUSIC 1
DUM 3.2	E2 P	26	TPUG-CEAB 1
DUMP SEQ FILE	U1 P	2	UTILITIES #1
DUMP2	U2 P	1	UTILITIES #2
DUMP2/SYS826	X1 P	1	TPUG BEST-UTIL 1
DUMP4	U2 P	1	UTILITIES #2
DUMP4/SYS826	X1 P	1	TPUG BEST-UTIL 1
DUNGEON 1.4	G1 P	26	TPUG-SIMLTN 1
DUNGEON.ALT3	G1 P	22	TPUG-SIMLTN 1
DYNALOGIC	E6 P	30	TPUG-CAEB 6
DYNATEXT	B1 P	43	TPUG-BUSNSS 1
DYNATEXT.INS	B1 S	45	TPUG-BUSNSS 1
E-ROM DEMO	Z2 P	6	TPUG-MISCELLAN 2
E.G SET-UP 80COL	B1 P	12	TPUG-BUSNSS 1
E.G SET-UP 80COL	X6 P	12	TPUG BEST-MISC 1
EARTHQUAKE	E5 P	25	TPUG-CEAB 5
EASY ADD & SUBTR	E1 P	12	TPUG-EDUC 1
EASY EDIT	E5 P	16	TPUG-CEAB 5
EASY EDIT/C	U3 P	14	UTILITIES #3
EASY EDIT/C	X6 P	14	TPUG BEST-MISC 1
EASY EDIT/DISK	U3 P	16	UTILITIES #3
EASY EDIT/DISK	X6 P	16	TPUG BEST-MISC 1
EASY EDIT/MX-80	U6 P	18	TPUG-UTILITIES 6
EASY EDIT/MX-80	X6 P	18	TPUG BEST-MISC 1
EASY EDIT/TAPE	U3 P	15	UTILITIES #3
EASY EDIT/TAPE	X6 P	15	TPUG BEST-MISC 1
EASY.DUNGEON!	G2 P	25	TPUG-SPACE 1
EASY.EDIT.MX-82	U6 P	17	TPUG-UTILITIES 6
EASY.EDIT.MX-82	X6 P	17	TPUG BEST-MISC 1
ED-TERM	C1 P	30	TPUG-COMMUN 1
ED-TERM	C2 P	30	TPUG-COMMUNIC 2
EDU-TILITIES	E1 P	27	TPUG-EDUC 1
EDU-TILITIES	N1 P	27	TPUG-MTH/SCI1
ELEANOR RIGBY	S1 P	15	TPUG-MUSIC 1
ELECTRONICS.CALC	N1 P	15	TPUG-MTH/SCI1
ELEMENT DRILL	E4 P	13	TPUG-CEAB 4
ELEMENT QUIZZER	E9 P	21	TPUG-EDUCATION 9
ELEMENT QZ 80COL	E9 P	22	TPUG-EDUCATION 9
ELEPHANT	S1 P	16	TPUG-MUSIC 1
ELIZA	E1 P	24	TPUG-EDUC 1
ELIZA	G2 P	25	TPUG-SPACE 1
ENCHANTED HOUSE!	E9 P	81	TPUG-EDUCATION 9
ENGLISH GRAMMAR	E8 P	25	TPUG-EDUC 2
ENROLL	L1 P	12	TPUG-LANGUAGE 1
ENTERMARKS	L1 P	12	TPUG-LANGUAGE 1
ENZYMC	E5 P	10	TPUG-CEAB 5
EP4 SYS32000/1	U4 P	2	UTILITIES #4
EP4 SYS32000/1	U5 P	2	TPUG-UTILITIES 5
EP4 SYS32000/1	X1 P	2	TPUG BEST-UTIL 1
EP4XSYS32000/1	U4 P	3	UTILITIES #4
EP4XSYS32000/1	U5 P	3	TPUG-UTILITIES 5
EP4XSYS32000/1	X1 P	3	TPUG BEST-UTIL 1
EPROM.PRGM.ASM	A1 P	32	TPUG-ASSM 1
EPROM.PRGM.EXE	A1 P	3	TPUG-ASSM 1
EPROM.PRGM.INS	A1 P	6	TPUG-ASSM 1
ERIC ASSM	A4 P	25	TPUG-ASSM 4
ERIC ASSM	U2 P	25	UTILITIES #2
ERIC ASSM	U3 P	25	UTILITIES #3
ERIC ASSM	X2 P	25	TPUG BEST-UTIL 2
ESP	Z2 P	37	TPUG-MISCELLAN 2
ESPANA	S1 P	4	TPUG-MUSIC 1
ETCH-A-SKETCH	Z1 P	19	TPUG-MISC. 1
EUCLID	L1 P	3	TPUG-LANGUAGE 1
EUROPE	E1 P	10	TPUG-EDUC 1
EUROPEAN CAPITOL	E1 P	10	TPUG-EDUC 1
EXEC HELLO	U3 P	2	UTILITIES #3
EXMON.CT	A1 P	3	TPUG-ASSM 1
EXMON.M01	A1 P	8	TPUG-ASSM 1
EXMON.M02	A1 P	27	TPUG-ASSM 1
EXMON.M03	A1 P	14	TPUG-ASSM 1
EXMON.M04	A1 P	14	TPUG-ASSM 1
EXMON.M05	A1 P	13	TPUG-ASSM 1
EXMON.M06	A1 P	16	TPUG-ASSM 1
EXMON.M07	A1 P	12	TPUG-ASSM 1
EXMON.M08	A1 P	8	TPUG-ASSM 1
EXMON.M09	A1 P	8	TPUG-ASSM 1
EXMON.M0A	A1 P	6	TPUG-ASSM 1
EXPECTANCY	E3 P	18	TPUG-CEAB 2/3
EXPLORE-BTTRFLD	G1 P	22	TPUG-SIMLTN 1
EXTRA INSTR.	U3 P	36	UTILITIES #3
EXTRA INSTR.	U5 P	36	TPUG-UTILITIES 5
EXTRAMON INST	U1 P	33	UTILITIES #1
EXTRAMON.4.0B	U1 P	9	UTILITIES #1
EXTRAMON.4.0G	U1 P	9	UTILITIES #1
EXTRAMON.EXE9.0B	A1 P	9	TPUG-ASSM 1
EXTRAMON.EXE9.0G	A1 P	9	TPUG-ASSM 1
EXTRAMON.INS9.3	X2 P	33	TPUG BEST-UTIL 2
EXTRAMON2@$1000	X2 P	9	TPUG BEST-UTIL 2
EXTRAMON2@$7000	X2 P	9	TPUG BEST-UTIL 2
EXTRAMON4@$1000	X2 P	9	TPUG BEST-UTIL 2
EXTRAMON4@$7000	X2 P	9	TPUG BEST-UTIL 2
EXTRAMON9.3B	A2 P	8	TPUG-ASSM 2
EXTRAMON9.3G	A2 P	8	TPUG-ASSM 2
EXTRAMON9B(2)	U3 P	9	UTILITIES #3
EXTRAMON9B(2)	U5 P	9	TPUG-UTILITIES 5
EXTRAMON9B(4)	U3 P	9	UTILITIES #3
EXTRAMON9B(4)	U5 P	9	TPUG-UTILITIES 5
EXTRAMON9B@$1000	U1 P	9	UTILITIES #1
EXTRAMON9G(2)	U3 P	9	UTILITIES #3
EXTRAMON9G(2)	U5 P	9	TPUG-UTILITIES 5
EXTRAMON9G(4)	U3 P	9	UTILITIES #3
EXTRAMON9G(4)	U5 P	9	TPUG-UTILITIES 5
EXTRAMON9G@$1000	U1 P	9	UTILITIES #1
F16 WATAID 4	U6 P	17	TPUG-UTILITIES 6
F32 WATAID 4	U6 P	17	TPUG-UTILITIES 6
FACTOR RACE	E6 P	20	TPUG-CAEB 6
FACTORING DRILL	E7 P	25	TPUG-CEAB 7
FACTORING WHOLESE	7 P	18	TPUG-CEAB 7
FACTORS	E6 P	13	TPUG-CAEB 6
FACTORS-BTTRFLD	N1 P	4	TPUG-MTH/SCI1
FAMILY GENES	N3 P	34	TPUG-MATH/SCI 3
FAMOUS PHRASES	G3 P	13	TPUG-WRD/NUM1
FAST INVADRS 2.0	X3 P	29	TPUG BEST-GAME 1
FAST INVADRS 4.0	X4 P	29	TPUG BEST-GAME 2
FAST SKIP 2022	U3 P	4	UTILITIES #3
FAWLTY	G5 P	14	TPUG-GAMES 2
FEB 80	B1 S	1	TPUG-BUSNSS 1
FFT	E4 P	13	TPUG-CEAB 4
FIFO	E5 P	5	TPUG-CEAB 5
FILE MOVER	U4 P	4	UTILITIES #4
FILTER	N2 P	10	TPUG-MTH/SCI2
FINANCE	B3 P	25	TPUG-BUSINESS 3
FINANCIAL CALCS	B1 P	10	TPUG-BUSNSS 1

Name	Code		Pg	Collection
FIND.COLOR	G5	P	11	TPUG-GAMES 2
FINE-PLOT DEMO	Z2	P	4	TPUG-MISCELLAN 2
FIRING TANK	V1	P	11	TPUG-VIC GAME 1
FISHERY	E1	P	20	TPUG-EDUC 1
FISHERY	G1	P	20	TPUG-SIMLTN 1
FIXPERMUT	L1	P	2	TPUG-LANGUAGE 1
FLASH CARDS	E1	P	8	TPUG-EDUC 1
FLASHER	E7	P	22	TPUG-CEAB 7
FLIGHT SIMULATOR	E4	P	17	TPUG-CEAB 4
FLIGHT SIMULATOR	G4	P	17	TPUG-GAMES 1
FLOADER	U6	P	5	TPUG-UTILITIES 6
FLOPPY.DISPLAY	U1	P	26	UTILITIES #1
FOREST DRIVER	V1	P	7	TPUG-VIC GAME 1
FOREST FIRE	E4	P	12	TPUG-CEAB 4
FORMAT	B2	P	12	TPUG-BUSNSS 2
FORMAT	Z1	P	5	TPUG-MISC. 1
FORMS.CT	A3	P	8	TPUG-ASSM 3
FORMS.M1	A3	P	41	TPUG-ASSM 3
FORMS.M2	A3	P	39	TPUG-ASSM 3
FORWARD	L1	P	1	TPUG-LANGUAGE 1
FRACTION GAME2.0	E4	P	16	TPUG-CEAB 4
FRACTIONS	E1	P	6	TPUG-EDUC 1
FRACTIONS DRILL	E7	P	25	TPUG-CEAB 7
FRENCH	E1	P	10	TPUG-EDUC 1
FRENCH VERBS	E1	P	11	TPUG-EDUC 1
FRENCH VERBS FWC	E6	P	57	TPUG-CAEB 6
FREQ GENERATOR!	N2	P	25	TPUG-MTH/SCI2
FREQ.CTR.ASM	A1	P	2	TPUG-ASSM 1
FRERE JACQUES	V3	P	3	TPUG-VIC DEMO 1
FUGHETTA	S1	P	10	TPUG-MUSIC 1
FUNCTION GRAPH	E6	P	11	TPUG-CAEB 6
FUNCTION.MACHINE	N1	P	23	TPUG-MTH/SCI1
FWCI INTEGER TTT	E6	P	17	TPUG-CAEB 6
GAVOTTE&MUSETTE	S1	P	12	TPUG-MUSIC 1
GEIGER COUNTER	E2	P	11	TPUG-CEAB 1
GENERAL ANOVA	E5	P	17	TPUG-CEAB 5
GENERAL DEMO	V3	P	13	TPUG-VIC DEMO 1
GENERRORS-D	L1	P	7	TPUG-LANGUAGE 1
GENERRORS-E	L1	P	6	TPUG-LANGUAGE 1
GEOGRAPHY	E3	P	25	TPUG-CEAB 2/3
GLOBAL	E1	P	6	TPUG-EDUC 1
GLOBAL	N1	P	6	TPUG-MTH/SCI1
GO-MOKU	G4	P	14	TPUG-GAMES 1
GOLF	G6	P	20	TPUG-GAMES 3
GRADES	E4	P	9	TPUG-CEAB 4
GRAMMAR	E1	P	5	TPUG-EDUC 1
GRAND PRIX	V1	P	11	TPUG-VIC GAME 1
GRAPH PLOTTER	E4	P	5	TPUG-CEAB 4
GRAPH SNAPSHOT	E2	P	19	TPUG-CEAB 1
GRAPH SUBROUTINE	E2	P	5	TPUG-CEAB 1
GRAPH SUBS	U4	P	5	UTILITIES #4
GRAPH SUBS	Z2	P	5	TPUG-MISCELLAN 2
GRAPH.PRINTER	X6	P	12	TPUG BEST-MISC 1
GRAPH.PRINTER	Z1	P	12	TPUG-MISC. 1
GRAPHDEM0	V3	P	1	TPUG-VIC DEMO 1
GRAPHDEM1	V3	P	2	TPUG-VIC DEMO 1
GRAPHDEM3	V3	P	5	TPUG-VIC DEMO 1
GRAPHIC DEMO 1	V3	P	3	TPUG-VIC DEMO 1
GRAPHIC EDITOR	U6	P	10	TPUG-UTILITIES 6
GRAPHICS	U4	P	8	UTILITIES #4
GRAPHICS	Z2	P	8	TPUG-MISCELLAN 2
GRAPHICS+SOUND	V3	P	11	TPUG-VIC DEMO 1
GRAPHICS-DEMO	U2	P	22	UTILITIES #2
GRAPHICS-DEMO	X6	P	22	TPUG BEST-MISC 1
GRAPHICS-DEMO	Z1	P	22	TPUG-MISC. 1
GRAPHICS-LOADER	U2	P	21	UTILITIES #2
GRAPHICS-LOADER	X6	P	21	TPUG BEST-MISC 1
GRAPHICS-LOADER	Z1	P	21	TPUG-MISC. 1
GRAPHICS.DEMOS-G	N1	P	19	TPUG-MTH/SCI1
GRAPHIX INSTR	U2	P	17	UTILITIES #2
GRAPHIX INSTR	X6	P	17	TPUG BEST-MISC 1
GRAPHIX INSTR	Z1	P	17	TPUG-MISC. 1
GRAPHIX SORT	Z2	P	11	TPUG-MISCELLAN 2
GRAVITY TIMER	E2	P	12	TPUG-CEAB 1
GROWSTRING	L1	P	1	TPUG-LANGUAGE 1
GROWTH RATE	B1	P	10	TPUG-BUSNSS 1
GROWTH.CALC	B1	P	4	TPUG-BUSNSS 1
GRUNGY TOWERS	G5	P	20	TPUG-GAMES 2
GUESS IT	G3	P	14	TPUG-WRD/NUM1
GUNNER	G5	P	24	TPUG-GAMES 2
HAIKU 5	E1	P	13	TPUG-EDUC 1
HALLOWE'EN	Z1	P	28	TPUG-MISC. 1
HALLOWE'EN2	Z1	P	19	TPUG-MISC. 1
HAMMURABI	E3	P	9	TPUG-CEAB 2/3
HAMMURABI	G1	P	12	TPUG-SIMLTN 1
HAMURABI	G1	P	14	TPUG-SIMLTN 1
HANDIC DEMO3	V3	P	6	TPUG-VIC DEMO 1
HANG MATH	E4	P	9	TPUG-CEAB 4
HANGMAN	E1	P	11	TPUG-EDUC 1
HANGMAN	E2	P	25	TPUG-CEAB 1
HANGMAN	E3	P	12	TPUG-CEAB 2/3
HANGMAN	G3	P	27	TPUG-WRD/NUM1
HANGMAN 2	E1	P	27	TPUG-EDUC 1
HANGMAN 3.0	E4	P	24	TPUG-CEAB 4
HANGMAN 7	GB	P	19	TPUG – GAMES 6
HANGMAN(HJS)	E1	P	11	TPUG-EDUC 1
HANGMAN-2/PETS	G3	P	9	TPUG-WRD/NUM1
HANGMAN.ALT	G3	P	16	TPUG-WRD/NUM1
HANGMATH	G3	P	21	TPUG-WRD/NUM1
HANGMATH/O'H	E8	P	21	TPUG-EDUC 2
HANNIBAL	L1	P	7	TPUG-LANGUAGE 1
HARMONIC DISPLAY	E4	P	4	TPUG-CEAB 4
HEAPSORT DEMO	N1	P	6	TPUG-MTH/SCI1
HEART DRIVER	Z1	P	10	TPUG-MISC. 1
HEAT SOLVER 16K	E2	P	22	TPUG-CEAB 1
HEAT SOLVER 8K	E2	P	22	TPUG-CEAB 1
HELLO	E4	P	12	TPUG-CEAB 4
HELLO	U3	P	1	UTILITIES #3
HEX DEMO	E5	P	6	TPUG-CEAB 5
HI MEMORY106	U5	P	6	TPUG-UTILITIES 5
HI MEMORY106	X6	P	6	TPUG BEST-MISC 1
HI-RES CLOCK	V3	P	7	TPUG-VIC DEMO 1
HICALC	E3	P	23	TPUG-CEAB 2/3
HIDDEN.WORDS	E1	P	22	TPUG-EDUC 1
HIRES DEMO 1	V3	P	5	TPUG-VIC DEMO 1
HIRES PLOT	V3	P	3	TPUG-VIC DEMO 1
HIST	E3	P	4	TPUG-CEAB 2/3
HISTOGRAM	E1	P	4	TPUG-EDUC 1
HISTOGRAM	V2	P	4	TPUG-VIC UTIL 1
HOME.ACCOUNTS.IN	B1	P	20	TPUG-BUSNSS 1
HOME.ACCOUNTS.SU	B1	P	24	TPUG-BUSNSS 1
HORSE RACE	G4	P	19	TPUG-GAMES 1
HORSERACE	G6	P	23	TPUG-GAMES 3
HORSES	G6	P	12	TPUG-GAMES 3
HS.OF.7.GABLES	G7	P	47	TPUG-SIMLTN 2
HUNTER.SATELLITE	G2	P	13	TPUG-SPACE 1
HURKLE	G6	P	6	TPUG-GAMES 3
HURKLE!	E3	P	20	TPUG-CEAB 2/3
HYPO SIMULATOR	E2	P	17	TPUG-CEAB 1
IAN'S RACE (N)	G6	P	17	TPUG-GAMES 3
ICE CREAM PAR	E1	P	23	TPUG-EDUC 1
IEEE VIEW	U5	P	12	TPUG-UTILITIES 5
IEEE.LIB	A1	P	22	TPUG-ASSM 1
IFTEST	L1	P	1	TPUG-LANGUAGE 1
INS WATAID 4	U6	P	15	TPUG-UTILITIES 6
INS/DEL DEMO	U1	P	14	UTILITIES #1
INSIDE.DOS1&2	U3	P	6	UTILITIES #3
INSP. CLEW-SO	G4	P	22	TPUG-GAMES 1
INSTRUCTIONS	A4	P	9	TPUG-ASSM 4
INSTRUCTIONS	E7	P	22	TPUG-CEAB 7
INSTRUCTIONS#7	U5	P	13	TPUG-UTILITIES 5
INSTRUCTIONS#7	X6	P	13	TPUG BEST-MISC 1
INSULTER	Z2	P	30	TPUG-MISCELLAN 2
INTEGERS	E7	P	27	TPUG-CEAB 7
INTELCOM1	C1	P	4	TPUG-COMMUN 1
INTELCOM2	C1	P	4	TPUG-COMMUN 1
INTELCOM3	C1	P	4	TPUG-COMMUN 1
INTELCOM3	C2	P	4	TPUG-COMMUNIC 2
INTELCOM4	C1	P	5	TPUG-COMMUN 1
INTELCOM4	C2	P	5	TPUG-COMMUNIC 2

Name	Code		Num	Category		Name	Code		Num	Category
INTEREST	B2	P	25	TPUG-BUSNSS 2		LEARNING.AID7	A1	P	14	TPUG-ASSM 1
INTEREST	B3	P	27	TPUG-BUSINESS 3		LEAST SQUARES	N1	P	20	TPUG-MTH/SCI1
INTERMOD	N1	P	15	TPUG-MTH/SCI1		LEMONADE!	E9	P	30	TPUG-EDUCATION 9
INTRO. JACQUES	E5	P	2	TPUG-CEAB 5		LETTER SEQUENCES	E5	P	12	TPUG-CEAB 5
INTRO. SYLLABLES	E5	P	2	TPUG-CEAB 5		LETTER.15	G3	P	9	TPUG-WRD/NUM1
INTRO. TO PERCEN	E5	P	3	TPUG-CEAB 5		LIBRARY INST	U6	P	12	TPUG-UTILITIES 6
INVADERS	V1	P	10	TPUG-VIC GAME 1		LIFE	G1	P	11	TPUG-SIMLTN 1
INVADERS 2.0	X3	P	29	TPUG BEST-GAME 1		LIFE EXPECTANCY	E4	P	19	TPUG-CEAB 4
INVADERS 4.0	X4	P	29	TPUG BEST-GAME 2		LIFE EXPECTANCY	N1	P	19	TPUG-MTH/SCI1
INVENTION #11!	S1	P	6	TPUG-MUSIC 1		LIFE TABLES	E6	P	10	TPUG-CAEB 6
INVENTION #8!	S1	P	9	TPUG-MUSIC 1		LIFE WAR	G4	P	6	TPUG-GAMES 1
INVENTORY CONTRO	B3	P	11	TPUG-BUSINESS 3		LIFESTYLE	E4	P	23	TPUG-CEAB 4
INVESTMENT.ALT	B1	P	12	TPUG-BUSNSS 1		LIGHT SHOW	V3	P	1	TPUG-VIC DEMO 1
IRREG.CASH.FLOW	B1	P	25	TPUG-BUSNSS 1		LIMERICKS	E8	P	16	TPUG-EDUC 2
JACQUES A	E5	P	56	TPUG-CEAB 5		LIN-PRO	E4	P	7	TPUG-CEAB 4
JACQUES B	E5	P	55	TPUG-CEAB 5		LINEAR SYSTEMS	E7	P	25	TPUG-CEAB 7
JAN 80	B1	S	1	TPUG-BUSNSS 1		LISSAJOUS	E3	P	4	TPUG-CEAB 2/3
JEM SYS4111%	U3	P	24	UTILITIES #3		LIST DUPLICATES	U3	P	12	UTILITIES #3
JEM.INS	U3	P	40	UTILITIES #3		LIST GP2	U1	P	2	UTILITIES #1
JINGLE BELLS!	S1	P	4	TPUG-MUSIC 1		LIST LP2	U1	P	2	UTILITIES #1
JOHN GRAPH	E2	P	5	TPUG-CEAB 1		LIST LP2X	U1	P	3	UTILITIES #1
JOPLIN MUSIC	S1	P	7	TPUG-MUSIC 1		LIST LP4	U1	P	2	UTILITIES #1
JOTTO	E4	P	17	TPUG-CEAB 4		LIST LT2	U1	P	2	UTILITIES #1
JOTTO-BTTRFLD	G3	P	7	TPUG-WRD/NUM1		LIST LT2X	U1	P	3	UTILITIES #1
JOURNAL	B2	P	12	TPUG-BUSNSS 2		LISTENER	E4	P	10	TPUG-CEAB 4
JOYSTICK INV 2.0	X3	P	29	TPUG BEST-GAME 1		LISTENER	N1	P	10	TPUG-MTH/SCI1
JOYSTICK INV 4.0	X4	P	29	TPUG BEST-GAME 2		LISTER	U2	P	6	UTILITIES #2
JOYSTICK.CRSRS	U1	P	7	UTILITIES #1		LITTLEMON+.CT	A4	P	8	TPUG-ASSM 4
JOYSTICK.CTLR.	U1	P	18	UTILITIES #1		LITTLEMON.ASM	A3	P	17	TPUG-ASSM 3
JULIAN CALENDER	E4	P	6	TPUG-CEAB 4		LITTLEMON.INS.WP	U3	P	11	UTILITIES #3
JULIAN CALENDER	Z1	P	6	TPUG-MISC. 1		LITTLEMON.M01	A4	P	19	TPUG-ASSM 4
JUMBO JET LANDER	GB	P	24	TPUG - GAMES 6		LOAN.ALT	B1	P	15	TPUG-BUSNSS 1
JUMP2	A3	P	6	TPUG-ASSM 3		LOCAL VAR	L1	P	1	TPUG-LANGUAGE 1
JUMPTABLE	A3	P	6	TPUG-ASSM 3		LOCKDISK	U6	P	8	TPUG-UTILITIES 6
KALEIDOSCOOP	V3	P	3	TPUG-VIC DEMO 1		LOCKDISK	X1	P	8	TPUG BEST-UTIL 1
KALEIDOSCOPE	V3	P	4	TPUG-VIC DEMO 1		LOCKEY	E5	P	16	TPUG-CEAB 5
KALEIDOSCOPE	Z1	P	3	TPUG-MISC. 1		LOCKSMITH	U2	P	8	UTILITIES #2
KENO	G3	P	26	TPUG-WRD/NUM1		LOG & LOGO	V3	P	3	TPUG-VIC DEMO 1
KENTUCKY DERBY	G4	P	14	TPUG-GAMES 1		LONG DIVISION	E4	P	7	TPUG-CEAB 4
KEY.PRINT3&4.ASM	A3	P	14	TPUG-ASSM 3		LONG DIVISION	V1	P	6	TPUG-VIC GAME 1
KEYBOARD DEMO	V3	P	6	TPUG-VIC DEMO 1		LORDS OF KARMA	X5	P	125	TPUG BEST-GAME 3
KEYMAKE	U1	P	4	UTILITIES #1		LOST DUTCH GOLD	G7	P	50	TPUG-SIMLTN 2
KEYPRINT/826	U1	P	1	UTILITIES #1		LOVE	Z1	P	7	TPUG-MISC. 1
KEYPRINT2	U2	P	1	UTILITIES #2		LOW CASE LIST	U1	P	1	UTILITIES #1
KEYPRINT2@826	X1	P	1	TPUG BEST-UTIL 1		LOWCASE LIST V3	X1	P	9	TPUG BEST-UTIL 1
KEYPRINT4@826	U2	P	1	UTILITIES #2		LOWER CASE LIST	U2	P	8	UTILITIES #2
KEYPRINT4@826	X1	P	1	TPUG BEST-UTIL 1		LP:NEW ROM MUSIC	S1	P	12	TPUG-MUSIC 1
KEYS	L1	S	1	TPUG-LANGUAGE 1		LUMP-SUM INV 82	B3	P	38	TPUG-BUSINESS 3
KEYSORT.ASM	A1	P	52	TPUG-ASSM 1		LUNAR LANDER	V1	P	8	TPUG-VIC GAME 1
KEYSORT.DEMO1	U1	P	3	UTILITIES #1		LUNAR LANDER 1	G2	P	11	TPUG-SPACE 1
KEYSORT.DEMO2	U1	P	6	UTILITIES #1		LUNAR LANDER-BFDG	2	P	9	TPUG-SPACE 1
KEYSORT.EXE16/32	U1	P	4	UTILITIES #1		M.B.INSTRUCTIONS	G5	P	15	TPUG-GAMES 2
KEYSORT.EXE8K	U1	P	4	UTILITIES #1		MAANLANDER	V1	P	9	TPUG-VIC GAME 1
KEYSORT2&1C54	U1	P	4	UTILITIES #1		MADMAN.RACE	G5	P	23	TPUG-GAMES 2
KEYSORT2&7454	U1	P	4	UTILITIES #1		MAE.PAT.ASM	A1	P	5	TPUG-ASSM 1
KEYSORT2-1DEMO	U1	P	1	UTILITIES #1		MAE.TO.CBM	A1	P	3	TPUG-ASSM 1
KEYSORT2-2DEMO	U1	P	5	UTILITIES #1		MAE/DOS	A1	P	7	TPUG-ASSM 1
KILLER BUNNIES	G5	P	29	TPUG-GAMES 2		MAE/DOS	A2	P	7	TPUG-ASSM 2
KILLER COMET	V1	P	4	TPUG-VIC GAME 1		MAE/DOS FOR 4.0	U1	P	7	UTILITIES #1
KINETIC ART	V3	P	5	TPUG-VIC DEMO 1		MAE/DOS.ASM	A1	P	41	TPUG-ASSM 1
KING.TUT	G9	P	60	TPUG-SIMLTN 3		MAGIC.SQUARE	G3	P	9	TPUG-WRD/NUM1
KINGDOM/PICS	G1	P	27	TPUG-SIMLTN 1		MAIL BACKUP	B2	S	10	TPUG-BUSNSS 2
KLINGON CAPTURE	G2	P	25	TPUG-SPACE 1		MAIL LIST 2.0	B2	P	20	TPUG-BUSNSS 2
KNIGHT.TOUR.SOL	G6	P	19	TPUG-GAMES 3		MAIL LIST 4.1	B2	P	23	TPUG-BUSNSS 2
KUSTOM KEY	U4	P	3	UTILITIES #4		MAIL LIST 4040	B2	P	23	TPUG-BUSNSS 2
L.C.LISTER.ASM	A1	P	16	TPUG-ASSM 1		MAIL LIST 4040	X6	P	23	TPUG BEST-MISC 1
L.C.LISTER.ASM	A3	P	16	TPUG-ASSM 3		MAIL LIST 8050	B2	P	23	TPUG-BUSNSS 2
LABYRINTH	G4	P	52	TPUG-GAMES 1		MAIL LIST 8050	X6	P	23	TPUG BEST-MISC 1
LAT+LON.DISTANCE	N1	P	6	TPUG-MTH/SCI1		MAR 80	B1	S	1	TPUG-BUSNSS 1
LC LISTER INST	U3	P	3	UTILITIES #3		MARBLESTAT	E4	P	13	TPUG-CEAB 4
LEARNING.AID1	A1	P	27	TPUG-ASSM 1		MARCH IN D!	S1	P	5	TPUG-MUSIC 1
LEARNING.AID2	A1	P	20	TPUG-ASSM 1		MARCH6	U6	P	8	TPUG-UTILITIES 6
LEARNING.AID3	A1	P	9	TPUG-ASSM 1		MARCHE MILITAIRE	S1	P	11	TPUG-MUSIC 1
LEARNING.AID4	A1	P	10	TPUG-ASSM 1		MARKET NEW	E9	P	22	TPUG-EDUCATION 9
LEARNING.AID5	A1	P	24	TPUG-ASSM 1		MARKS(GRADING AI	E4	P	8	TPUG-CEAB 4
LEARNING.AID6	A1	P	10	TPUG-ASSM 1		MARKS-BTTRFLD	B1	P	8	TPUG-BUSNSS 1

MARTIAN.HUNT	E8 P	26	TPUG-EDUC 2
MASTER+6	U3 P	11	UTILITIES #3
MASTER+6d	U3 P	13	UTILITIES #3
MASTERMIND	G3 P	23	TPUG-WRD/NUM1
MASTERMIND	V1 P	12	TPUG-VIC GAME 1
MASTERMIND	X3 P	23	TPUG BEST-GAME 1
MASTERMIND	X4 P	23	TPUG BEST-GAME 2
MAT 250 MLA	E7 P	18	TPUG-CEAB 7
MATH DICE	E1 P	7	TPUG-EDUC 1
MATH IQ	E1 P	26	TPUG-EDUC 1
MATH IQ	E8 P	26	TPUG-EDUC 2
MATH IQ	G3 P	26	TPUG-WRD/NUM1
MATH QUIZ V2	E9 P	20	TPUG-EDUCATION 9
MATH TEST-BTTRFL	N1 P	9	TPUG-MTH/SCI1
MATH TUTOR	E1 P	13	TPUG-EDUC 1
MATH.QUIZ	E1 P	13	TPUG-EDUC 1
MATRIX SOLUTION	E2 P	18	TPUG-CEAB 1
MAX01	L1 P	4	TPUG-LANGUAGE 1
MAY 80	B1 S	2	TPUG-BUSNSS 1
MAZE	Z1 P	1	TPUG-MISC. 1
MEAN 14/PET.ASM	A3 P	12	TPUG-ASSM 3
MECHANICS	E7 P	21	TPUG-CEAB 7
MELODY CHANGES	E8 P	17	TPUG-EDUC 2
MELODY CHANGES	Z1 P	17	TPUG-MISC. 1
MEMO CALENDAR	Z1 P	37	TPUG-MISC. 1
MEMOCAL 2.2	Z2 P	41	TPUG-MISCELLAN 2
MEMORY	V1 P	9	TPUG-VIC GAME 1
MEMORY CALENDAR2	Z1 P	27	TPUG-MISC. 1
MEMORY MONITOR	Z1 P	16	TPUG-MISC. 1
MEMSEE.DEMO	U6 P	15	TPUG-UTILITIES 6
MENU	B2 P	3	TPUG-BUSNSS 2
MERGE 4.0	U5 P	1	TPUG-UTILITIES 5
MERGE 4.0 INST	U5 P	3	TPUG-UTILITIES 5
MERRY VIC-MAS	V3 P	6	TPUG-VIC DEMO 1
METCONV	E3 P	13	TPUG-CEAB 2/3
METRIC	E2 P	11	TPUG-CEAB 1
METRIC CONVER'N	E4 P	7	TPUG-CEAB 4
METRIC CONVER'N	N1 P	7	TPUG-MTH/SCI1
METRIC TEACHER	N1 P	12	TPUG-MTH/SCI1
METRIC-BTTRFLD	N1 P	6	TPUG-MTH/SCI1
MIAUW	V3 P	5	TPUG-VIC DEMO 1
MICMON4B9@1	U2 P	17	UTILITIES #2
MICMON4B@4096	U2 P	17	UTILITIES #2
MICROMATH DEMO	E2 P	46	TPUG-CEAB 1
MICROMON++@$5B00	U6 P	22	TPUG-UTILITIES 6
MICROMON++@$5B00	X2 P	22	TPUG BEST-UTIL 2
MICROMON.ADD	U6 P	31	TPUG-UTILITIES 6
MICROMON.ADD	X2 P	31	TPUG BEST-UTIL 2
MICROMON.CT+	A5 P	2	TPUG-ASSEMBLER 5
MICROMON.CTB	A3 P	2	TPUG-ASSM 3
MICROMON.CTC	A5 P	2	TPUG-ASSEMBLER 5
MICROMON.INS	U2 P	27	UTILITIES #2
MICROMON.INS1	U6 P	29	TPUG-UTILITIES 6
MICROMON.INS1	X2 P	29	TPUG BEST-UTIL 2
MICROMON.INS2	U6 P	42	TPUG-UTILITIES 6
MICROMON.INS2	X2 P	42	TPUG BEST-UTIL 2
MICROMON.M01	A3 P	4	TPUG-ASSM 3
MICROMON.M01	A5 P	4	TPUG-ASSEMBLER 5
MICROMON.M01+	A5 P	12	TPUG-ASSEMBLER 5
MICROMON.M02+	A5 P	19	TPUG-ASSEMBLER 5
MICROMON.M02B	A3 P	25	TPUG-ASSM 3
MICROMON.M02B	A5 P	25	TPUG-ASSEMBLER 5
MICROMON.M03	A3 P	15	TPUG-ASSM 3
MICROMON.M03	A5 P	15	TPUG-ASSEMBLER 5
MICROMON.M03+	A5 P	24	TPUG-ASSEMBLER 5
MICROMON.M04	A3 P	14	TPUG-ASSM 3
MICROMON.M04	A5 P	14	TPUG-ASSEMBLER 5
MICROMON.M04+	A5 P	3	TPUG-ASSEMBLER 5
MICROMON.M05	A3 P	12	TPUG-ASSM 3
MICROMON.M05B	A5 P	12	TPUG-ASSEMBLER 5
MICROMON.M06	A3 P	16	TPUG-ASSM 3
MICROMON.M06	A5 P	16	TPUG-ASSEMBLER 5
MICROMON.M07A	A3 P	15	TPUG-ASSM 3
MICROMON.M07A	A5 P	15	TPUG-ASSEMBLER 5
MICROMON.M08A	A3 P	10	TPUG-ASSM 3
MICROMON.M08A	A5 P	10	TPUG-ASSEMBLER 5

MICROMON.M09	A3 P	21	TPUG-ASSM 3
MICROMON.M09.5	A5 P	24	TPUG-ASSEMBLER 5
MICROMON.M09B	A5 P	22	TPUG-ASSEMBLER 5
MICROMON.M10	A3 P	18	TPUG-ASSM 3
MICROMON.M10.5B	A3 P	2	TPUG-ASSM 3
MICROMON.M10B	A5 P	19	TPUG-ASSEMBLER 5
MICROMON.M11B	A3 P	9	TPUG-ASSM 3
MICROMON.M11B	A5 P	11	TPUG-ASSEMBLER 5
MICROMON80@$1000	U5 P	17	TPUG-UTILITIES 5
MICROMON80@$7000	U5 P	17	TPUG-UTILITIES 5
MICROMON@$1000	U5 P	17	TPUG-UTILITIES 5
MICROMON@$7000	U5 P	17	TPUG-UTILITIES 5
MICROMON@4096	U2 P	14	UTILITIES #2
MICROMONB.INS+	U3 P	31	UTILITIES #3
MICROMONB@$1	U3 P	14	UTILITIES #3
MICROMONC@$1000	U6 P	17	TPUG-UTILITIES 6
MICROMONC@$1000	X2 P	17	TPUG BEST-UTIL 2
MICROMONC@$7000	U6 P	17	TPUG-UTILITIES 6
MICROMONC@$7000	X2 P	17	TPUG BEST-UTIL 2
MICROSCOPY	E5 P	47	TPUG-CEAB 5
MILEAGE-BTTRFLD	B1 P	5	TPUG-BUSNSS 1
MILLE BOURNE	G5 P	25	TPUG-GAMES 2
MINI-COMPILER	A2 P	23	TPUG-ASSM 2
MINI-COMPILER	U2 P	23	UTILITIES #2
MINIWORDPRO	B3 P	12	TPUG-BUSINESS 3
MINUET IN G	S1 P	4	TPUG-MUSIC 1
MINUTE WALTZ	S1 P	8	TPUG-MUSIC 1
MISSING NUMBER	E1 P	7	TPUG-EDUC 1
MISSION IMP	G8 P	24	TPUG-GAMES 4
MISSION IMP 2.0	X3 P	24	TPUG BEST-GAME 1
MISSION IMP 4.0	X4 P	24	TPUG BEST-GAME 2
MLA--ARITHMETIC	E7 P	19	TPUG-CEAB 7
MLMACROS.MLIB	A1 P	14	TPUG-ASSM 1
MLOADER	U6 P	2	TPUG-UTILITIES 6
MM1.1 sHERIDAN	E2 P	28	TPUG-CEAB 1
MM16.1	E2 P	26	TPUG-CEAB 1
MODEM LOG	C1 P	5	TPUG-COMMUN 1
MONOPOLY	G8 P	93	TPUG-GAMES 4
MONOPOLY	GA P	51	TPUG - GAMES 5
MOONLANDER	V1 P	9	TPUG-VIC GAME 1
MORSE	V3 P	10	TPUG-VIC DEMO 1
MORSE CODE	E4 P	6	TPUG-CEAB 4
MORSE DECODER	E4 P	12	TPUG-CEAB 4
MORSE TUTOR	C1 P	14	TPUG-COMMUN 1
MORSE-BTTRFLD	C1 P	4	TPUG-COMMUN 1
MORT CALC	B3 P	6	TPUG-BUSINESS 3
MORT SCHED	B3 P	7	TPUG-BUSINESS 3
MORTGAGE	B3 P	7	TPUG-BUSINESS 3
MORTGAGE PRINTER	E4 P	9	TPUG-CEAB 4
MORTGAGE-BTTRFLD	B1 P	7	TPUG-BUSNSS 1
MOSAIC	V3 P	6	TPUG-VIC DEMO 1
MOTORCYCLE	G4 P	10	TPUG-GAMES 1
MOUSEMAZE	G5 P	13	TPUG-GAMES 2
MOVMAZE1	G5 P	6	TPUG-GAMES 2
MOVMAZE2	G5 P	8	TPUG-GAMES 2
MOVMAZE2	X3 P	8	TPUG BEST-GAME 1
MOVMAZE2	X4 P	8	TPUG BEST-GAME 2
MPAK	E9 P	9	TPUG-EDUCATION 9
MUGWUMP	G6 P	23	TPUG-GAMES 3
MUKADE	V1 P	7	TPUG-VIC GAME 1
MULT DRILL	E8 P	26	TPUG-EDUC 2
MULTIPLOT	E3 P	10	TPUG-CEAB 2/3
MUSIC BOX DANCER	S1 P	5	TPUG-MUSIC 1
MUSIC.ASM	A4 P	4	TPUG-ASSM 4
MUSIC/OLD ROM	S1 P	12	TPUG-MUSIC 1
MX-82CHAR.DEFN	U6 P	12	TPUG-UTILITIES 6
MX82.PET.PRNT	U6 P	39	TPUG-UTILITIES 6
MXCL	U3 P	5	UTILITIES #3
MXCL.SRCE	A3 P	22	TPUG-ASSM 3
MYSTERY-BUTTRFLD	Z1 P	2	TPUG-MISC. 1
N1 COINS EXERCIS	E9 P	45	TPUG-EDUCATION 9
NATAL CHART	N1 P	64	TPUG-MTH/SCI1
NECCL	U3 P	5	UTILITIES #3
NECCL.SRCE	A3 P	21	TPUG-ASSM 3
NET1	N2 P	21	TPUG-MTH/SCI2

NEW LOTTARIO	Z2 P	4	TPUG-MISCELLAN 2
NEW ROM WARLORDS	G7 P	22	TPUG-SIMLTN 2
NEW WARLORDS INS	G7 P	25	TPUG-SIMLTN 2
NEW WATER	G7 P	27	TPUG-SIMLTN 2
NEWTONS ZERO	N1 P	3	TPUG-MTH/SCI1
NICE TRIG RATIOS	E7 P	19	TPUG-CEAB 7
NICHE	G7 P	25	TPUG-SIMLTN 2
NICHE NEW	E9 P	25	TPUG-EDUCATION 9
NIGHT DRIVER 2.0	X3 P	21	TPUG BEST-GAME 1
NIGHT DRIVER 4.0	X4 P	21	TPUG BEST-GAME 2
NIGHTMARE	Z1 P	2	TPUG-MISC. 1
NIM-BUTTRFLD	G3 P	5	TPUG-WRD/NUM1
NO	E1 P	9	TPUG-EDUC 1
NOT.SO.EASY	E1 P	11	TPUG-EDUC 1
NUMINT	E3 P	8	TPUG-CEAB 2/3
NYKLUB	L1 P	5	TPUG-LANGUAGE 1
NYLISTMEDL	L1 P	8	TPUG-LANGUAGE 1
NYOPRET	L1 P	15	TPUG-LANGUAGE 1
NYRETTE	L1 P	14	TPUG-LANGUAGE 1
NYSLETMEDL	L1 P	11	TPUG-LANGUAGE 1
NYVISMEDL	L1 P	9	TPUG-LANGUAGE 1
OHARE'S #1	G9 P	67	TPUG-SIMLTN 3
OHARE'S #2	G9 P	66	TPUG-SIMLTN 3
OHARE'S #3	G9 P	86	TPUG-SIMLTN 3
OHARE'S #3	X5 P	86	TPUG BEST-GAME 3
OHMS LAW	N1 P	17	TPUG-MTH/SCI1
OLD ROM WARLORDS	G7 P	22	TPUG-SIMLTN 2
OLD WARLORDS INS	G7 P	25	TPUG-SIMLTN 2
OLSENMAIN	L1 P	3	TPUG-LANGUAGE 1
ONELINE SQUIGGLE	Z1 P	3	TPUG-MISC. 1
OPERATIONS	E9 P	24	TPUG-EDUCATION 9
OPTICAL ILLUSION	E4 P	8	TPUG-CEAB 4
OSC LUNAR	G2 P	27	TPUG-SPACE 1
OSC LUNAR	X3 P	27	TPUG BEST-GAME 1
OSC LUNAR	X4 P	27	TPUG BEST-GAME 2
OSERO	G5 P	20	TPUG-GAMES 2
OTHELINSTR	L1 P	6	TPUG-LANGUAGE 1
OTHELLO	G4 P	25	TPUG-GAMES 1
OTHELLO	G5 P	29	TPUG-GAMES 2
OTHELLO	L1 P	17	TPUG-LANGUAGE 1
OTHELLO	V1 P	11	TPUG-VIC GAME 1
OTHELLO	X3 P	29	TPUG BEST-GAME 1
OTHELLO	X4 P	29	TPUG BEST-GAME 2
PAGE1 EZE EDIT	U3 S	9	UTILITIES #3
PAGE1 EZE EDIT	X6 S	9	TPUG BEST-MISC 1
PAGE2 EZE EDIT	U3 S	9	UTILITIES #3
PAGE2 EZE EDIT	X6 S	9	TPUG BEST-MISC 1
PAGE3 EZE EDIT	U3 S	9	UTILITIES #3
PAGE3 EZE EDIT	X6 S	9	TPUG BEST-MISC 1
PAGE4 EZE EDIT	U3 S	10	UTILITIES #3
PAGE4 EZE EDIT	X6 S	10	TPUG BEST-MISC 1
PAGE5 EZE EDIT	U3 S	10	UTILITIES #3
PAGE5 EZE EDIT	X6 S	10	TPUG BEST-MISC 1
PAGE6 EZE EDIT	U3 S	7	UTILITIES #3
PAGE6 EZE EDIT	X6 S	7	TPUG BEST-MISC 1
PAK JANA	E9 P	21	TPUG-EDUCATION 9
PALINDROME	S1 P	7	TPUG-MUSIC 1
PALKO'S AUDIT	E6 P	24	TPUG-CAEB 6
PATTERN MAKER	Z1 P	4	TPUG-MISC. 1
PATTERNS	Z1 P	2	TPUG-MISC. 1
PC.NET.MODEM	C1 P	23	TPUG-COMMUN 1
PEARL HARBOR	Z2 P	19	TPUG-MISCELLAN 2
PEOPLE	Z1 P	6	TPUG-MISC. 1
PERCENT	E5 P	20	TPUG-CEAB 5
PERFORMANCE TEST	V2 P	9	TPUG-VIC UTIL 1
PET CHARACTERS	Z1 P	2	TPUG-MISC. 1
PET NUC PWR PLNT	GA P	60	TPUG - GAMES 5
PET PCNET	C2 P	23	TPUG-COMMUNIC 2
PET.LIB	A1 P	15	TPUG-ASSM 1
PET16.ASM	A1 P	16	TPUG-ASSM 1
PET16.MAC	A1 P	9	TPUG-ASSM 1
PETALS ARND ROSE	G4 P	17	TPUG-GAMES 1
PETCOM	C2 P	31	TPUG-COMMUNIC 2
PETMAN 5	GA P	23	TPUG - GAMES 5
PETMAN 5	X3 P	23	TPUG BEST-GAME 1

PETMAN 5	X4 P	23	TPUG BEST-GAME 2
PETS	E1 P	15	TPUG-EDUC 1
PETSONG	S1 P	13	TPUG-MUSIC 1
PETSONG 1	S1 P	13	TPUG-MUSIC 1
PETSONG 2	S1 P	10	TPUG-MUSIC 1
PETSONG-BACH	S1 P	17	TPUG-MUSIC 1
PGMR.UNIV.ASM	A2 P	41	TPUG-ASSM 2
PGMR.UNIV.ASM	A3 P	41	TPUG-ASSM 3
PGMR4.0.EXE	A2 P	3	TPUG-ASSM 2
PGR05	L1 P	3	TPUG-LANGUAGE 1
PHONE SOUNDS	Z2 P	4	TPUG-MISCELLAN 2
PHOSYN	E5 P	17	TPUG-CEAB 5
PHUZZY & WHUZZY	Z1 P	27	TPUG-MISC. 1
PHYSIOLOGIC WT	N2 P	14	TPUG-MTH/SCI2
PI DEMO 8032	Z2 P	1	TPUG-MISCELLAN 2
PI HUNT	GA P	17	TPUG - GAMES 5
PI.CALCULATOR	E8 P	9	TPUG-EDUC 2
PIANO	V3 P	8	TPUG-VIC DEMO 1
PICTURES	E8 P	22	TPUG-EDUC 2
PIGS	G3 P	4	TPUG-WRD/NUM1
PINBALL	G4 P	24	TPUG-GAMES 1
PINBALL	GA P	24	TPUG - GAMES 5
PINBALL	V1 P	11	TPUG-VIC GAME 1
PINBALL	X4 P	24	TPUG BEST-GAME 2
PING PONG	V1 P	10	TPUG-VIC GAME 1
PIRATE ADVENTURE	GA P	69	TPUG - GAMES 5
PISTOLEN PAULTJE	V1 P	6	TPUG-VIC GAME 1
PLANES	E7 P	19	TPUG-CEAB 7
PLANET POSITION3	N1 P	69	TPUG-MTH/SCI1
PLANET.PROBE	G2 P	17	TPUG-SPACE 1
PLANETS	N3 P	69	TPUG-MATH/SCI 3
PLEURAL EFFUSION	N2 P	13	TPUG-MTH/SCI2
PLOTTING	N1 P	9	TPUG-MTH/SCI1
POGO V7	E8 P	22	TPUG-EDUC 2
POGO.INS.WP	E8 P	44	TPUG-EDUC 2
POINTS	E3 P	25	TPUG-CEAB 2/3
POKER-PUNTER	G4 P	25	TPUG-GAMES 1
POLAR	E3 P	10	TPUG-CEAB 2/3
POLICY	E3 P	26	TPUG-CEAB 2/3
POLIFIY	E4 P	11	TPUG-CEAB 4
POLIFIY	N1 P	2	TPUG-MTH/SCI1
POLLUTION	E2 P	25	TPUG-CEAB 1
POLONAISE IN BFL	S1 P	4	TPUG-MUSIC 1
POLUT	E3 P	25	TPUG-CEAB 2/3
POLUT	G1 P	25	TPUG-SIMLTN 1
PONG	G6 P	6	TPUG-GAMES 3
POP	E3 P	25	TPUG-CEAB 2/3
POP SHOT	G6 P	9	TPUG-GAMES 3
PORT.DISPLAY	U1 P	11	UTILITIES #1
PORTFOLIO-BTRFLD	B1 P	12	TPUG-BUSNSS 1
POWAID2.RUN	U6 P	10	TPUG-UTILITIES 6
POWAID4.RUN	U6 P	10	TPUG-UTILITIES 6
POWER INSTRUCT	G1 P	21	TPUG-SIMLTN 1
POWER MOD	U5 P	2	TPUG-UTILITIES 5
POWER SIMULATION	G1 P	22	TPUG-SIMLTN 1
POWER SUPPLY	N2 P	22	TPUG-MTH/SCI2
POWERS & ROOTS	E7 P	21	TPUG-CEAB 7
PREL & FUGUE #2	S1 P	15	TPUG-MUSIC 1
PRESSURE CURVE	N1 P	9	TPUG-MTH/SCI1
PRICE.LIST	B1 P	8	TPUG-BUSNSS 1
PRIME NUMBER 16K	E2 P	3	TPUG-CEAB 1
PRIMES	E4 P	2	TPUG-CEAB 4
PRINT	B2 P	29	TPUG-BUSNSS 2
PRINT EDIT INFO	U6 P	8	TPUG-UTILITIES 6
PRINT TIME.ASM	A3 P	5	TPUG-ASSM 3
PRINT USING	U1 P	2	UTILITIES #1
PRINTOUT	L1 P	12	TPUG-LANGUAGE 1
PRO FOOTBALL	G4 P	27	TPUG-GAMES 1
PROBABILITY MACH	E3 P	8	TPUG-CEAB 2/3
PROGRAMBLE CHAR	V2 P	7	TPUG-VIC UTIL 1
PROGRAMMER RPN	E4 P	17	TPUG-CEAB 4
PROGRAMMER RPN	N1 P	17	TPUG-MTH/SCI1
PROJ-PLOT	E3 P	12	TPUG-CEAB 2/3
PUZZLE.BOX	E8 P	21	TPUG-EDUC 2
PUZZLE.ENTER	E8 P	27	TPUG-EDUC 2
Q'S & Z'S	E1 P	14	TPUG-EDUC 1

QUADRA-PET	U3 P	3	UTILITIES #3
QUADRATIC	E4 P	3	TPUG-CEAB 4
QUADRATIC	N1 P	2	TPUG-MTH/SCI1
QUAL INORG ANALY	E9 P	21	TPUG-EDUCATION 9
QUANDRY	G5 P	25	TPUG-GAMES 2
QUARTIC	N1 P	21	TPUG-MTH/SCI1
QUBIC	G6 P	17	TPUG-GAMES 3
QUBIC 4	GBP	20	TPUG - GAMES 6
QUBIC.ALT	G5 P	16	TPUG-GAMES 2
QUEENS	L1 P	3	TPUG-LANGUAGE 1
QUEST 3.0	G1 P	39	TPUG-SIMLTN 1
QUEST 3.0	X5 P	39	TPUG BEST-GAME 3
QUEUE	E3 P	9	TPUG-CEAB 2/3
QUICKSORT	L1 P	3	TPUG-LANGUAGE 1
RACE	V1 P	10	TPUG-VIC GAME 1
RACETRACK	G4 P	11	TPUG-GAMES 1
RAGING ROBOTS 4	GBP	13	TPUG - GAMES 6
RAMTEST@$500	U1 P	1	UTILITIES #1
RANDOM FILE	V2 P	13	TPUG-VIC UTIL 1
RANK CORRELATE	N1 P	2	TPUG-MTH/SCI1
RATIONAL	E8 P	9	TPUG-EDUC 2
REACTION TEST	V1 P	7	TPUG-VIC GAME 1
READ WP TAPE2040	U5 P	27	TPUG-UTILITIES 5
READ WP TAPE2040	X6 P	27	TPUG BEST-MISC 1
READ WP2040	U5 P	27	TPUG-UTILITIES 5
READ WP2040	X6 P	27	TPUG BEST-MISC 1
READ-WRITE.S/R'S	U1 P	8	UTILITIES #1
READ.LINK	U1 P	3	UTILITIES #1
READABILTY	E4 P	20	TPUG-CEAB 4
READER	E1 P	27	TPUG-EDUC 1
REAL.CT	A3 P	1	TPUG-ASSM 3
REAL1	A3 P	23	TPUG-ASSM 3
REAL2	A3 P	12	TPUG-ASSM 3
RECIPE	Z2 P	8	TPUG-MISCELLAN 2
RECIPE.SIZER	B1 P	18	TPUG-BUSNSS 1
REDUCTION	N1 P	4	TPUG-MTH/SCI1
REEL	S1 P	10	TPUG-MUSIC 1
REFLECTIONS	G6 P	9	TPUG-GAMES 3
REFLEX TIMER	E2 P	4	TPUG-CEAB 1
REG'D PWR SUP DE	E4 P	28	TPUG-CEAB 4
REG'D PWR SUP DE	N1 P	28	TPUG-MTH/SCI1
RELATION GRAPH	E6 P	14	TPUG-CAEB 6
RELATION SKETCH	E6 P	13	TPUG-CAEB 6
RELREAD	U1 P	1	UTILITIES #1
RELREAD	U2 P	1	UTILITIES #2
RESULTANT	E3 P	5	TPUG-CEAB 2/3
REVERSE-PUNTER	G3 P	9	TPUG-WRD/NUM1
REVERSE-PUNTER	X3 P	9	TPUG BEST-GAME 1
REVERSE-PUNTER	X4 P	9	TPUG BEST-GAME 2
REVERSE.#S	G3 P	9	TPUG-WRD/NUM1
RIJTEST	V1 P	7	TPUG-VIC GAME 1
ROAD RALLY	G6 P	14	TPUG-GAMES 3
ROBOT CHASE!	G4 P	24	TPUG-GAMES 1
ROBOT CHASE!	X3 P	24	TPUG BEST-GAME 1
ROBOT CHASE!	X4 P	24	TPUG BEST-GAME 2
ROBOTS	V3 P	6	TPUG-VIC DEMO 1
ROCKET COMMAND	V1 P	8	TPUG-VIC GAME 1
ROM TEST--BTFLD	U1 P	4	UTILITIES #1
ROOT FINDER	E4 P	10	TPUG-CEAB 4
ROOT FINDER	N1 P	10	TPUG-MTH/SCI1
ROULETTE	G4 P	6	TPUG-GAMES 1
ROULETTE	G8 P	58	TPUG-GAMES 4
ROULETTE.THEORY	N1 P	5	TPUG-MTH/SCI1
RS232-1200@4096	C1 P	2	TPUG-COMMUN 1
RS232-300@4096	C1 P	2	TPUG-COMMUN 1
RUGBY	V1 P	9	TPUG-VIC GAME 1
S-HYPHEN	E3 P	12	TPUG-CEAB 2/3
S-PUNC	E3 P	19	TPUG-CEAB 2/3
S-SPELL	E3 P	12	TPUG-CEAB 2/3
S1 COIN LOGIC PU	E9 P	32	TPUG-EDUCATION 9
S16 WATAID 4	U6 P	17	TPUG-UTILITIES 6
S32 WATAID 4	U6 P	17	TPUG-UTILITIES 6
SALES.ANAL-OP	B1 P	13	TPUG-BUSNSS 1
SAMU	V1 P	9	TPUG-VIC GAME 1
SAUCE	Z2 S	2	TPUG-MISCELLAN 2
SC1.S - OLD	A2 S	76	TPUG-ASSM 2

SC1.S I/O FIX	A2 S	76	TPUG-ASSM 2
SCAN	Z1 P	1	TPUG-MISC. 1
SCARDIAC 7A.INS	E8 P	23	TPUG-EDUC 2
SCARDIAC V7	E8 P	21	TPUG-EDUC 2
SCHOOL-MARM	E9 P	8	TPUG-EDUCATION 9
SCHUIFSPEL	V1 P	8	TPUG-VIC GAME 1
SCRAMBLE-BTTRFLD	Z1 P	5	TPUG-MISC. 1
SCRAMBLED.MSG	Z1 P	5	TPUG-MISC. 1
SCREEN DUMP	U2 P	4	UTILITIES #2
SCREEN PRINT	U1 P	1	UTILITIES #1
SCREENPRINT.ASM	A2 P	13	TPUG-ASSM 2
SCREENPRINT.EXE	A2 P	1	TPUG-ASSM 2
SCROLL	E4 P	3	TPUG-CEAB 4
SCROLL DEMO	Z2 P	9	TPUG-MISCELLAN 2
SCUBA ADVENTRUE	Z2 P	20	TPUG-MISCELLAN 2
SEABATTLE	GAP	47	TPUG - GAMES 5
SEABATTLE INST	GAP	23	TPUG - GAMES 5
SEARCH	U1 P	3	UTILITIES #1
SEARCH+6	U3 P	4	UTILITIES #3
SECTOR.CTL	A1 P	1	TPUG-ASSM 1
SECTOR.EXE	A1 P	2	TPUG-ASSM 1
SECTOR.PGM	A1 P	8	TPUG-ASSM 1
SEQUENTIAL FILE	V2 P	5	TPUG-VIC UTIL 1
SET-UP	U6 P	7	TPUG-UTILITIES 6
SET-UP	X1 P	7	TPUG BEST-UTIL 1
SET.KEY.ASM	A3 P	8	TPUG-ASSM 3
SET/RESET DEMO	U5 P	4	TPUG-UTILITIES 5
SET/RESET.REL	U5 P	7	TPUG-UTILITIES 5
SHIFT UP-LOW CAS	U2 P	3	UTILITIES #2
SHL-MTZ LIB 2.0	U6 P	22	TPUG-UTILITIES 6
SHL-MTZ LIB V2	U6 P	20	TPUG-UTILITIES 6
SHOW TOKENS	U6 P	5	TPUG-UTILITIES 6
SIGNON	U3 P	1	UTILITIES #3
SILENCE	S1 P	17	TPUG-MUSIC 1
SIM INVENTORY	E4 P	7	TPUG-CEAB 4
SIMEQ SOLVER	E4 P	12	TPUG-CEAB 4
SIMEQ SOLVER	N1 P	12	TPUG-MTH/SCI1
SIMON	G6 P	6	TPUG-GAMES 3
SIMON!	G3 P	14	TPUG-WRD/NUM1
SIMPLE PENDULUM	E4 P	4	TPUG-CEAB 4
SINFONIA!	S1 P	9	TPUG-MUSIC 1
SINNERS	G6 P	16	TPUG-GAMES 3
SKELETON DRILL	E7 P	22	TPUG-CEAB 7
SKI	G4 P	4	TPUG-GAMES 1
SLEUTH	GBP	26	TPUG - GAMES 6
SLOT MACH 80 COL	GAP	6	TPUG - GAMES 5
SLOTS/JACKPOT	G6 P	20	TPUG-GAMES 3
SMALL MATH	E2 P	15	TPUG-CEAB 1
SMOG SIMULATION	E3 P	7	TPUG-CEAB 2/3
SNAKE 2	G5 P	18	TPUG-GAMES 2
SNAKE 2	X3 P	18	TPUG BEST-GAME 1
SNAKE 2	X4 P	18	TPUG BEST-GAME 2
SNAKE.ALT	G5 P	18	TPUG-GAMES 2
SNAKES!	G4 P	8	TPUG-GAMES 1
SNOOPY HIRES	V3 P	7	TPUG-VIC DEMO 1
SNOOPY.DANCING	Z1 P	5	TPUG-MISC. 1
SNOWFLAKE	G6 P	11	TPUG-GAMES 3
SOLAR SYSTEM	E8 P	28	TPUG-EDUC 2
SOLITAIRE POKER	G6 P	22	TPUG-GAMES 3
SOLITAIRE-PUNTER	G4 P	25	TPUG-GAMES 1
SOLVE BY GRAPH	E2 P	18	TPUG-CEAB 1
SONATA L.82	S1 P	8	TPUG-MUSIC 1
SORCERERS.CASTLE	G9 P	55	TPUG-SIMLTN 3
SORT	N1 P	3	TPUG-MTH/SCI1
SORTING DEMO	N1 P	8	TPUG-MTH/SCI1
SOUND DEMO	V3 I	11	TPUG-VIC DEMO 1
SOUND.DEMO!	S1 P	19	TPUG-MUSIC 1
SOUND.INFO!	S1 P	18	TPUG-MUSIC 1
SOUNDS	V3 P	11	TPUG-VIC DEMO 1
SOUNDS TAPS CB2	S1 P	3	TPUG-MUSIC 1
SPACESHOOTER.ALT	G2 P	22	TPUG-SPACE 1
SPADE.INSTRUCTS	G5 P	9	TPUG-GAMES 2
SPADES	G5 P	24	TPUG-GAMES 2
SPEAK AND SPELL	E2 P	9	TPUG-CEAB 1
SPEED READ	E4 P	9	TPUG-CEAB 4

Name	Code		Blks	Disk
SPEED.READING	E1	P	5	TPUG-EDUC 1
SPELLING BEE+FIL	E1	P	19	TPUG-EDUC 1
SPELLING DRILL	E7	P	18	TPUG-CEAB 7
SPELLING.TEST	E1	P	13	TPUG-EDUC 1
SPELUNKER	G7	P	38	TPUG-SIMLTN 2
SPRING SONG	S1	P	15	TPUG-MUSIC 1
SQRT	L1	P	1	TPUG-LANGUAGE 1
SQUARE ROOT TEST	N1	P	3	TPUG-MTH/SCI1
SRC.EX HELLO.ASM	A3	P	21	TPUG-ASSM 3
STACK SNIFFER	U3	P	4	UTILITIES #3
STAIRWAY	S1	P	18	TPUG-MUSIC 1
STAR CHASER	V1	P	9	TPUG-VIC GAME 1
STAR TREK	G2	P	23	TPUG-SPACE 1
STAR WAR TRANINE	G2	P	16	TPUG-SPACE 1
STAR WARS	G2	P	25	TPUG-SPACE 1
STAR WARS	V1	P	9	TPUG-VIC GAME 1
STAR WARS	X3	P	25	TPUG BEST-GAME 1
STAR WARS	X4	P	25	TPUG BEST-GAME 2
STAR WARS!	G2	P	15	TPUG-SPACE 1
STARBASE&UFO!	G2	P	26	TPUG-SPACE 1
STARS	G3	P	4	TPUG-WRD/NUM1
STARSPGL BANNER!	S1	P	4	TPUG-MUSIC 1
STARTOTHELLO	L1	P	1	TPUG-LANGUAGE 1
STARTREK V18 #	G2	P	26	TPUG-SPACE 1
STARTREK.ALT4	G2	P	25	TPUG-SPACE 1
STATES&CAPITALS	E1	P	19	TPUG-EDUC 1
STOCK	G8	P	23	TPUG-GAMES 4
STOCK 80 COL	G8	P	23	TPUG-GAMES 4
STOCK MARKET!	GBP		62	TPUG - GAMES 6
STOCK TICKER	E6	P	28	TPUG-CAEB 6
STOCK.LIST	B1	P	11	TPUG-BUSNSS 1
STOCK.OPTION.VAL	B1	P	9	TPUG-BUSNSS 1
STORY.PROBLEMS	E1	P	14	TPUG-EDUC 1
STP 488	C2	P	3	TPUG-COMMUNIC 2
STRAIGHT LINE	E7	P	20	TPUG-CEAB 7
STRINGTHING.BIN	U3	P	2	UTILITIES #3
STRINGTHING.BIN	X1	P	2	TPUG BEST-UTIL 1
STRIPVAR	L1	P	1	TPUG-LANGUAGE 1
STRUCTURE BASIC	E9	P	27	TPUG-EDUCATION 9
STRUCTURE-BASIC	E6	P	24	TPUG-CAEB 6
STUFFIT	U6	P	14	TPUG-UTILITIES 6
SUBMARINE	G6	P	25	TPUG-GAMES 3
SUBMARINE!	G5	P	25	TPUG-GAMES 2
SUNRISE/SUNSET	N3	P	14	TPUG-MATH/SCI 3
SUPER 9X9	GBP		19	TPUG - GAMES 6
SUPER STAR TREK	G2	P	78	TPUG-SPACE 1
SUPER STARTREK	X3	P	78	TPUG BEST-GAME 1
SUPER STARTREK	X4	P	78	TPUG BEST-GAME 2
SUPER VICMON2	V2	P	10	TPUG-VIC UTIL 1
SUPER VICMON2	X2	P	10	TPUG BEST-UTIL 2
SUPER1 V1.1	U6	P	29	TPUG-UTILITIES 6
SUPERCAT@32000	U6	P	2	TPUG-UTILITIES 6
SUPERLANDER	G2	P	21	TPUG-SPACE 1
SUPERMON 2.REL	E6	P	9	TPUG-CAEB 6
SUPERMON 4.REL	E6	P	9	TPUG-CAEB 6
SUPERMON1.REL	U1	P	13	UTILITIES #1
SUPERMON1.REL	U2	P	13	UTILITIES #2
SUPERMON1.REL	X2	P	13	TPUG BEST-UTIL 2
SUPERMON1/2/4INS	U1	P	24	UTILITIES #1
SUPERMON1/2/4INS	U2	P	24	UTILITIES #2
SUPERMON1/2/4INS	X2	P	24	TPUG BEST-UTIL 2
SUPERMON2.REL	U1	P	9	UTILITIES #1
SUPERMON2.REL	U2	P	9	UTILITIES #2
SUPERMON2.REL	X2	P	9	TPUG BEST-UTIL 2
SUPERMON2/4 INS	E6	P	24	TPUG-CAEB 6
SUPERMON4.REL	U1	P	9	UTILITIES #1
SUPERMON4.REL	U2	P	9	UTILITIES #2
SUPERMON4.REL	X2	P	9	TPUG BEST-UTIL 2
SUPERTREK/16KNR	GAP		51	TPUG - GAMES 5
SWORDS & SORCERY	G7	P	28	TPUG-SIMLTN 2
SYLLABLES	E5	P	26	TPUG-CEAB 5
SYMBOLIC.DISASS	U3	P	16	UTILITIES #3
T-HYPHEN	E3	P	6	TPUG-CEAB 2/3
T-PUNC	E3	P	19	TPUG-CEAB 2/3
T-SPELL	E3	P	19	TPUG-CEAB 2/3
T.TENNIS	G6	P	14	TPUG-GAMES 3
TACHISTOSCOPE	E1	P	7	TPUG-EDUC 1
TAG	G6	P	14	TPUG-GAMES 3
TANK VOLUME	N3	P	5	TPUG-MATH/SCI 3
TANK-UFO	V1	P	10	TPUG-VIC GAME 1
TANK.BATTLE	G6	P	21	TPUG-GAMES 3
TANK.WAR.ALT	G6	P	20	TPUG-GAMES 3
TAPE GRAPH 21S	U2	P	6	UTILITIES #2
TAPE GRAPH# ROM	U2	P	6	UTILITIES #2
TAPE LABEL	U4	P	10	UTILITIES #4
TAPE TEST #	U1	P	2	UTILITIES #1
TAPE WRITE (#)	U1	P	2	UTILITIES #1
TAPE-DISK/REL	U5	P	7	TPUG-UTILITIES 5
TAPE.TO.DISK	U1	P	8	UTILITIES #1
TAPE.TO.DISK	X1	P	8	TPUG BEST-UTIL 1
TARANTELA	S1	P	5	TPUG-MUSIC 1
TARGET	G5	P	11	TPUG-GAMES 2
TARGET-BUTTRFLD	G4	P	11	TPUG-GAMES 1
TAX 79 ONT V0.2	B1	P	21	TPUG-BUSNSS 1
TAX 80 ONT V1.0	B1	P	23	TPUG-BUSNSS 1
TAX 80 ONT V2.0	E6	P	23	TPUG-CAEB 6
TAX 80 ONT V3.0	B2	P	23	TPUG-BUSNSS 2
TAX 81 ONT V1.0	B3	P	24	TPUG-BUSINESS 3
TAX 81 ONT V1.0	X6	P	24	TPUG BEST-MISC 1
TAX COLLECTOR NE	E9	P	16	TPUG-EDUCATION 9
TAX ONT 1978 V3	B1	P	20	TPUG-BUSNSS 1
TELE DIALER	C1	P	2	TPUG-COMMUN 1
TELE DIALER	C2	P	2	TPUG-COMMUNIC 2
TERM.I12	C2	P	7	TPUG-COMMUNIC 2
TERM.IEEE	C1	P	6	TPUG-COMMUN 1
TERM.IEEE	C2	P	7	TPUG-COMMUNIC 2
TERM.R12	C2	P	7	TPUG-COMMUNIC 2
TERM.RS232	C1	P	6	TPUG-COMMUN 1
TERM.RS232	C2	P	7	TPUG-COMMUNIC 2
TERMINAL	C1	P	5	TPUG-COMMUN 1
TERMINAL.I12	C2	P	14	TPUG-COMMUNIC 2
TERMINAL.IEEE	C1	P	11	TPUG-COMMUN 1
TERMINAL.IEEE	C2	P	13	TPUG-COMMUNIC 2
TERMINAL.R12	C2	P	15	TPUG-COMMUNIC 2
TERMINAL.RS232	C1	P	11	TPUG-COMMUN 1
TERMINAL.RS232	C2	P	14	TPUG-COMMUNIC 2
TEXT	B1	S	2	TPUG-BUSNSS 1
TEXT EDITOR	B1	P	7	TPUG-BUSNSS 1
TEXTSTAT01	L1	P	7	TPUG-LANGUAGE 1
TEXTSTAT02	L1	P	7	TPUG-LANGUAGE 1
THE ENTERTAINER!	S1	P	9	TPUG-MUSIC 1
THE PROMENADE	S1	P	5	TPUG-MUSIC 1
THREE TUNES	S1	P	13	TPUG-MUSIC 1
TIC-TAC-PET	E2	P	24	TPUG-CEAB 1
TIC-TAC-TOE 2.0	G3	P	13	TPUG-WRD/NUM1
TICTACARITH!	E3	P	26	TPUG-CEAB 2/3
TICTACPET!	E3	P	25	TPUG-CEAB 2/3
TIM.CTL	A3	P	6	TPUG-ASSM 3
TIM.M01	A3	P	21	TPUG-ASSM 3
TIM.M02	A3	P	6	TPUG-ASSM 3
TIMES SQUARE	Z1	P	10	TPUG-MISC. 1
TINY FORTH NOTES	U2	P	25	UTILITIES #2
TINY FORTH TCHR	U2	P	27	UTILITIES #2
TINY MUSIC	U3	P	15	UTILITIES #3
TINY.PILOT.ASM	A2	P	67	TPUG-ASSM 2
TINY.PILOT.EXE	A2	P	7	TPUG-ASSM 2
TINY.PILOT.EXE	U2	P	7	UTILITIES #2
TINY.PILOT.INS	A2	P	13	TPUG-ASSM 2
TINY.PILOT.INS	U2	P	13	UTILITIES #2
TINYMON INST	V2	P	8	TPUG-VIC UTIL 1
TINYMON INST	X2	P	8	TPUG BEST-UTIL 2
TINYMON1 FOR VIC	V2	P	5	TPUG-VIC UTIL 1
TINYMON1 FOR VIC	X2	P	5	TPUG BEST-UTIL 2
TITRATION	E2	P	25	TPUG-CEAB 1
TNW488/103A	C1	P	11	TPUG-COMMUN 1
TOKEN - 32K	C2	P	6	TPUG-COMMUNIC 2
TOKEN - SUPERPET	C2	P	7	TPUG-COMMUNIC 2
TOKEN ML SOURCE	A5	P	11	TPUG-ASSEMBLER 5
TOKER	G4	P	27	TPUG-GAMES 1
TOMBS A-BNNYCSTL	G1	P	12	TPUG-SIMLTN 1
TOMBS B-BNNYCSTL	G1	P	25	TPUG-SIMLTN 1

Name	Code		Num	Collection
TORPEDO.BOMBER	G6	P	6	TPUG-GAMES 3
TRACE.A.WORD	E8	P	19	TPUG-EDUC 2
TRACE.REL	E2	P	14	TPUG-CEAB 1
TRACE.REL	E3	P	14	TPUG-CEAB 2/3
TRACE.REL(BASIC)	U1	P	14	UTILITIES #1
TRAP	V1	P	12	TPUG-VIC GAME 1
TRAVERSE	N3	P	26	TPUG-MATH/SCI 3
TREES	G6	P	24	TPUG-GAMES 3
TREND-BTTRFLD	N1	P	10	TPUG-MTH/SCI1
TRIANGLE SOLVING	E2	P	25	TPUG-CEAB 1
TRIANGLE-BTTRFLD	N1	P	9	TPUG-MTH/SCI1
TRIG PLOT	V3	P	2	TPUG-VIC DEMO 1
TRIP TO ATLANTIS	G9	P	58	TPUG-SIMLTN 3
TURTLE	E8	P	23	TPUG-EDUC 2
TWENTY QUESTIONS	Z2	P	2	TPUG-MISCELLAN 2
TYPER.ALT2	B1	P	9	TPUG-BUSNSS 1
TYPEWRITER.ALT-O	B1	P	14	TPUG-BUSNSS 1
TYPING DRILL	E1	P	6	TPUG-EDUC 1
TYPING TEST	B1	P	3	TPUG-BUSNSS 1
U.S. CAPITALS	E7	P	21	TPUG-CEAB 7
UART.CT	A1	P	4	TPUG-ASSM 1
UART.M01	A1	P	9	TPUG-ASSM 1
UART.M02	A1	P	4	TPUG-ASSM 1
UART.M03	A1	P	3	TPUG-ASSM 1
UFO	V1	P	9	TPUG-VIC GAME 1
UN-NEW.ASM	A2	P	5	TPUG-ASSM 2
UN-NEW/SYS826	U1	P	1	UTILITIES #1
UN-NEW/SYS826	X1	P	1	TPUG BEST-UTIL 1
UNASS.EXE6OC	A2	P	32	TPUG-ASSM 2
UNASS.INS.WP	A2	P	24	TPUG-ASSM 2
UNASSEMBLER	A4	P	62	TPUG-ASSM 4
UNASSEMBLER.CBM	A4	P	26	TPUG-ASSM 4
UNASSEMBLER.CBM	U2	P	26	UTILITIES #2
UNASSEMBLER.CBM3	X2	P	26	TPUG BEST-UTIL 2
UNASSEMBLER.MAE	A4	P	32	TPUG-ASSM 4
UNASSEMBLER.MAE	U2	P	32	UTILITIES #2
UNASSEMBLER.MAE	X2	P	32	TPUG BEST-UTIL 2
UNASSEMBLER/C	A4	P	33	TPUG-ASSM 4
UNASSEMBLER/CBM	A1	P	26	TPUG-ASSM 1
UNASSEMBLER/MAE	A1	P	28	TPUG-ASSM 1
UNCOMPACTOR	U6	P	8	TPUG-UTILITIES 6
UNCOMPACTOR	X1	P	8	TPUG BEST-UTIL 1
UNDLOAD EASIER	U6	P	3	TPUG-UTILITIES 6
UNIVERSAL WEDGE	A3	P	5	TPUG-ASSM 3
UNIVERSAL WEDGE	A4	P	5	TPUG-ASSM 4
UNIVERSAL WEDGE	A5	P	5	TPUG-ASSEMBLER 5
UNIVERSAL WEDGE	B1	P	5	TPUG-BUSNSS 1
UNIVERSAL WEDGE	B2	P	5	TPUG-BUSNSS 2
UNIVERSAL WEDGE	B3	P	5	TPUG-BUSINESS 3
UNIVERSAL WEDGE	C1	P	5	TPUG-COMMUN 1
UNIVERSAL WEDGE	C2	P	5	TPUG-COMMUNIC 2
UNIVERSAL WEDGE	E1	P	5	TPUG-EDUC 1
UNIVERSAL WEDGE	E2	P	5	TPUG-CEAB 1
UNIVERSAL WEDGE	E3	P	5	TPUG-CEAB 2/3
UNIVERSAL WEDGE	E4	P	5	TPUG-CEAB 4
UNIVERSAL WEDGE	E5	P	5	TPUG-CEAB 5
UNIVERSAL WEDGE	E6	P	5	TPUG-CAEB 6
UNIVERSAL WEDGE	E7	P	5	TPUG-CEAB 7
UNIVERSAL WEDGE	E8	P	5	TPUG-EDUC 2
UNIVERSAL WEDGE	E9	P	5	TPUG-EDUCATION 9
UNIVERSAL WEDGE	G2	P	5	TPUG-SPACE 1
UNIVERSAL WEDGE	G3	P	5	TPUG-WRD/NUM1
UNIVERSAL WEDGE	G4	P	5	TPUG-GAMES 1
UNIVERSAL WEDGE	G5	P	5	TPUG-GAMES 2
UNIVERSAL WEDGE	G6	P	5	TPUG-GAMES 3
UNIVERSAL WEDGE	G7	P	5	TPUG-SIMLTN 2
UNIVERSAL WEDGE	G8	P	5	TPUG-GAMES 4
UNIVERSAL WEDGE	G9	P	5	TPUG-SIMLTN 3
UNIVERSAL WEDGE	GA	P	5	TPUG - GAMES 5
UNIVERSAL WEDGE	GB	P	5	TPUG - GAMES 6
UNIVERSAL WEDGE	L1	P	5	TPUG-LANGUAGE 1
UNIVERSAL WEDGE	N1	P	5	TPUG-MTH/SCI1
UNIVERSAL WEDGE	N2	P	5	TPUG-MTH/SCI2
UNIVERSAL WEDGE	N3	P	5	TPUG-MATH/SCI 3
UNIVERSAL WEDGE	S1	P	5	TPUG-MUSIC 1
UNIVERSAL WEDGE	U1	P	5	UTILITIES #1
UNIVERSAL WEDGE	U2	P	5	UTILITIES #2
UNIVERSAL WEDGE	U3	P	5	UTILITIES #3
UNIVERSAL WEDGE	U4	P	5	UTILITIES #4
UNIVERSAL WEDGE	U5	P	5	TPUG-UTILITIES 5
UNIVERSAL WEDGE	U6	P	5	TPUG-UTILITIES 6
UNIVERSAL WEDGE	X1	P	5	TPUG BEST-UTIL 1
UNIVERSAL WEDGE	Z1	P	5	TPUG-MISC. 1
UNIVERSAL WEDGE	Z2	P	5	TPUG-MISCELLAN 2
UNLIST	U2	P	5	UTILITIES #2
UPDATE	B2	P	43	TPUG-BUSNSS 2
US PRESIDENT QUI	E1	P	12	TPUG-EDUC 1
USEIZE.ASM	A3	P	15	TPUG-ASSM 3
USEIZE.WP	U3	P	16	UTILITIES #3
USER.COOKBOOK	U1	P	8	UTILITIES #1
USERS.LETTER	A2	P	14	TPUG-ASSM 2
USPOP	E3	P	22	TPUG-CEAB 2/3
UTILITY 2.0	U1	P	18	UTILITIES #1
UTILITY 2.0	X1	P	18	TPUG BEST-UTIL 1
UTILITY 4.0	U1	P	20	UTILITIES #1
UTILITY 4.0	X1	P	20	TPUG BEST-UTIL 1
UTINSEL.REL	U1	P	7	UTILITIES #1
UTP RS232	C2	P	2	TPUG-COMMUNIC 2
V40.2.B	B1	P	5	TPUG-BUSNSS 1
V40.2.B	U1	P	5	UTILITIES #1
V40.2.B	X6	P	5	TPUG BEST-MISC 1
V40.2.O	A2	S	12	TPUG-ASSM 2
V40.2.S	A2	S	5	TPUG-ASSM 2
V40.4.B	B1	P	5	TPUG-BUSNSS 1
V40.4.B	U1	P	5	UTILITIES #1
V40.4.B	X6	P	5	TPUG BEST-MISC 1
V40.4.O	A2	S	12	TPUG-ASSM 2
V40.4.S	A2	S	5	TPUG-ASSM 2
V80.4.B	B1	P	5	TPUG-BUSNSS 1
V80.4.B	U1	P	5	UTILITIES #1
V80.4.B	X6	P	5	TPUG BEST-MISC 1
V80.4.O	A2	S	11	TPUG-ASSM 2
V80.4.S	A2	S	1	TPUG-ASSM 2
VARIABLE RANDOM	U4	P	13	UTILITIES #4
VDU	L1	P	1	TPUG-LANGUAGE 1
VECTORS	E7	P	17	TPUG-CEAB 7
VIA SCANNER	U4	P	12	UTILITIES #4
VIC CHAR DEMO	V2	P	7	TPUG-VIC UTIL 1
VIC CHAR GENR	V2	P	9	TPUG-VIC UTIL 1
VIC CLOCK	V3	P	7	TPUG-VIC DEMO 1
VIC DIS1	V2	P	18	TPUG-VIC UTIL 1
VIC DIS2	V2	P	21	TPUG-VIC UTIL 1
VIC DIS3	V2	P	21	TPUG-VIC UTIL 1
VIC FREIGHTER	V1	P	11	TPUG-VIC GAME 1
VIC KEY	V3	P	10	TPUG-VIC DEMO 1
VIC LISSAJOUS	V3	P	2	TPUG-VIC DEMO 1
VIC SIL. NITE	V3	P	3	TPUG-VIC DEMO 1
VIC SNAKE	V1	P	11	TPUG-VIC GAME 1
VIC SOUND DEMO	V3	P	6	TPUG-VIC DEMO 1
VIC WEDGE	V2	P	4	TPUG-VIC UTIL 1
VIC WEDGE	X1	P	4	TPUG BEST-UTIL 1
VIC-DEMO	V3	P	11	TPUG-VIC DEMO 1
VIC-KALEIDOSCOPE	V3	P	4	TPUG-VIC DEMO 1
VICBREAK/PADL	V1	P	7	TPUG-VIC GAME 1
VICLOAD2.REL	U6	P	4	TPUG-UTILITIES 6
VICLOAD2.REL	V2	P	4	TPUG-VIC UTIL 1
VICLOAD2.REL	X1	P	4	TPUG BEST-UTIL 1
VICLOAD4.REL	U6	P	4	TPUG-UTILITIES 6
VICLOAD4.REL	V2	P	4	TPUG-VIC UTIL 1
VICLOAD4.REL	X1	P	4	TPUG BEST-UTIL 1
VIEW BAM	U1	P	5	UTILITIES #1
VIEW BAM	V2	P	6	TPUG-VIC UTIL 1
VOCAB 1	E1	P	18	TPUG-EDUC 1
VOLCANO INSTR	E9	P	26	TPUG-EDUCATION 9
VOLCANO SIM V2	E9	P	28	TPUG-EDUCATION 9
WASHINGTON.POST!	S1	P	9	TPUG-MUSIC 1
WATER	E3	P	26	TPUG-CEAB 2/3
WATER MUSIC!	S1	P	4	TPUG-MUSIC 1
WEATHERCAST	N3	P	25	TPUG-MATH/SCI 3
WEATHERMAN	N1	P	13	TPUG-MTH/SCI1
WEDGE/BASIC4.ASM	A3	P	23	TPUG-ASSM 3

WEIGH	E4 P	17	TPUG-CEAB 4
WEIGH	G6 P	17	TPUG-GAMES 3
WEIGHT WATCH 4.0	E4 P	18	TPUG-CEAB 4
WEIGHT WATCH 4.0	N1 P	18	TPUG-MTH/SCI 1
WELL TEMPERED	S1 P	12	TPUG-MUSIC 1
WHEN I'M 64!	S1 P	6	TPUG-MUSIC 1
WHOLE NUMBERS	E7 P	19	TPUG-CEAB 7
WHOLES	E7 P	26	TPUG-CEAB 7
WILL O' WISP	GA P	114	TPUG - GAMES 5
WINDOW	L1 P	11	TPUG-LANGUAGE 1
WIZARD'S.CASTLE	G9 P	60	TPUG-SIMLTN 3
WONDERLAND!	S1 P	4	TPUG-MUSIC 1
WORD COUNT 9	X1 P	4	TPUG BEST-UTIL 1
WORD COUNT 9.0	U5 P	4	TPUG-UTILITIES 5
WORD COUNT BASIC	U5 P	6	TPUG-UTILITIES 5
WORD INVADERS	E9 P	27	TPUG-EDUCATION 9
WORD INVADERS2	E9 P	33	TPUG-EDUCATION 9
WORD LADDER	E8 P	25	TPUG-EDUC 2
WORD P DEMO	U5 P	10	TPUG-UTILITIES 5
WORD P DEMO	X6 P	10	TPUG BEST-MISC 1
WORD PRO PRINTER	U6 P	4	TPUG-UTILITIES 6
WORD PRO PRINTER	X1 P	4	TPUG BEST-UTIL 1
WORD PRO TH2058	U5 P	27	TPUG-UTILITIES 5
WORD PRO TH2058	X6 P	27	TPUG BEST-MISC 1
WORD PROCESSOR	B3 P	14	TPUG-BUSINESS 3
WORD.SEARCH+	E8 P	27	TPUG-EDUC 2

WORLD 2	E3 P	19	TPUG-CEAB 2/3
WORLD CAPITAL QU	E1 P	12	TPUG-EDUC 1
WORLD CLOCK	Z2 P	19	TPUG-MISCELLAN 2
WOTAG	Z2 P	1	TPUG-MISCELLAN 2
WP LIST/SCREEN	U6 P	14	TPUG-UTILITIES 6
WP LIST/SCREEN	X1 P	14	TPUG BEST-UTIL 1
WP LIST/SCREEN	X2 P	14	TPUG BEST-UTIL 2
WP LISTER.SRC	A5 P	30	TPUG-ASSEMBLER 5
WP TAPE2058	U5 P	27	TPUG-UTILITIES 5
WP TAPE2058	X6 P	27	TPUG BEST-MISC 1
WP TO UPPER	U1 P	1	UTILITIES #1
WP3/4 INST1	B1 P	41	TPUG-BUSNSS 1
WP3/4 INST1	X6 P	41	TPUG BEST-MISC 1
WP3/4 INST2	B1 P	15	TPUG-BUSNSS 1
WP3/4 INST2	X6 P	15	TPUG BEST-MISC 1
WPRO BUSTER	U3 P	7	UTILITIES #3
WPRO BUSTER	X1 P	7	TPUG BEST-UTIL 1
WUMPUS II	GB P	31	TPUG - GAMES 6
WUMPUS.ALT	G6 P	19	TPUG-GAMES 3
X-REF 24576.ML	X1 P	4	TPUG BEST-UTIL 1
YAHTZEE	G6 P	22	TPUG-GAMES 3
YAHTZEE	X3 P	22	TPUG BEST-GAME 1
YAHTZEE	X4 P	22	TPUG BEST-GAME 2
YAHTZEE IV	GB P	23	TPUG - GAMES 6
YELLOW LIGHT	E3 P	26	TPUG-CEAB 2/3
YOTE	GB P	19	TPUG - GAMES 6
Z-SCORE	E3 P	8	TPUG-CEAB 2/3

●●●

TPUG

INDIVIDUAL   DISKETTE

DIRECTORIES

TPUG DISK INDEX

ID	DISK NAME			
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A1	TPUG-ASSEMBLER 1		G8	TPUG-GAMES 4
A2	TPUG-ASSEMBLER 2		G9	TPUG-SIMULATN 3
A3	TPUG-ASSEMBLER 3		GA	TPUG - GAMES 5
A4	TPUG-ASSEMBLER 4		GB	TPUG - GAMES 6
A5	TPUG-ASSEMBLER 5		L1	TPUG-LANGUAGE 1
B1	TPUG-BUSINESS 1		N1	TPUG-MATH/SCI 1
B2	TPUG-BUSINESS 2		N2	TPUG-MATH/SCI 2
B3	TPUG-BUSINESS 3		N3	TPUG-MATH/SCI 3
C1	TPUG-COMMUNCTN 1		S1	TPUG-MUSIC 1
C2	TPUG-COMMUNIC 2		U1	TPUG-UTILITY 1
E1	TPUG-EDUCATION 1		U2	TPUG-UTILITY 2
E2	TPUG-CEAB 1		U3	TPUG-UTILITY 3
E3	TPUG-CEAB 2/3		U4	TPUG-UTILITY 4
E4	TPUG-CEAB 4		U5	TPUG-UTILITIES 5
E5	TPUG-CEAB 5		U6	TPUG-UTILITIES 6
E6	TPUG-CEAB 6		V1	TPUG-VIC GAME 1
E7	TPUG-CEAB 7		V2	TPUG-VIC UTIL 1
E8	TPUG-EDUC 2		V3	TPUG-VIC DEMO 1
E9	TPUG-EDUCATION 9		X1	TPUG BEST-UTIL 1
G1	TPUG-SIMULATN 1		X2	TPUG BEST-UTIL 2
G2	TPUG-SPACE GAME1		X3	TPUG BEST-GAME 1
G3	TPUG-WORD/NUM 1		X4	TPUG BEST-GAME 2
G4	TPUG-GAMES 1		X5	TPUG BEST-GAME 3
G5	TPUG-GAMES 2		X6	TPUG BEST-MISC 1
G6	TPUG-GAMES 3		Z1	TPUG-MISCELL. 1
G7	TPUG-SIMULATN 2		Z2	TPUG-MISCELLAN 2

The preceding alphabetic list of all the programs in the TPUG library was compiled by our librarian, Dave Hook. The editor feels that a complete annotated alphabetic index would be very beneficial, an he would appreciate it if any persons willing to work on such a project would contact him. He could then co-ordinate the persons activities so two people would not be working in the same area and wasting their effort.

Anyway, we   certainly owe Dave a vote of thanks for having made this step in the right direction. Each of the alphabetic entries contains an indication of the type of file, the number of disk sectors involved, and the disk where it is to be found. In the adjourning column is a directory of the disk ID's, so that you may determine what is being referenced. A complete listing, also compiled by Dave, of each disks contents, follows.
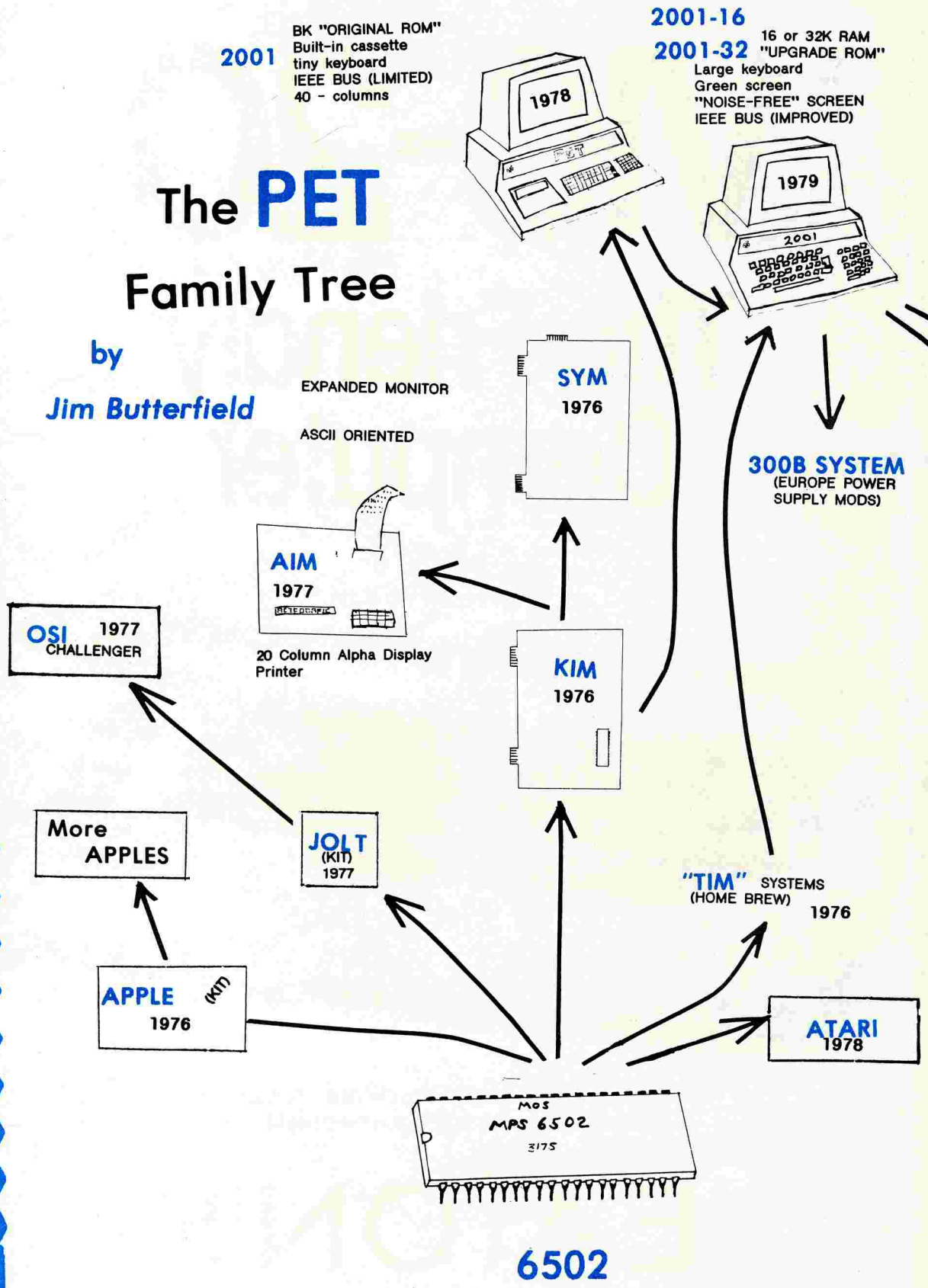
VIC-20
The Friendly Computer

Commodore Vic 20 hardware and software
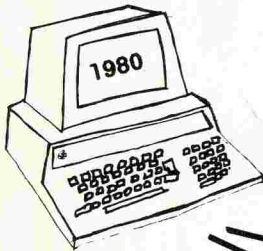available at or through your nearest Eaton store.

EATON'S

2001

BK "ORIGINAL ROM"
Built-in cassette
tiny keyboard
IEEE BUS (LIMITED)
40 - columns

2001-16
2001-32

16 or 32K RAM
"UPGRADE ROM"
Large keyboard
Green screen
"NOISE-FREE" SCREEN
IEEE BUS (IMPROVED)

1978

1979

2001

The **PET**
Family Tree

by
Jim Butterfield

EXPANDED MONITOR

ASCII ORIENTED

SYM
1976

AIM
1977
METEOGRAFIK

20 Column Alpha Display
Printer

300B SYSTEM
(EUROPE POWER
SUPPLY MODS)

OSI 1977
CHALLENGER

KIM
1976

More
APPLES

JOLT
(KIT)
1977

"TIM" SYSTEMS
(HOME BREW)
1976

APPLE (KIT)
1976

ATARI
1978

MOS
MPS 6502
3175

6502

4016 4032

BASIC 4.0" ROM
Business or graphics
keyboard

1980

8032

80 columns
Bell, tabs

FAT 40

40 columns
Graphics keyboard

1981
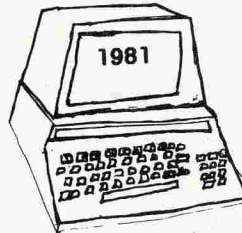
SUPER PET

EXTRA PROCESS (6809)
Extra memory
Choice of languages

96K PET

Extra memory

1982

1982

COMMODORE 64

64K RAM
6510 Proc.
Advanced
Color/graphic/end
40 columns
Serial bus   1982

VIC

22 columns
5K RAM
Color/graphics/
Sound
TV hookup
Serial bus
RS-232
Inexpensive
Plug-in memory

"P" SERIES

(PET II)
128K RAM
6509 PROC.
40 Columns
Advanced color/graphics/
Sound
  IEEE BUS
  RS-232

1983

MAX   1983
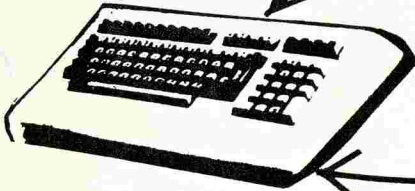
No ROM
Little RAM
Inexpensive

"B" SERIES

B128
(CBM2)
128K RAM
80 Columns
6509 Processor
Advanced color/
Graphics/sound
IEEE bus
RS-232
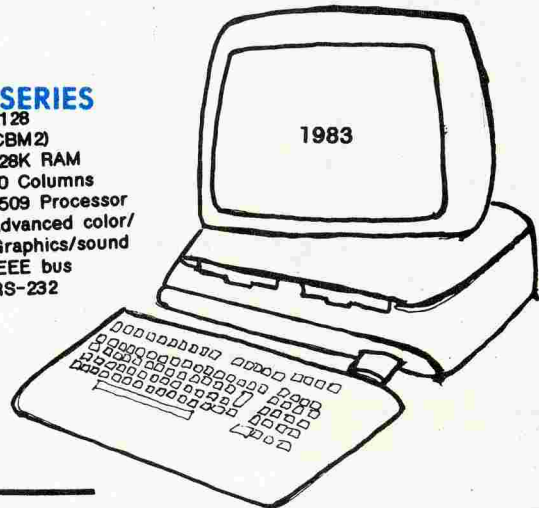
1983

The FUTURE ???

"BX" SERIES

Extra Processor (8088)
256K RAM
CPM

1983

TPUG-ASSEMBLER 1

3D.PLOT.ASM	A1 P	20	03AA–16FD
CBM.TO.MAE	A1 P	5	0401–08AD
DOS.ASM	A1 P	30	00AA–1D74
EPROM.PRGM.ASM	A1 P	32	0031–1F75
EPROM.PRGM.EXE	A1 P	3	7000–7220
EPROM.PRGM.INS	A1 P	6	0401–0901
EXMON.CT	A1 P	3	00AA–0304
EXMON.M01	A1 P	8	00AA–07B1
EXMON.M02	A1 P	27	00AA–1B50
EXMON.M03	A1 P	14	00AA–0DDA
EXMON.M04	A1 P	14	00AA–0E76
EXMON.M05	A1 P	13	00AA–0D5D
EXMON.M06	A1 P	16	00AA–1079
EXMON.M07	A1 P	12	00AA–0BAF
EXMON.M08	A1 P	8	00AA–0888
EXMON.M09	A1 P	8	00AA–082C
EXMON.M0A	A1 P	6	00AA–05B1
EXTRAMON.EXE9.0B	A1 P	9	1000–17EF
EXTRAMON.EXE9.0G	A1 P	9	1000–1800
FREQ.CTR.ASM	A1 P	2	03AA–0560
IEEE.LIB	A1 P	22	00AA–1590
KEYSORT.ASM	A1 P	52	00AA–335A
L.C.LISTER.ASM	A1 P	16	00AA–1012
LEARNING.AID1	A1 P	27	00AA–1B1C
LEARNING.AID2	A1 P	20	00AA–13EA
LEARNING.AID3	A1 P	9	00AA–089C
LEARNING.AID4	A1 P	10	00AA–09E3
LEARNING.AID5	A1 P	24	00AA–17C8
LEARNING.AID6	A1 P	10	00AA–0997
LEARNING.AID7	A1 P	14	00AA–0E32
MAE.PAT.ASM	A1 P	5	03AA–0809
MAE.TO.CBM	A1 P	3	0401–0688
MAE/DOS	A1 P	7	0401–0AE7
MAE/DOS.ASM	A1 P	41	00AA–2929
MLMACROS.MLIB	A1 P	14	00AA–0DE4
PET.LIB	A1 P	15	00AA–0F4E
PET16.ASM	A1 P	16	00AA–0FED
PET16.MAC	A1 P	9	00AA–098B
SECTOR.CTL	A1 P	1	00AA–0123
SECTOR.EXE	A1 P	2	0800–09BF
SECTOR.PGM	A1 P	8	00AA–0860
UART.CT	A1 P	4	00AA–03ED
UART.M0I	A1 P	9	00AA–08A5
UART.M02	A1 P	4	00AA–03F2
UART.M03	A1 P	3	00AA–02F7
UNASSEMBLER/CBM	A1 P	26	0401–1D54
UNASSEMBLER/MAE	A1 P	28	0401–1F23

TPUG-ASSEMBLER 2

AID.CT	A2 P	1	00AA–012D
AID.M01	A2 P	9	00AA–0899
AID.M02	A2 P	30	00AA–1DBE
AID.M03	A2 P	27	00AA–1B0E
APPEND.ASM	A2 P	8	00AA–0835
APPLE.LOADER.ASM	A2 P	36	00AA–2447
BASIC.AID.EXE	A2 P	11	0400–0E00
BASIC.AID.INS	A2 P	31	0401–224F
BMBSTRINGTHING	A2 S	14	3,332
EXTRAMON9.3B	A2 P	8	1000–17D4
EXTRAMON9.3G	A2 P	8	1000–17D4
MAE/DOS	A2 P	7	0401–0AE7
MINI–COMPII ER	A2 P	23	0401–19E2
PGMR.UNIV.ASM	A2 P	41	00AA–2873
PGMR4.0.EXE	A2 P	3	7000–7279
SC1.S – OLD	A2 S	76	19,134
SC1.S I/O FIX	A2 S	76	19,213
SCREENPRINT.ASM	A2 P	13	00AA–0D8D
SCREENPRINT.EXE	A2 P	1	033A–03F2
TINY.PILOT.ASM	A2 P	67	00AA–4280
TINY.PILOT.EXE	A2 P	7	4FF0–5657
TINY.PILOT.INS	A2 P	13	0401–1066

UN–NEW.ASM	A2 P	5	00AA–04EA
UNASS.EXE6OC	A2 P	32	0401–2399
UNASS.INS.WP	A2 P	24	24A0–3BC0
USERS.LETTER	A2 P	14	03AA–1098
V40.2.O	A2 S	12	2,876
V40.2.S	A2 S	5	1,198
V40.4.O	A2 S	12	2,876
V40.4.S	A2 S	5	1,198
V80.4.O	A2 S	11	2,676
V80.4.S	A2 S	1	193

TPUG-ASSEMBLER 3

AID4.ASM	A3 P	31	00AA–1F3F
APP LOAD SOURCE	A3 P	49	00AA–311A
ASM CONV MOS_COM	A3 P	4	0401–079A
FORMS.CT	A3 P	8	00AA–084B
FORMS.M1	A3 P	41	00AA–2913
FORMS.M2	A3 P	39	00AA–26E3
JUMP2	A3 P	6	0001–05E8
JUMPTABLE	A3 P	6	0001–05B0
KEY.PRINT3&4.ASM	A3 P	14	00AA–0DD6
L.C.LISTER.ASM	A3 P	16	00AA–1012
LITTLEMON.ASM	A3 P	17	00AA–115F
MEAN 14/PET.ASM	A3 P	12	00AA–0C3B
MICROMON.CTB	A3 P	2	00AA–025F
MICROMON.M01	A3 P	4	00AA–03B9
MICROMON.M02B	A3 P	25	00AA–18B3
MICROMON.M03	A3 P	15	00AA–0EAE
MICROMON.M04	A3 P	14	00AA–0E42
MICROMON.M05	A3 P	12	00AA–0BFB
MICROMON.M06	A3 P	16	00AA–104E
MICROMON.M07A	A3 P	15	00AA–0F4E
MICROMON.M08A	A3 P	10	00AA–0A3E
MICROMON.M09	A3 P	21	00AA–1551
MICROMON.M10	A3 P	18	00AA–11D3
MICROMON.M10.5B	A3 P	2	00AA–01D1
MICROMON.M11B	A3 P	9	00AA–093C
MXCL.SRCE	A3 P	22	00AA–15A6
NECCL.SRCE	A3 P	21	00AA–1536
PGMR.UNIV.ASM	A3 P	41	00AA–2873
PRINT TIME.ASM	A3 P	5	00AA–04B7
REAL.CT	A3 P	1	00AA–00FD
REAL1	A3 P	23	0001–16A4
REAL2	A3 P	12	0001–0B5B
SET.KEY.ASM	A3 P	8	00AA–087D
SRC.EX HELLO.ASM	A3 P	21	00AA–153B
TIM.CTL	A3 P	6	00AA–0602
TIM.M01	A3 P	21	00AA–154D
TIM.M02	A3 P	6	00AA–05F0
UNIVERSAL WEDGE	A3 P	5	0401–08B0
USEIZE.ASM	A3 P	15	00AA–0EE6
WEDGE/BASIC4.ASM	A3 P	23	00AA–16CC

TPUG-ASSEMBLER 4

8K	A4 P	24	0401–1B31
BAID4.CT	A4 P	2	00AA–020F
BAID4.DOS	A4 P	14	00AA–0E10
BAID4.M1	A4 P	9	00AA–0934
BAID4.M2	A4 P	17	00AA–1131
BAID4.M3C	A4 P	22	00AA–1622
BAID4.M4	A4 P	27	00AA–1B06
ERIC ASSM	A4 P	25	0401–1C39
INSTRUCTIONS	A4 P	9	0401–0BF1
LITTLEMON+.CT	A4 P	8	00AA–07D4
LITTLEMON.M01	A4 P	19	00AA–12FD
MUSIC.ASM	A4 P	4	0081–041B
UNASSEMBLER	A4 P	62	0401–40E8
UNASSEMBLER.CBM	A4 P	26	0401–1D75
UNASSEMBLER.MAE	A4 P	32	0401–22DA
UNASSEMBLER/C	A4 P	33	0401–2436
UNIVERSAL WEDGE	A4 P	5	0401–08B0

TPUG-ASSEMBLER 5

ADDCOMS.PAL	A5 P	10	0401-0DD1
BASIC-AID.ASM	A5 P	2	00AA-024D
BASIC-AID.CT	A5 P	3	00AA-0387
BASIC-AID.DOS	A5 P	11	00AA-0B7E
BASIC-AID.M1A	A5 P	19	00AA-1290
BASIC-AID.M1B	A5 P	17	00AA-108D
BASIC-AID.M2A	A5 P	16	00AA-1081
BASIC-AID.M2B	A5 P	14	00AA-0DB2
BASIC-AID.M3A	A5 P	16	00AA-101E
BASIC-AID.M3B	A5 P	28	00AA-1BE6
BASIC-AID.M3C	A5 P	21	00AA-1546
BASIC-AID.M4	A5 P	29	00AA-1CED
BASIC-AID.ROLLA	A5 P	19	00AA-1317
BASIC-AID.ROLLB	A5 P	17	00AA-1142
MICROMON.CT+	A5 P	2	00AA-0278
MICROMON.CTC	A5 P	2	00AA-021B
MICROMON.M01	A5 P	4	00AA-03FD
MICROMON.M01+	A5 P	12	00AA-0BE6
MICROMON.M02+	A5 P	19	00AA-130D
MICROMON.M02B	A5 P	25	00AA-18CE
MICROMON.M03	A5 P	15	00AA-0EAE
MICROMON.M03+	A5 P	24	0008-16E0
MICROMON.M04	A5 P	14	00AA-0E42
MICROMON.M04+	A5 P	3	00AA-036E
MICROMON.M05B	A5 P	12	00AA-0BF8
MICROMON.M06	A5 P	16	00AA-104E
MICROMON.M07A	A5 P	15	00AA-0F4E
MICROMON.M08A	A5 P	10	00AA-0A3E
MICROMON.M09.5	A5 P	24	00AA-17F2
MICROMON.M09B	A5 P	22	00AA-15B7
MICROMON.M10B	A5 P	19	00AA-135E
MICROMON.M11B	A5 P	11	00AA-0AE9
TOKEN ML SOURCE	A5 P	11	00AA-0B84
UNIVERSAL WEDGE	A5 P	5	0401-08B0
WP LISTER.SRC	A5 P	30	00AA-1E57

TPUG-BUSINESS 1

APARTMENT.INCOME	B1 P	24	0401-1AD5
APR 80	B1 S	2	383
BUS,PR\CASH\ROI	B1 P	12	0401-0F77
CAR.COST\MILE	B1 P	25	0401-1C3D
CURRENCY.CONV	B1 P	6	0401-09DD
DATES-BTTRFLD	B1 P	7	0401-0A5E
DAY OF THE WEEK	B1 P	4	0401-0786
DECISION.MAKER	B1 P	14	0401-10FA
DEMO 8032	B1 P	71	0401-4A2E
DYNATEXT	B1 P	43	0401-2DB0
DYNATEXT.INS	B1 S	45	11,342
E.G SET-UP 80COL	B1 P	12	0401-0F1A
FEB 80	B1 S	1	39
FINANCIAL CALCS	B1 P	10	0401-0DA5
GROWTH RATE	B1 P	10	0401-0D82
GROWTH.CALC	B1 P	4	0401-0788
HOME.ACCOUNTS.IN	B1 P	20	0401-177C
HOME.ACCOUNTS.SU	B1 P	24	0401-1B95
INVESTMENT.ALT	B1 P	12	0401-0EF8
IRREG.CASH.FLOW	B1 P	25	0401-1BEA
JAN 80	B1 S	1	36
LOAN.ALT	B1 P	15	0401-1248
MAR 80	B1 S	1	36
MARKS-BTTRFLD	B1 P	8	0401-0BA4
MAY 80	B1 S	2	285
MILEAGE-BTTRFLD	B1 P	5	0401-08BA
MORTGAGE-BTTRFLD	B1 P	7	0401-0AD8
PORTFOLI0-BTRFLD	B1 P	12	0401-0EF8
PRICE.LIST	B1 P	8	0401-0B16
RECIPE.SIZER	B1 P	18	0401-1596
SALES.ANAL-OP	B1 P	13	0401-1017
STOCK.LIST	B1 P	11	0401-0E40
STOCK.OPTION.VAL	B1 P	9	0401-0BFF

TAX (TPUG-BUSINESS 1 cont.)

TAX 79 ONT V0.2	B1 P	21	0401-1849
TAX 80 ONT V1.0	B1 P	23	0401-19FC
TAX ONT 1978 V3	B1 P	20	0401-170D
TEXT	B1 S	2	506
TEXT EDITOR	B1 P	7	0401-0AEB
TYPER.ALT2	B1 P	9	0401-0C30
TYPEWRITER.ALT-O	B1 P	14	0401-1174
TYPING TEST	B1 P	3	0401-06BC
UNIVERSAL WEDGE	B1 P	5	0401-08B0
V40.2.B	B1 P	5	7B00-7F80
V40.4.B	B1 P	5	7B00-7F80
V80.4.B	B1 P	5	7B00-7F28
WP3/4 INST1	B1 P	41	50B8-7909
WP3/4 INST2	B1 P	15	50B8-5F69

TPUG-BUSINESS 2

4040 FORMAT	B2 P	5	0401-089B
4040 MENU	B2 P	3	0401-0675
4040 PRINT	B2 P	25	0401-1C08
4040 UPDATE	B2 P	41	0401-2C08
8050 FORMAT	B2 P	6	0401-0911
8050 MENU	B2 P	3	0401-0675
8050 PRINT	B2 P	25	0401-1CB8
8050 UPDATE	B2 P	42	0401-2D6A
FORMAT	B2 P	12	0401-0F0B
INTEREST	B2 P	25	0401-1CA6
JOURNAL	B2 P	12	0401-0EF9
MAIL BACKUP	B2 S	10	2,448
MAIL LIST 2.0	B2 P	20	0401-16FE
MAIL LIST 4.1	B2 P	23	0401-1A2F
MAIL LIST 4040	B2 P	23	0401-1A34
MAIL LIST 8050	B2 P	23	0401-1A34
MENU	B2 P	3	0401-063F
PRINT	B2 P	29	0401-2099
TAX 80 ONT V3.0	B2 P	23	0401-1A61
UNIVERSAL WEDGE	B2 P	5	0401-08B0
UPDATE	B2 P	43	0401-2E90

TPUG-BUSINESS 3

BKEEPING.ALT	B3 P	21	0401-18A9
CRITICAL PATH	B3 P	46	0401-316C
FINANCE	B3 P	25	0401-1C1F
INTEREST	B3 P	27	0401-1E7D
INVENTORY CONTRO	B3 P	11	0401-0E85
LUMP-SUM INV 82	B3 P	38	0401-2930
MINIWORDPRO	B3 P	12	0401-0FD8
MORT CALC	B3 P	6	0401-095C
MORT SCHED	B3 P	7	0401-0A3A
MORTGAGE	B3 P	7	0401-0AD8
TAX 81 ONT V1.0	B3 P	24	0401-1B63
UNIVERSAL WEDGE	B3 P	5	0401-08B0
WORD PROCESSOR	B3 P	14	0401-11A7

TPUG-COMMUNCTN 1

8010 MODEM DRIVR	C1 P	47	0401-3200
BBS PROGRAM	C1 P	47	0401-3200
CBM 8010	C1 P	6	0401-09A7
COMMUNICATE TEST	C1 P	5	0401-0851
ED-TERM	C1 P	30	033A-2000
INTELCOM1	C1 P	4	3C90-4000
INTELCOM2	C1 P	4	3C90-4000
INTELCOM3	C1 P	4	3C90-4000
INTELCOM4	C1 P	5	3C00-4000
MODEM LOG	C1 P	5	0401-085B
MORSE TUTOR	C1 P	14	0401-1147

MORSE-BTTRFLD	C1 P	4	0401-07C1
PC.NET.MODEM	C1 P	23	0401-1A31
RS232-1200@4096	C1 P	2	0800-09E6
RS232-300@4096	C1 P	2	0800-09E6
TELE DIALER	C1 P	2	0401-05B3
TERM.IEEE	C1 P	6	7A00-7F47
TERM.RS232	C1 P	6	7A00-7F29
TERMINAL	C1 P	5	1200-16E1
TERMINAL.IEEE	C1 P	11	0401-0E07
TERMINAL.RS232	C1 P	11	0401-0E52
TNW488/103A	C1 P	11	0401-0E2A
UNIVERSAL WEDGE	C1 P	5	0401-08B0

TPUG-COMMUNIC 2

300 ANS	C2 P	3	0401-0665
BRASS POUNDER 2	C2 P	19	0401-167E
CORESEND	C2 P	11	0401-0EA6
ED-TERM	C2 P	30	033A-2000
INTELCOM3	C2 P	4	3C90-4000
INTELCOM4	C2 P	5	3C00-4000
PET PCNET	C2 P	23	0401-1A50
PETCOM	C2 P	31	0401-2296
STP 488	C2 P	3	0401-0648
TELE DIALER	C2 P	2	0401-05B3
TERM.I12	C2 P	7	7900-7FD2
TERM.IEEE	C2 P	7	7900-7FB5
TERM.R12	C2 P	7	7900-7FBD
TERM.RS232	C2 P	7	7900-7FA0
TERMINAL.I12	C2 P	14	0401-1150
TERMINAL.IEEE	C2 P	13	0401-107C
TERMINAL.R12	C2 P	15	0401-11E8
TERMINAL.RS232	C2 P	14	0401-1115
TOKEN - 32K	C2 P	6	0401-098D
TOKEN - SUPERPET	C2 P	7	0401-0ACA
UNIVERSAL WEDGE	C2 P	5	0401-08B0
UTP RS232	C2 P	2	0401-055F

TPUG-EDUCATION 1

20 QUESTIONS	E1 P	15	0401-1273
ADDITION GAME	E1 P	6	0401-09A9
AFRICA & ASIA	E1 P	20	0401-179E
ANIMAL	E1 P	13	0401-101B
ANIMAL.DATA	E1 S	10	2,350
ASK	E1 P	2	0401-05EF
BIG MATH 1.1	E1 P	11	0401-0E8B
CASH REGISTER	E1 P	9	0401-0CCF
CRYPTOGRAM	E1 P	5	0401-087A
DISPLAY	E1 P	23	0401-1A2C
DONUTS	E1 P	8	0401-0B22
EASY ADD & SUBTR	E1 P	12	0401-0FAE
EDU-TILITIES	E1 P	27	0401-1E0B
ELIZA	E1 P	24	0401-1AD7
EUROPE	E1 P	10	0401-0D5B
EUROPEAN CAPITOL	E1 P	10	0401-0D85
FISHERY	E1 P	20	0401-1771
FLASH CARDS	E1 P	8	0401-0B39
FRACTIONS	E1 P	6	0401-094B
FRENCH	E1 P	10	0401-0DE7
FRENCH VERBS	E1 P	11	0401-0E53
GLOBAL	E1 P	6	0401-09C5
GRAMMAR	E1 P	5	0401-08DF
HAIKU 5	E1 P	13	0401-1076
HANGMAN	E1 P	11	0401-0E46
HANGMAN 2	E1 P	27	0401-1E83
HANGMAN(HJS)	E1 P	11	0401-0E0B
HIDDEN.WORDS	E1 P	22	0401-191B
HISTOGRAM	E1 P	4	0401-0780
ICE CREAM PAR	E1 P	23	0401-1A6B
MATH DICE	E1 P	7	0401-0A0A

MATH IQ	E1 P	26	0401-1DC0
MATH TUTOR	E1 P	13	0401-1001
MATH.QUIZ	E1 P	13	0401-101A
MISSING NUMBER	E1 P	7	0401-0AAD
NO	E1 P	9	0401-0C53
NOT.SO.EASY	E1 P	11	0401-0EC3
PETS	E1 P	15	0401-1255
Q'S & Z'S	E1 P	14	0401-1193
READER	E1 P	27	0401-1E11
SPEED.READING	E1 P	5	0401-08B4
SPELLING BEE+FIL	E1 P	19	0401-1634
SPELLING.TEST	E1 P	13	0401-1021
STATES&CAPITALS	E1 P	19	0401-162C
STORY.PROBLEMS	E1 P	14	0401-11BE
TACHISTOSCOPE	E1 P	7	0401-0A85
TYPING DRILL	E1 P	6	0401-09A9
UNIVERSAL WEDGE	E1 P	5	0401-08B0
US PRESIDENT QUI	E1 P	12	0401-0FA1
VOCAB 1	E1 P	18	0401-1587
WORLD CAPITAL QU	E1 P	12	0401-0F64

TPUG-CEAB 1

A V OR MINERAL	E2 P	10	0401-0DAE
AMORT'N TABLES	E2 P	13	0401-10CD
CAPITALS	E2 P	13	0401-10CB
DART	E2 P	14	0401-11B4
DISK DATA	E2 S	1	63
DUM 3.2	E2 P	26	0401-1DB7
GEIGER COUNTER	E2 P	11	0401-0EB4
GRAPH SNAPSHOT	E2 P	19	0401-16C1
GRAPH SUBROUTINE	E2 P	5	0401-08A3
GRAVITY TIMER	E2 P	12	0401-0FAB
HANGMAN	E2 P	25	0401-1BDA
HEAT SOLVER 16K	E2 P	22	0401-19D1
HEAT SOLVER 8K	E2 P	22	0401-198C
HYPO SIMULATOR	E2 P	17	0401-14C0
JOHN GRAPH	E2 P	5	0401-0812
MATRIX SOLUTION	E2 P	18	0401-15B3
METRIC	E2 P	11	0401-0EBB
MICROMATH DEMO	E2 P	46	0401-313F
MM1.1 sHERIDAN	E2 P	28	0401-1F4E
MM16.1	E2 P	26	0401-1D67
POLLUTION	E2 P	25	0401-1C38
PRIME NUMBER 16K	E2 P	3	0401-061B
REFLEX TIMER	E2 P	4	0401-07BE
SMALL MATH	E2 P	15	0401-12AE
SOLVE BY GRAPH	E2 P	18	0401-15BB
SPEAK AND SPELL	E2 P	9	0401-0BF9
TIC-TAC-PET	E2 P	24	0401-1B2B
TITRATION	E2 P	25	0401-1BD2
TRACE.REL	E2 P	14	0401-11E2
TRIANGLE SOLVING	E2 P	25	0401-1C95
UNIVERSAL WEDGE	E2 P	5	0401-08B0

TPUG-CEAB 2/3

BEADS	E3 P	4	0401-0792
CALENDAR	E3 P	16	0401-1362
CLOSED-3	E3 P	5	0401-08E9
CURVE-FIT	E3 P	30	0401-219A
CURVE-FIT 2	E3 P	22	0401-19AA
DRUNKARD	E3 P	5	0401-085B
EXPECTANCY	E3 P	18	0401-1543
GEOGRAPHY	E3 P	25	0401-1C92
HAMMURABI	E3 P	9	0401-0C8F
HANGMAN	E3 P	12	0401-0F8C
HICALC	E3 P	23	0400-1A4A
HIST	E3 P	4	0401-0780
HURKLE!	E3 P	20	0400-16DA
LISSAJOUS	E3 P	4	0401-079C
METCONV	E3 P	13	0401-1081
MULTIPLOT	E3 P	10	0401-0D5A

NUMINT	E3 P	8	0401-0BC2
POINTS	E3 P	25	0400-1BFB
POLAR	E3 P	10	0401-0DB5
POLICY	E3 P	26	0400-1CE5
POLUT	E3 P	25	0400-1C33
POP	E3 P	25	0400-1C2D
PROBABILITY MACH	E3 P	8	0400-0B63
PROJ-PLOT	E3 P	12	0401-0F3D
QUEUE	E3 P	9	0401-0C9C
RESULTANT	E3 P	5	0401-0888
S-HYPHEN	E3 P	12	0400-0FDD
S-PUNC	E3 P	19	0400-16B6
S-SPELL	E3 P	12	0400-0FDE
SMOG SIMULATION	E3 P	7	0401-0A1D
T-HYPHEN	E3 P	6	0400-09C6
T-PUNC	E3 P	19	0400-16B6
T-SPELL	E3 P	19	0400-166C
TICTACARITH!	E3 P	26	0400-1D33
TICTACPET!	E3 P	25	0400-1BED
TRACE.REL	E3 P	14	0401-11E2
UNIVERSAL WEDGE	E3 P	5	0401-08B0
USPOP	E3 P	22	0400-1996
WATER	E3 P	26	0400-1D72
WORLD 2	E3 P	19	0401-1619
YELLOW LIGHT	E3 P	26	0400-1D91
Z-SCORE	E3 P	8	0401-0AF7

TPUG-CEAB 4

80 COLUMN DEMO	E4 P	16	0401-1389
A STORY	E4 P	5	0401-0876
BAIRSTOW NTH EQS	E4 P	6	0401-09AF
BASIC STATISTICS	E4 P	3	0401-0608
BEST FIT(LEAST)	E4 P	3	0401-06E0
COMBINATION WARS	E4 P	28	0401-1ECF
COPY DISK FILES	E4 P	10	0401-0D2D
DRIVING TEST	E4 P	27	0401-1E18
ELEMENT DRILL	E4 P	13	0401-108D
FFT	E4 P	13	0401-106F
FLIGHT SIMULATOR	E4 P	17	0401-14C3
FOREST FIRE	E4 P	12	0401-0F11
FRACTION GAME2.0	E4 P	16	0401-13BE
GRADES	E4 P	9	0401-0C65
GRAPH PLOTTER	E4 P	5	0401-08E0
HANG MATH	E4 P	9	0401-0C30
HANGMAN 3.0	E4 P	24	0401-1AE2
HARMONIC DISPLAY	E4 P	4	0401-073D
HELLO	E4 P	12	0401-0F17
JOTTO	E4 P	17	0401-14D7
JULIAN CALENDER	E4 P	6	0401-09B6
LIFE EXPECTANCY	E4 P	19	0401-15DF
LIFESTYLE	E4 P	23	0401-1AA8
LIN-PRO	E4 P	7	0401-0A74
LISTENER	E4 P	10	0401-0D8B
LONG DIVISION	E4 P	7	0401-0AE5
MARBLESTAT	E4 P	13	0401-1011
MARKS(GRADING AI	E4 P	8	0401-0BE7
METRIC CONVER'N	E4 P	7	0401-0A03
MORSE CODE	E4 P	6	0401-0924
MORSE DECODER	E4 P	12	0401-0F0C
MORTGAGE PRINTER	E4 P	9	0401-0C5F
OPTICAL ILLUSION	E4 P	8	0401-0BA0
POLIFIY	E4 P	11	0401-0DF9
PRIMES	E4 P	2	0401-05AA
PROGRAMMER RPN	E4 P	17	0401-13FE
QUADRATIC	E4 P	3	0401-0601
READABILTY	E4 P	20	0401-177F
REG'D PWR SUP DE	E4 P	28	0401-1F33
ROOT FINDER	E4 P	10	0401-0CFD
SCROLL	E4 P	3	0401-0607
SIM INVENTORY	E4 P	7	0401-0AAE
SIMEQ SOLVER	E4 P	12	0401-0F5B
SIMPLE PENDULUM	E4 P	4	0401-070A

SPEED READ	E4 P	9	0401-0CCA
UNIVERSAL WEDGE	E4 P	5	0401-08B0
WEIGH	E4 P	17	0401-1409
WEIGHT WATCH 4.0	E4 P	18	0401-158C

TPUG-CEAB 5

AMORTIZATION HEL	E5 P	9	0401-0C6D
AUTO FILE WRITER	E5 P	6	0401-0908
BALANCING EQU	E5 P	46	0401-30B2
BIG BINARY	E5 P	3	0401-062D
BONDS	E5 P	9	0401-0C67
DDR	E5 P	13	0401-1041
DEPRECIATE	E5 P	5	0401-08B8
DIET	E5 P	18	0401-1558
EARTHQUAKE	E5 P	25	0401-1C39
EASY EDIT	E5 P	16	0401-1323
ENZYMC	E5 P	10	0401-0D52
FIFO	E5 P	5	0401-084A
GENERAL ANOVA	E5 P	17	0401-1432
HEX DEMO	E5 P	6	0401-09D5
INTRO. JACQUES	E5 P	2	0401-05E0
INTRO. SYLLABLES	E5 P	2	0401-056A
INTRO. TO PERCEN	E5 P	3	0401-061D
JACQUES A	E5 P	56	0401-3AA2
JACQUES B	E5 P	55	0401-3A48
LETTER SEQUENCES	E5 P	12	0401-0F98
LOCKEY	E5 P	16	0401-12F4
MICROSCOPY	E5 P	47	0401-3246
PERCENT	E5 P	20	0401-17A0
PHOSYN	E5 P	17	0401-13E8
SYLLABLES	E5 P	26	0401-1CD1
UNIVERSAL WEDGE	E5 P	5	0401-08B0

TPUG-CEAB 6

8010 MODEM DRIVR	E6 P	47	0401-3200
ADD&SUB	E6 P	28	0401-1ED8
AID2	E6 P	8	0401-0B39
AID4	E6 P	8	0401-0B3B
ALPHA-LIST	E6 P	4	0401-07E7
CBM 8010	E6 P	6	0401-09A7
CHEM NOMINCLATUR	E6 P	12	0401-0F32
COMPOSE	E6 P	18	0401-156A
DATES	E6 P	18	0401-153C
DYNALOGIC	E6 P	30	0401-2102
FACTOR RACE	E6 P	20	0401-17A5
FACTORS	E6 P	13	0401-1068
FRENCH VERBS FWC	E6 P	57	0401-3C45
FUNCTION GRAPH	E6 P	11	0401-0E6A
FWCI INTEGER TTT	E6 P	17	0401-1413
LIFE TABLES	E6 P	10	0401-0D44
PALKO'S AUDIT	E6 P	24	0401-1B4F
RELATION GRAPH	E6 P	14	0401-1114
RELATION SKETCH	E6 P	13	0401-101C
STOCK TICKER	E6 P	28	0401-1ED7
STRUCTURE-BASIC	E6 P	24	0401-1BB5
SUPERMON 2.REL	E6 P	9	0401-0CCB
SUPERMON 4.REL	E6 P	9	0401-0CCB
SUPERMON2/4 INS	E6 P	24	0401-1AF7
TAX 80 ONT V2.0	E6 P	23	0401-1A15
UNIVERSAL WEDGE	E6 P	5	0401-08B0

TPUG-CEAB 7

'PERCENT' DRILL	E7 P	24	0401-1AF2
AFRICAN CAPITALS	E7 P	20	0401-1792
ASIAN CAPITALS	E7 P	19	0401-1602

C-C'S AUST & AME	E7 P	21	0401-187A
C-C'S CAN & EUR	E7 P	21	0401-18D0
CAPITAL CITIES	E7 P	46	0401-30BD
CENTRAL CONICS	E7 P	26	0401-1CF8
DECIMALS	E7 P	17	0401-149C
DIVISION	E7 P	17	0401-14AE
FACTORING DRILL	E7 P	25	0401-1BFB
FACTORING WHOLESE7 P		18	C401-15A0
FLASHER	E7 P	22	0401-18DF
FRACTIONS DRILL	E7 P	25	0401-1BDF
INSTRUCTIONS	E7 P	22	0401-1921
INTEGERS	E7 P	27	0401-1E21
LINEAR SYSTEMS	E7 P	25	0401-1C0D
MAT 250 MLA	E7 P	18	0401-152C
MECHANICS	E7 P	21	0401-18B0
MLA--ARITHMETIC	E7 P	19	0401-16A6
NICE TRIG RATIOS	E7 P	19	0401-1699
PLANES	E7 P	19	0401-1661
POWERS & ROOTS	E7 P	21	0401-18B5
SKELETON DRILL	E7 P	22	0401-18EA
SPELLING DRILL	E7 P	18	0401-156B
STRAIGHT LINE	E7 P	20	0401-1770
U.S. CAPITALS	E7 P	21	0401-180B
UNIVERSAL WEDGE	E7 P	5	0401-08B0
VECTORS	E7 P	17	0401-1426
WHOLE NUMBERS	E7 P	19	0401-1684
WHOLES	E7 P	26	0401-1D77

TPUG-EDUC 2

ANTONYMS!	E8 P	17	0401-14B0
BALANCING EQU	E8 P	46	0401-30B2
BASE CONV.ALT	E8 P	23	0401-19F9
CHEMISTRY CALC	E8 P	12	0401-0F3A
CHICK	E8 P	26	0401-1D16
CHICK RESULTS	E8 P	24	0401-1B8B
DOC-SCARDIAC 7B	E8 P	29	4C70-6869
ENGLISH GRAMMAR	E8 P	25	0401-1C0C
HANGMATH/O'H	E8 P	21	0401-180A
LIMERICKS	E8 P	16	0401-1362
MARTIAN.HUNT	E8 P	26	0401-1D4E
MATH IQ	E8 P	26	0401-1DC0
MELODY CHANGES	E8 P	17	0401-1486
MULT DRILL	E8 P	26	0401-1CD6
PI.CALCULATOR	E8 P	9	0401-0CC7
PICTURES	E8 P	22	0401-19B3
POGO V7	E8 P	22	0401-193D
POGO.INS.WP	E8 P	44	4E00-78A9
PUZZLE.BOX	E8 P	21	0401-1878
PUZZLE.ENTER	E8 P	27	0401-1DD7
RATIONAL	E8 P	9	0401-0C5F
SCARDIAC 7A.INS	E8 P	23	4C70-62F1
SCARDIAC V7	E8 P	21	0401-189F
SOLAR SYSTEM	E8 P	28	0401-1EF3
TRACE.A.WORD	E8 P	19	0401-16B7
TURTLE	E8 P	23	0401-1A63
UNIVERSAL WEDGE	E8 P	5	0401-08B0
WORD LADDER	E8 P	25	0401-1C29
WORD.SEARCH+	E8 P	27	0401-1E15

TPUG-EDUCATION 9

C2 WATER/ZEBRA L	E9 P	44	0401-2F76
CHEMIST	E9 P	11	0401-0E31
COMBINATION WAR!	E9 P	33	0401-2497
DOG BITE	E9 P	28	0401-1EDE
ELEMENT QUIZZER	E9 P	21	0401-189A
ELEMENT QZ 80COL	E9 P	22	0401-1968
ENCHANTED HOUSE!	E9 P	81	0401-53B2
LEMONADE!	E9 P	30	0401-20CF

MARKET NEW	E9 P	22	0401-19A3
MATH QUIZ V2	E9 P	20	0401-1794
MPAK	E9 P	9	0401-0C27
N1 COINS EXERCIS	E9 P	45	0401-3063
NICHE NEW	E9 P	25	0401-1C02
OPERATIONS	E9 P	24	0401-1ADD
PAK JANA	E9 P	21	0401-1826
QUAL INORG ANALY	E9 P	21	0401-1878
S1 COIN LOGIC PU	E9 P	32	0401-2393
SCHOOL-MARM	E9 P	8	0401-0B07
STRUCTURE BASIC	E9 P	27	0401-1E3E
TAX COLLECTOR NE	E9 P	16	0401-12EF
UNIVERSAL WEDGE	E9 P	5	0401-08B0
VOLCANO INSTR	E9 P	26	0401-1D4D
VOLCANO SIM V2	E9 P	28	0401-1EDB
WORD INVADERS	E9 P	27	0401-1E2F
WORD INVADERS2	E9 P	33	0401-23FA

TPUG-SIMULATN 1

ADV30 GAME	G1 P	26	0401-1D64
ADV30 INTRO	G1 P	6	0401-0909
ADVBOOT	G1 P	1	0401-0456
ADVENTURE	G1 P	49	0401-33D6
ADVENTURE GAME	G1 P	26	0401-1D64
ADVENTURE-M.B.	G1 P	9	0401-0C94
ADVF 0	G1 S	9	2,216
ADVF 1	G1 S	5	1,182
ADVF 10	G1 S	2	371
ADVF 11	G1 S	2	395
ADVF 12	G1 S	2	465
ADVF 13	G1 S	2	319
ADVF 2	G1 S	5	1,213
ADVF 20	G1 S	3	564
ADVF 21	G1 S	7	1,563
ADVF 22	G1 S	6	1,414
ADVF 23	G1 S	5	1,226
ADVF 24	G1 S	6	1,512
ADVF 25	G1 S	7	1,558
ADVF 26	G1 S	11	2,622
ADVF 27	G1 S	6	1,303
ADVF 28	G1 S	5	1,208
ADVF 29	G1 S	1	242
ADVF 3	G1 S	4	894
ADVF 31	G1 S	7	1,713
ADVF 4	G1 S	3	743
ADVF 5	G1 S	4	819
ADVF 6	G1 S	6	1,366
ADVF 7	G1 S	3	648
ADVF 8	G1 S	4	807
ADVF 9	G1 S	4	806
ADVITM	G1 S	9	2,113
ADVKEYS	G1 S	8	1,883
ADVMAP	G1 S	21	5,106
ADVSHOR	G1 S	18	4,463
DOG.STAR.ADVEN	G1 P	71	0401-49F3
DUNGEON 1.4	G1 P	26	0401-1D82
DUNGEON.ALT3	G1 P	22	0401-19A4
EXPLORE-BTTRFLD	G1 P	22	0401-19A4
FISHERY	G1 P	20	0401-1771
HAMMURABI	G1 P	12	0401-0FA4
HAMURABI	G1 P	14	0401-1159
KINGDOM/PICS	G1 P	27	0401-1E9D
LIFE	G1 P	11	0401-0E9D
POLUT	G1 P	25	0401-1C45
POWER INSTRUCT	G1 P	21	0401-1873
POWER SIMULATION	G1 P	22	0401-195C
QUEST 3.0	G1 P	39	0401-2AA7
TOMBS A-BNNYCSTL	G1 P	12	0401-0F1D
TOMBS B-BNNYCSTL	G1 P	25	0401-1CC6

TPUG-SPACE GAME1

AFO WITH SOUND	G2 P	25	0401-1CC9
ATARI II	G2 P	14	0401-111B
C.C.STARWAR	G2 P	27	0401-1E32
C.C.STARWAR.INS	G2 P	22	0401-18F3
DEEPSPACE 1.0	G2 P	24	0401-1B7E
EASY.DUNGEON!	G2 P	25	0401-1CC0
ELIZA	G2 P	25	0401-1C1F
HUNTER.SATELLITE	G2 P	13	0401-1090
KLINGON CAPTURE	G2 P	25	0401-1C43
LUNAR LANDER 1	G2 P	11	0401-0E7F
LUNAR LANDER-BFDG2 P		9	0401-0C74
OSC LUNAR	G2 P	27	0401-1E6C
PLANET.PROBE	G2 P	17	0401-146E
SPACESHOOTER.ALT	G2 P	22	0401-1999
STAR TREK	G2 P	23	0401-1ACB
STAR WAR TRANINE	G2 P	16	0401-1381
STAR WARS	G2 P	25	0401-1C81
STAR WARS!	G2 P	15	0401-1247
STARBASE&UFO!	G2 P	26	0401-1CF4
STARTREK V18 #	G2 P	26	0401-1D1D
STARTREK.ALT4	G2 P	25	0401-1C82
SUPER STAR TREK	G2 P	78	0401-511D
SUPERLANDER	G2 P	21	0401-186D
UNIVERSAL WEDGE	G2 P	5	0401-08B0

TPUG-WORD/NUM 1

3D TIC-TAC-TOE	G3 P	17	0401-1497
ANDROID NIM!	G3 P	23	0401-19F9
BAGELS-BUTTRFLD	G3 P	3	0401-06E9
BAGELSX2-BTTRFLD	G3 P	12	0401-0F9E
BINGO	G3 P	11	0401-0E45
BRAIN STRAIN	G3 P	5	0401-08AC
CONCENTRATION.7	G3 P	24	0401-1B89
CRAPS.ODDS	G3 P	16	0401-1327
CRYPTO-BTTRFLD	G3 P	6	0401-09E1
FAMOUS PHRASES	G3 P	13	0401-105D
GUESS IT	G3 P	14	0401-11B7
HANGMAN	G3 P	27	0401-1E83
HANGMAN-2/PETS	G3 P	9	0401-0C6B
HANGMAN.ALT	G3 P	16	0401-13B8
HANGMATH	G3 P	21	0401-1800
JOTTO-BTTRFLD	G3 P	7	0401-0AEA
KENO	G3 P	26	0401-1D33
LETTER.15	G3 P	9	0401-0C85
MAGIC.SQUARE	G3 P	9	0401-0C1A
MASTERMIND	G3 P	23	0401-1A09
MATH IQ	G3 P	26	0401-1DC0
NIM-BUTTRFLD	G3 P	5	0401-085D
PIGS	G3 P	4	0401-07E0
REVERSE-PUNTER	G3 P	9	0401-0C62
REVERSE.#S	G3 P	9	0401-0CDD
SIMON!	G3 P	14	0401-1177
STARS	G3 P	4	0401-07A1
TIC-TAC-TOE 2.0	G3 P	13	0401-100F
UNIVERSAL WEDGE	G3 P	5	0401-08B0

TPUG-GAMES 1

AIRPLANE	G4 P	23	0401-1AB4
ARROW-BTTRFLD	G4 P	7	0401-0A48
AWARI	G4 P	14	0401-1180
BATTLESHIPS	G4 P	14	0401-1198
BL JACK-PUNTER	G4 P	15	0401-1240
BLACK BOX!	G4 P	22	0401-191F
BLACK JACK 4.1	G4 P	20	033A-166D
BLACKJACK!!	G4 P	18	0401-1582
BOMBER	G4 P	13	0401-1008
BOWLING	G4 P	10	0401-0DD5
BREAKOUT	G4 P	7	0401-0AAB

CHASE/ROBOT (TPUG-GAMES 1 cont.)

CHASE/ROBOT	G4 P	10	0401-0DB5
CHECKERS 1	G4 P	12	0401-0EF0
CHECKERS 2	G4 P	10	0401-0D4F
DAMBUSTERS	G4 P	25	0401-1C22
DEFLECTION	G4 P	9	0401-0C9D
DUCKSHOOT	G4 P	14	0401-111E
FLIGHT SIMULATOR	G4 P	17	0401-14A7
GO-MOKU	G4 P	14	0401-1176
HORSE RACE	G4 P	19	0401-16D8
INSP. CLEW-SO	G4 P	22	0401-19C2
KENTUCKY DERBY	G4 P	14	0401-11CC
LABYRINTH	G4 P	52	0401-369F
LIFE WAR	G4 P	6	0401-0999
MOTORCYCLE	G4 P	10	0401-0D60
OTHELLO	G4 P	25	0401-1C61
PETALS ARND ROSE	G4 P	17	0401-14D5
PINBALL	G4 P	24	0401-1B22
POKER-PUNTER	G4 P	25	0401-1C45
PRO FOOTBALL	G4 P	27	0401-1DDD
RACETRACK	G4 P	11	0401-0ED8
ROBOT CHASE!	G4 P	24	0401-1BC7
ROULETTE	G4 P	6	0401-099C
SKI	G4 P	4	0401-076B
SNAKES!	G4 P	8	0401-0B3F
SOLITAIRE-PUNTER	G4 P	25	0401-1C8B
TARGET-BUTTRFLD	G4 P	11	0401-0E52
TOKER	G4 P	27	0401-1E23
UNIVERSAL WEDGE	G4 P	5	0401-08B0

TPUG-GAMES 2

ANTI-AIR/BUS	G5 P	13	0401-100E
ARROW	G5 P	7	0401-0AEF
BATTLESHIP.ALT2	G5 P	18	0401-151E
BILLIARDS!	G5 P	25	0401-1BED
BREAKOUT	G5 P	16	0401-1332
CARD SNAP	G5 P	22	0401-19BF
CARDS UTILITY	G5 P	11	0401-0DF5
CLOUZOT!	G5 P	21	0401-17F5
CLUE	G5 P	23	0401-19DC
CONCENTRATION	G5 P	24	0401-1B96
DEPTH CHARGE	G5 P	18	0401-155E
DICE.PIG	G5 P	13	0401-10CC
DOMINOES	G5 P	19	0401-15F6
DRAGON.MAZE!	G5 P	21	0401-1876
DRAW.POKER	G5 P	23	0401-1A77
FAWLTY	G5 P	14	0401-1198
FIND.COLOR	G5 P	11	0401-0E6D
GRUNGY TOWERS	G5 P	20	0401-177E
GUNNER	G5 P	24	0401-1B15
KILLER BUNNIES	G5 P	29	0401-1FF0
M.B.INSTRUCTIONS	G5 P	15	0401-1202
MADMAN.RACE	G5 P	23	0401-1A2D
MILLE BOURNE	G5 P	25	0401-1C90
MOUSEMAZE	G5 P	13	0401-1076
MOVMAZE1	G5 P	6	0401-0922
MOVMAZE2	G5 P	8	0401-0BB2
OSERO	G5 P	20	0401-175F
OTHELLO	G5 P	29	0401-2000
QUANDRY	G5 P	25	0401-1C9A
QUBIC.ALT	G5 P	16	0401-1384
SNAKE 2	G5 P	18	0401-159D
SNAKE.ALT	G5 P	18	0401-159D
SPADE.INSTRUCTS	G5 P	9	0401-0C03
SPADES	G5 P	24	0401-1B74
SUBMARINE!	G5 P	25	0401-1C6D
TARGET	G5 P	11	0401-0DF6
UNIVERSAL WEDGE	G5 P	5	0401-08B0

TPUG-GAMES 3

ARTILLERY TRAP	G6 P	11	0401-0E69
AWARI	G6 P	17	0401-13E0
BASKETBALL	G6 P	16	0401-1380
BILLIARDS	G6 P	10	0401-0D53
BLACKBOX	G6 P	26	0401-1D3B
BLACKJACK.ALT	G6 P	20	0401-16E3
BOGGLE	G6 P	9	0401-0C81
BOMBER.ALT	G6 P	13	0401-106A
BOWLING	G6 P	25	0401-1CC3
BOXING	G6 P	11	0401-0EC5
BREAKOUT 3.1	G6 P	6	0401-09C6
BRIDGE BID TRAIN	G6 P	23	0401-1A20
CHECKERS.ALT	G6 P	25	0401-1C7C
DOT RACER	G6 P	14	0401-10F4
GOLF	G6 P	20	0401-16DA
HORSERACE	G6 P	23	0401-1A56
HORSES	G6 P	12	0401-0F6E
HURKLE	G6 P	6	0401-09D7
IAN'S RACE (N)	G6 P	17	0401-1437
KNIGHT.TOUR.SOL	G6 P	19	0401-15FD
MUGWUMP	G6 P	23	0401-1ACD
PONG	G6 P	6	0401-0979
POP SHOT	G6 P	9	0401-0C46
QUBIC	G6 P	17	0401-13EE
REFLECTIONS	G6 P	9	0401-0C13
ROAD RALLY	G6 P	14	0401-1137
SIMON	G6 P	6	0401-0953
SINNERS	G6 P	16	0401-136D
SLOTS/JACKPOT	G6 P	20	0401-1789
SNOWFLAKE	G6 P	11	0401-0E7B
SOLITAIRE POKER	G6 P	22	0401-196A
SUBMARINE	G6 P	25	0401-1C18
T.TENNIS	G6 P	14	0401-1197
TAG	G6 P	14	0401-11D4
TANK.BATTLE	G6 P	21	0401-183F
TANK.WAR.ALT	G6 P	20	0401-17C6
TORPEDO.BOMBER	G6 P	6	0401-09D2
TREES	G6 P	24	0401-1B24
UNIVERSAL WEDGE	G6 P	5	0401-08B0
WEIGH	G6 P	17	0401-1409
WUMPUS.ALT	G6 P	19	0401-164B
YAHTZEE	G6 P	22	0401-192E

TPUG-SIMULATN 2

ADV9 0	G7 S	9	2,213
ADV9 1	G7 S	5	1,184
ADV9 10	G7 S	2	372
ADV9 11	G7 S	2	396
ADV9 12	G7 S	2	466
ADV9 13	G7 S	2	320
ADV9 2	G7 S	5	1,213
ADV9 20	G7 S	3	566
ADV9 21	G7 S	7	1,567
ADV9 22	G7 S	6	1,415
ADV9 23	G7 S	5	1,226
ADV9 24	G7 S	6	1,514
ADV9 25	G7 S	7	1,561
ADV9 26	G7 S	11	2,612
ADV9 27	G7 S	6	1,303
ADV9 28	G7 S	5	1,211
ADV9 29	G7 S	1	244
ADV9 3	G7 S	4	895
ADV9 31	G7 S	7	1,713
ADV9 4	G7 S	3	745
ADV9 5	G7 S	4	816
ADV9 6	G7 S	6	1,367
ADV9 7	G7 S	3	649
ADV9 8	G7 S	4	808
ADV9 9	G7 S	4	806

ADVENTURE80	G7 P	49	0401-33F9
ADVITM	G7 S	9	2,113
ADVKEYS	G7 S	8	1,883
ADVMAP	G7 S	21	5,106
ADVSH8	G7 S	18	4,408
ADVSH9	G7 S	18	4,463
AFRICAN ADV-32K	G7 P	91	0401-5D75
BABY CARE	G7 P	12	0401-0F79
HS.OF.7.GABLES	G7 P	47	0401-323B
LOST DUTCH GOLD	G7 P	50	0401-356C
NEW ROM WARLORDS	G7 P	22	0401-1979
NEW WARLORDS INS	G7 P	25	0401-1C11
NEW WATER	G7 P	27	0401-1DE9
NICHE	G7 P	25	0401-1C41
OLD ROM WARLORDS	G7 P	22	0401-1993
OLD WARLORDS INS	G7 P	25	0401-1C11
SPELUNKER	G7 P	38	0401-2983
SWORDS & SORCERY	G7 P	28	0401-1ED4
UNIVERSAL WEDGE	G7 P	5	0401-08B0

TPUG-GAMES 4

BREAK80	G8 P	7	0401-0A7C
BREAKOUT	G8 P	7	0401-0A71
CAR RACE 4.0	G8 P	20	033A-1680
CRAZY 8'S	G8 P	16	0401-133C
MISSION IMP	G8 P	24	0401-1B37
MONOPOLY	G8 P	93	0401-5FB2
ROULETTE	G8 P	58	027A-3B26
STOCK	G8 P	23	0401-1A96
STOCK 80 COL	G8 P	23	0401-1AA7
UNIVERSAL WEDGE	G8 P	5	0401-08B0

TPUG-SIMULATN 3

CASTLE ADV-32K	G9 P	75	0401-4D92
KING.TUT	G9 P	60	0401-3EA5
OHARE'S #1	G9 P	67	0401-4666
OHARE'S #2	G9 P	66	0401-4570
OHARE'S #3	G9 P	86	0401-5940
SORCERERS.CASTLE	G9 P	55	0401-39A4
TRIP TO ATLANTIS	G9 P	58	0401-3D74
UNIVERSAL WEDGE	G9 P	5	0401-08B0
WIZARD'S.CASTLE	G9 P	60	0401-3EC9

TPUG - GAMES 5

ASTEROIDS	GA P	22	0401-1980
BASEBALL 7.3	GA P	26	0401-1D1B
BLACKJACK 80 COL	GA P	13	0401-0FF2
BLOCKADE	GA P	26	0401-1D22
CONNECT 4	GA P	27	0401-1DF8
CYCLE JMP 80 COL	GA P	9	0401-0C64
DRAG RACE 80 COL	GA P	15	0401-122A
MONOPOLY	GA P	51	0401-3693
PET NUC PWR PLNT	GA P	60	0401-3F46
PETMAN 5	GA P	23	0401-1A0B
PI HUNT	GA P	17	0401-1408
PINBALL	GA P	24	0401-1B64
PIRATE ADVENTURE	GA P	69	0401-47C2
SEABATTLE	GA P	47	0401-3240
SEABATTLE INST	GA P	23	0401-1A5E
SLOT MACH 80 COL	GA P	6	0401-09E3
SUPERTREK/16KNR	GA P	51	0401-35FB
UNIVERSAL WEDGE	GA P	5	0401-08B0
WILL O' WISP	GA P	114	0401-7441

TPUG - GAMES 6

BATTLESHIP	GBP	16	0401-1393
BIG LETTER BOGGL	GBP	17	0401-14AB
CONCORD LANDER	GBP	27	0401-1E39
CROSS WORD	GBP	34	0401-24C1
DRAGSTER	GBP	12	0401-0F4F
HANGMAN 7	GBP	19	0401-1678
JUMBO JET LANDER	GBP	24	0401-1B38
QUBIC 4	GBP	20	0401-17B7
RAGING ROBOTS 4	GBP	13	0401-109A
SLEUTH	GBP	26	0401-1D39
STOCK MARKET!	GBP	62	0401-4163
SUPER 9X9	GBP	19	0401-1684
UNIVERSAL WEDGE	GBP	5	0401-08B0
WUMPUS II	GBP	31	0401-222A
YAHTZEE IV	GBP	23	0401-1AA6
YOTE	GBP	19	0401-167B

TPUG-LANGUAGE 1

AUNTIE	L1	P	14	093B-1638
BINSEARCH	L1	P	2	0145-02F1
COMAL EXPLAIN	L1	P	31	0401-22AB
COMAL80	L1	P	106	0401-6D00
COMAL80+	L1	P	109	0401-7000
COMALERRORS	L1	S	4	910
CORRECTIONS	L1	P	13	0855-152D
DELETE	L1	P	13	0792-13A7
DELREC	L1	P	13	0792-13A7
DISK	L1	P	6	052C-0AB4
DOUBLE	L1	P	2	0107-0225
ENROLL	L1	P	12	074C-12D1
ENTERMARKS	L1	P	12	06F5-1231
EUCLID	L1	P	3	0290-0577
FIXPERMUT	L1	P	2	0167-02EC
FORWARD	L1	P	1	00DE-01D3
GENERRORS-D	L1	P	7	0401-0A1F
GENERRORS-E	L1	P	6	0401-09DB
GROWSTRING	L1	P	1	00DC-01D4
HANNIBAL	L1	P	7	053E-0BC2
IFTEST	L1	P	1	0086-012B
KEYS	L1	S	1	75
LOCAL VAR	L1	P	1	0059-00DE
MAX01	L1	P	4	02B9-05F7
NYKLUB	L1	P	5	0457-08DB
NYLISTMEDL	L1	P	8	05AB-0D35
NYOPRET	L1	P	15	0C8C-1B41
NYRETTE	L1	P	14	0B6F-194F
NYSLETMEDL	L1	P	11	0838-12EF
NYVISMEDL	L1	P	9	06D1-0F65
OLSENMAIN	L1	P	3	01FE-041A
OTHELINSTR	L1	P	6	04D2-09D5
OTHELLO	L1	P	17	0D36-1D42
PGR05	L1	P	3	0225-04C9
PRINTOUT	L1	P	12	0739-12DA
QUEENS	L1	P	3	0232-04C5
QUICKSORT	L1	P	3	024F-0503
SQRT	L1	P	1	00AD-019B
STARTOTHELLO	L1	P	1	00E6-01D9
STRIPVAR	L1	P	1	3030-30AA
TEXTSTAT01	L1	P	7	057F-0BE6
TEXTSTAT02	L1	P	7	0577-0BE3
UNIVERSAL WEDGE	L1	P	5	0401-08B0
VDU	L1	P	1	0401-045F
WINDOW	L1	P	11	06A1-1189

TPUG-MATH/SCI 1

3D PLOT	N1	P	27	0401-1DE3
BIOPRINTER 6.3	N1	P	17	0401-13FC
BIORHYTHM 1.5	N1	P	8	0401-0BD1
CHI SQUARE	N1	P	3	0401-06B9
CRITICAL PATH 2A	N1	P	5	0401-08C7
CROUT ALGORITHM	N1	P	5	0401-07FD
CURFIT-BTTRFLD	N1	P	8	0401-0BA4
DEMO SORT	N1	P	9	0401-0BF1
DERIVATIVE	N1	P	2	0401-058E
EDU-TILITIES	N1	P	27	0401-1E0B
ELECTRONICS.CALC	N1	P	15	0401-1222
FACTORS-BTTRFLD	N1	P	4	0401-078B
FUNCTION.MACHINE	N1	P	23	0401-1AB3
GLOBAL	N1	P	6	0401-09C5
GRAPHICS.DEMOS-G	N1	P	19	0401-1676
HEAPSORT DEMO	N1	P	6	0401-092E
INTERMOD	N1	P	15	0401-12BC
LAT+LON.DISTANCE	N1	P	6	0401-09C5
LEAST SQUARES	N1	P	20	0401-1724
LIFE EXPECTANCY	N1	P	19	0401-15DF
LISTENER	N1	P	10	0401-0D8B
MATH TEST-BTTRFL	N1	P	9	0401-0C39
METRIC CONVER'N	N1	P	7	0401-0A03
METRIC TEACHER	N1	P	12	0401-0F8C
METRIC-BTTRFLD	N1	P	6	0401-095E
NATAL CHART	N1	P	64	0401-4346
NEWTONS ZERO	N1	P	3	0401-069B
OHMS LAW	N1	P	17	0401-14C8
PLANET POSITION3	N1	P	69	0401-47A9
PLOTTING	N1	P	9	0401-0CEB
POLIFIY	N1	P	2	0000-00FD
PRESSURE CURVE	N1	P	9	0401-0C92
PROGRAMMER RPN	N1	P	17	0401-13FE
QUADRATIC	N1	P	2	0401-05F4
QUARTIC	N1	P	21	0401-17E6
RANK CORRELATE	N1	P	2	0401-05EB
REDUCTION	N1	P	4	0401-077F
REG'D PWR SUP DE	N1	P	28	0401-1F33
ROOT FINDER	N1	P	10	0401-0CFD
ROULETTE.THEORY	N1	P	5	0401-0877
SIMEQ SOLVER	N1	P	12	0401-0F5B
SORT	N1	P	3	0401-068D
SORTING DEMO	N1	P	8	0401-0BCC
SQUARE ROOT TEST	N1	P	3	0401-06A2
TREND-BTTRFLD	N1	P	10	0401-0D02
TRIANGLE-BTTRFLD	N1	P	9	0401-0CDA
UNIVERSAL WEDGE	N1	P	5	0401-08B0
WEATHERMAN	N1	P	13	0401-10D0
WEIGHT WATCH 4.0	N1	P	18	0401-158C

TPUG-MATH/SCI 2

AUDIO DESIGNER	N2	P	17	0401-1482
BAR GRAPH 24	N2	P	21	0401-185C
BONE TUMOR DIAGN	N2	P	17	0401-14CB
COMPLEX NUMBERS	N2	P	9	0401-0C2C
CRYPTARITHMETIC	N2	P	10	0401-0D55
FILTER	N2	P	10	0401-0D60
FREQ GENERATOR!	N2	P	25	0401-1C49
NET1	N2	P	21	0401-189B
PHYSIOLOGIC WT	N2	P	14	0401-11B8
PLEURAL EFFUSION	N2	P	13	0401-10C6
POWER SUPPLY	N2	P	22	0401-19BC
UNIVERSAL WEDGE	N2	P	5	0401-08B0

TPUG-MATH/SCI 3

CONVERSIONS A	N3 P	45	0401-2FC5
CONVERSIONS B	N3 P	43	0401-2E07
FAMILY GENES	N3 P	34	0401-254D
PLANETS	N3 P	69	0401-47A8
SUNRISE/SUNSET	N3 P	14	0401-1138
TANK VOLUME	N3 P	5	0401-0808
TRAVERSE	N3 P	26	0401-1DA4
UNIVERSAL WEDGE	N3 P	5	0401-08B0
WEATHERCAST	N3 P	25	0401-1C5E

TPUG-MUSIC 1

1950'S MEDLEY!	S1 P	13	0F00-1BD9
76 TROMBONES!	S1 P	10	0F00-1845
ALLELUJAH!	S1 P	9	0F00-1740
BAROQUE FANFARE!	S1 P	4	0F00-12B0
BUMBLE BEE!	S1 P	12	0F00-1A43
COPY ALL	S1 P	8	0401-0B6D
DANSE CAPRICE	S1 P	4	0F00-12E5
DUELIN' BANJOS	S1 P	12	0F00-1AD3
ELEANOR RIGBY	S1 P	15	0400-1250
ELEPHANT	S1 P	16	0400-1328
ESPANA	S1 P	4	0F00-122B
FUGHETTA	S1 P	10	0F00-1830
GAVOTTE&MUSETTE	S1 P	12	0F00-1A94
INVENTION #11!	S1 P	6	0F00-14CF
INVENTION #8!	S1 P	9	0F00-179E
JINGLE BELLS!	S1 P	4	0F00-1295
JOPLIN MUSIC	S1 P	7	0401-0A78
LP:NEW ROM MUSIC	S1 P	12	0401-0F00
MARCH IN D!	S1 P	5	0F00-1335
MARCHE MILITAIRE	S1 P	11	0F00-199F
MINUET IN G	S1 P	4	0F00-127C
MINUTE WALTZ	S1 P	8	0F00-161A
MUSIC BOX DANCER	S1 P	5	0F00-1348
MUSIC/OLD ROM	S1 P	12	0401-0F00
PALINDROME	S1 P	7	0F00-15D7
PETSONG	S1 P	13	0401-1094
PETSONG 1	S1 P	13	0401-1011
PETSONG 2	S1 P	10	0401-0D88
PETSONG-BACH	S1 P	17	0401-148D
POLONAISE IN BFL	S1 P	4	0F00-1273
PREL & FUGUE #2	S1 P	15	0F00-1D00
REEL	S1 P	10	0F00-18AE
SILENCE	S1 P	17	0400-14A8
SINFONIA!	S1 P	9	0F00-1709
SONATA L.82	S1 P	8	0F00-163C
SOUND.DEMO!	S1 P	19	0401-1624
SOUND.INFO!	S1 P	18	0401-1536
SOUNDS TAPS CB2	S1 P	3	0401-06AA
SPRING SONG	S1 P	15	0F00-1DD6
STAIRWAY	S1 P	18	0400-14E8
STARSPGL BANNER!	S1 P	4	0F00-11FA
TARANTELA	S1 P	5	0F00-13D9
THE ENTERTAINER!	S1 P	9	0F00-17A8
THE PROMENADE	S1 P	5	0F00-13A3
THREE TUNES	S1 P	13	0F00-1BBC
UNIVERSAL WEDGE	S1 P	5	0401-08B0
WASHINGTON.POST!	S1 P	9	0401-0BF0
WATER MUSIC!	S1 P	4	0F00-1290
WELL TEMPERED	S1 P	12	0F00-1AB0
WHEN I'M 64!	S1 P	6	0F00-1438
WONDERLAND!	S1 P	4	0F00-1240

TPUG-UTILITY 1

(32K)BASIC-AID	U1 P	9	7000-7800
AID 2.1	U1 P	13	7000-7C4F
AID INSTR7.6	U1 P	42	0401-2D6E

AID4	U1 P	8	0401-0B3B
APPEND/RENUM.REL	U1 P	14	0401-11C6
BASIC.AID.EXE	U1 P	11	0400-0E00
BL GET @$033A	U1 P	1	033A-0393
BLOCK GET 1.0	U1 P	2	0401-05BF
CASSETTE.TO.DISK	U1 P	7	0401-09F7
CATALOG	U1 P	8	0401-0BBC
COMPACTOR	U1 P	24	0401-1B8E
COPY ALL	U1 P	8	0401-0B6D
COPYCAT!SYS934	U1 P	1	0366-0400
COPYCAT'SYS934	U1 P	1	0366-0400
COPYDISK/SYS973	U1 P	1	0349-0400
COPYPROG	U1 P	3	0349-0627
CROSS-REF	U1 P	7	0401-0A60
DATAMAKER	U1 P	2	0401-05A2
DEMO	U1 P	20	0401-1735
DESCENDERS/2022	U1 P	4	0401-07F4
DIR.ACCESS.S/R'S	U1 P	7	0401-09F8
DISK APPEND	U1 P	1	033A-037A
DISK APPEND-M.B.	U1 P	7	0401-0A3F
DISK ID CORRCTOR	U1 P	5	0401-08B4
DISK LOGGER	U1 P	7	0401-09FB
DISK MOD/V1	U1 P	6	0401-0926
DISK NAME (R)	U1 P	7	0401-0AA5
DISK PEEK	U1 P	5	0401-08B8
DISK VIEW	U1 P	5	0401-0885
DUMP SEQ FILE	U1 P	2	0401-0592
EXTRAMON INST	U1 P	33	0401-2404
EXTRAMON.4.0B	U1 P	9	1000-1800
EXTRAMON.4.0G	U1 P	9	1000-17FF
EXTRAMON9B@$1000	U1 P	9	1000-17EF
EXTRAMON9G@$1000	U1 P	9	1000-1800
FLOPPY.DISPLAY	U1 P	26	0401-1DC6
INS/DEL DEMO	U1 P	14	0401-1176
JOYSTICK.CRSRS	U1 P	7	0401-0A1A
JOYSTICK.CTLR.	U1 P	18	0401-15CD
KEYMAKE	U1 P	4	0401-079B
KEYPRINT/826	U1 P	1	033A-03CB
KEYSORT.DEMO1	U1 P	3	0401-0613
KEYSORT.DEMO2	U1 P	6	0401-09A3
KEYSORT.EXE16/32	U1 P	4	3C54-3FDB
KEYSORT.EXE8K	U1 P	4	1C54-1FDB
KEYSORT2@1C54	U1 P	4	1C54-2000
KEYSORT2@7454	U1 P	4	7454-7801
KEYSORT2-1DEMO	U1 P	1	0401-04FA
LIST GP2	U1 P	2	7530-76CF
LIST LP2	U1 P	2	7530-76F0
LIST LP2X	U1 P	3	7530-7740
LIST LP4	U1 P	2	7530-76FF
LIST LT2	U1 P	2	7530-76DF
LIST LT2X	U1 P	3	7530-772F
LOW CASE LIST	U1 P	1	033A-03D6
MAE/DOS FOR 4.0	U1 P	7	0400-0AED
PORT.DISPLAY	U1 P	11	0401-0EDA
PRINT USING	U1 P	2	0401-05E9
RAMTEST@$500	U1 P	1	0500-05E4
READ-WRITE.S/R'S	U1 P	8	0401-0B84
READ.LINK	U1 P	3	0401-060E
RELREAD	U1 P	1	0401-04A6
ROM TEST--BTFLD	U1 P	4	0401-0798
SCREEN PRINT	U1 P	1	033A-03B4
SEARCH	U1 P	3	0401-06D1
SUPERMON1.REL	U1 P	13	0401-1011
SUPERMON1/2/4INS	U1 P	24	0401-1AFA
SUPERMON2REL	U1 P	9	0401-0CCB
SUPERMON4.REL	U1 P	9	0401-0CCB
TAPE TEST #	U1 P	2	0401-05B7
TAPE WRITE (#)	U1 P	2	0401-05F7
TAPE.TO.DISK	U1 P	8	0401-0B00
TRACE.REL(BASIC)	U1 P	14	0401-11E2
UN-NEW/SYS826	U1 P	1	033A-0378
UNIVERSAL WEDGE	U1 P	5	0401-08B0
USER.COOKBOOK	U1 P	8	0401-0B52
UTILITY 2.0	U1 P	18	0401-1571
UTILITY 4.0	U1 P	20	0401-17C3

UTINSEL.REL	U1 P	7	0401–0A0B
V40.2.B	U1 P	5	7B00–7F80
V40.4.B	U1 P	5	7B00–7F80
V80.4.B	U1 P	5	7B00–7F28
VIEW BAM	U1 P	5	0401–08ED
WP TO UPPER	U1 P	1	0401–04CB

TPUG-UTILITY 2

8K	U2 P	24	0401–1B31
AID INSTRUCTIONS	U2 P	6	0401–0914
BAID.X$9000@2000	U2 P	17	2000–3000
BAID4.INS	U2 P	10	0401–0D29
BAID4B@$7000	U2 P	17	7000–8000
BAM MAP CBMDSK	U2 P	16	0401–1324
BASIC AID 4	U2 P	11	7000–7A3A
CBM 4032	U2 P	4	0400–07A8
COPY ALL	U2 P	8	0401–0B6D
DISC MERGE/BASIC	U2 P	10	0401–0D58
DISK LOGGER	U2 P	9	0401–0C48
DUMP2	U2 P	1	033A–03C3
DUMP4	U2 P	1	033A–03C3
ERIC ASSM	U2 P	25	0401–1C39
GRAPHICS-DEMO	U2 P	22	0401–19C3
GRAPHICS-LOADER	U2 P	21	0401–17ED
GRAPHIX INSTR	U2 P	17	0401–14DC
KEYPRINT2	U2 P	1	033A–03CC
KEYPRINT4@826	U2 P	1	033A–03CB
LISTER	U2 P	6	0401–09BE
LOCKSMITH	U2 P	8	0100–083A
LOWER CASE LIST	U2 P	8	0401–0B27
MICMON4B9@1	U2 P	17	1000–2000
MICMON4B@4096	U2 P	17	1000–2000
MICROMON.INS	U2 P	27	0401–1DD3
MICROMON@4096	U2 P	14	1000–1D43
MINI-COMPILER	U2 P	23	0401–19E2
RELREAD	U2 P	1	0401–04A6
SCREEN DUMP	U2 P	4	0401–071E
SHIFT UP-LOW CAS	U2 P	3	0401–066A
SUPERMON1.REL	U2 P	13	0401–1011
SUPERMON1/2/4INS	U2 P	24	0401–1AFA
SUPERMON2.REL	U2 P	9	0401–0CCB
SUPERMON4.REL	U2 P	9	0401–0CCB
TAPE GRAPH 21S	U2 P	6	0401–0900
TAPE GRAPH# ROM	U2 P	6	0401–0900
TINY FORTH NOTES	U2 P	25	0401–1C39
TINY FORTH TCHR	U2 P	27	0401–1DE3
TINY.PILOT.EXE	U2 P	7	4FF0–5657
TINY.PILOT.INS	U2 P	13	0401–1066
UNASSEMBLER.CBM	U2 P	26	0401–1D75
UNASSEMBLER.MAE	U2 P	32	0401–22DA
UNIVERSAL WEDGE	U2 P	5	0401–08B0
UNLIST	U2 P	5	0401–0885

TPUG-UTILITY 3

8K	U3 P	24	0401–1B31
APPLESOFT LOADER	U3 P	5	0401–0804
AX-REF/SYS24576	U3 P	4	6000–6330
BAID4.EXE9@4	U3 P	17	4000–5000
BAID4.INS	U3 P	10	0401–0D29
BUILD HELLO	U3 P	4	0401–0734
CATALOG+6	U3 P	12	0401–0F80
CHANGE/LADR.BAS	U3 P	5	0401–08BB
CONTENTS	U3 P	14	0401–11DB
COPY ALL	U3 P	8	0401–0B6D
CROSS REF	U3 P	8	0401–0B8E
CRUNCH	U3 P	11	0401–0E11
CRUNCH2	U3 P	11	0401–0E11
CRUNCH4.0	U3 P	11	0401–0E56
DEC->FLOATING PT	U3 P	4	0401–07A5
DEFINE PTR. CHAR	U3 P	8	0401–0B20
DISK DOCTOR	U3 P	14	033A–106B
DISK DOCUMENTER	U3 P	9	0401–0C07

EASY EDIT/C	U3 P	14	0401–1146
EASY EDIT/DISK	U3 P	16	0401–1322
EASY EDIT/TAPE	U3 P	15	0401–1253
ERIC ASSM	U3 P	25	0401–1C39
EXEC HELLO	U3 P	2	6400–659F
EXTRA INSTR.	U3 P	36	0401–26F1
EXTRAMON9B(2)	U3 P	9	1000–1800
EXTRAMON9B(4)	U3 P	9	1000–1800
EXTRAMON9G(2)	U3 P	9	1000–1800
EXTRAMON9G(4)	U3 P	9	1000–1800
FAST SKIP 2022	U3 P	4	0401–0717
HELLO	U3 P	1	3000–3033
INSIDE.DOS1&2	U3 P	6	0401–0984
JEM SYS4111%	U3 P	24	0401–1B01
JEM.INS	U3 P	40	0401–2B16
LC LISTER INST	U3 P	3	0401–06F2
LIST DUPLICATES	U3 P	12	0401–0F2E
LITTLEMON.INS.WP	U3 P	11	47D0–5271
MASTER+6	U3 P	11	0401–0E2A
MASTER+6d	U3 P	13	0401–100A
MICROMONB.INS+	U3 P	31	0401–21EA
MICROMONB@$1	U3 P	14	1000–1D7F
MXCL	U3 P	5	7800–7C20
NECCL	U3 P	5	7800–7C1F
PAGE1 EZE EDIT	U3 S	9	2,086
PAGE2 EZE EDIT	U3 S	9	2,267
PAGE3 EZE EDIT	U3 S	9	2,285
PAGE4 EZE EDIT	U3 S	10	2,375
PAGE5 EZE EDIT	U3 S	10	2,304
PAGE6 EZE EDIT	U3 S	7	1,694
QUADRA-PET	U3 P	3	0401–06B4
SEARCH+6	U3 P	4	0401–0726
SIGNON	U3 P	1	0401–04A0
STACK SNIFFER	U3 P	4	0401–075C
STRINGTHING.BIN	U3 P	2	7F02–8000
SYMBOLIC.DISASS	U3 P	16	0401–133F
TINY MUSIC	U3 P	15	0401–120F
UNIVERSAL WEDGE	U3 P	5	0401–08B0
USEIZE.WP	U3 P	16	4D20–5C21
WPRO BUSTER	U3 P	7	0401–0A0B

TPUG-UTILITY 4

BAID INST	U4 P	11	0401–0E21
BAID240AB	U4 P	17	0400–14B5
BAID240CB	U4 P	17	0400–14D1
BAID440AB	U4 P	17	0400–14B5
BAID440CB	U4 P	14	0400–11E2
BAID480AB	U4 P	17	0400–14B5
BAID480CB	U4 P	17	0400–14D1
CASS.LABELER	U4 P	15	0401–1275
CBM 4032 V2	U4 P	4	0401–07A8
COPY ALL	U4 P	8	0401–0B6D
COPY/ALL	U4 P	10	0401–0D85
DELETE ALL	U4 P	7	0401–0ABA
DIR CATALOG	U4 P	14	0401–10F6
DIR LOADER 2.0	U4 P	18	0401–159B
DIR LOADER 4.0	U4 P	21	0401–18B4
DIR MERGE	U4 P	6	0401–097D
DIR PRINT	U4 P	9	0401–0C04
DIR UPDATE	U4 P	18	0401–14F7
EP4 SYS32000/1	U4 P	2	7D00–7EDF
EP4XSYS32000/1	U4 P	3	7D00–7F3F
FILE MOVER	U4 P	4	0401–079D
GRAPH SUBS	U4 P	5	0401–08A3
GRAPHICS	U4 P	8	0401–0B89
KUSTOM KEY	U4 P	3	0401–0609
TAPE LABEL	U4 P	10	0401–0DB3
UNIVERSAL WEDGE	U4 P	5	0401–08B0
VARIABLE RANDOM	U4 P	13	0401–105B
VIA SCANNER	U4 P	12	0401–0FA9

TPUG-UTILITIES 5

BACKUP 2031 1.0	U5 P	15	0401-1280
BAID240A	U5 P	17	0401-14D8
BAID240C	U5 P	17	0401-14D8
BAID440A	U5 P	17	0401-14D8
BAID440C	U5 P	17	0401-14D8
BAID480A	U5 P	17	0401-14DA
BAID480C	U5 P	17	0401-14DA
BAID4F40A	U5 P	17	0401-14D8
BAID4F40C	U5 P	17	0401-14D8
BASIC-AID.INST1	U5 P	29	53C8-7061
BASIC-AID.INST2	U5 P	35	53C8-75B1
CBM 4032 V2	U5 P	4	0401-07A8
COPY ALL	U5 P	8	0401-0B6D
COPY/ALL	U5 P	10	0401-0D85
DELETE ALL	U5 P	7	0401-0ABA
DIR CATALOG	U5 P	14	0401-10F6
DIR LOADER 2.0	U5 P	18	0401-159B
DIR LOADER 4.0	U5 P	21	0401-18B4
DIR MERGE	U5 P	6	0401-097D
DIR PRINT	U5 P	9	0401-0C04
DIR UPDATE	U5 P	18	0401-14F7
EP4 SYS32000/1	U5 P	2	7D00-7EDF
EP4XSYS32000/1	U5 P	3	7D00-7F3F
EXTRA INSTR.	U5 P	36	0401-26F1
EXTRAMON9B(2)	U5 P	9	1000-1800
EXTRAMON9B(4)	U5 P	9	1000-1800
EXTRAMON9G(2)	U5 P	9	1000-1800
EXTRAMON9G(4)	U5 P	9	1000-1800
HI MEMORY106	U5 P	6	7B00-7FFE
IEEE VIEW	U5 P	12	0401-0F01
INSTRUCTIONS#7	U5 P	13	0401-1076
MERGE 4.0	U5 P	1	7D00-7DCB
MERGE 4.0 INST	U5 P	3	0401-0656
MICROMON80@$1000	U5 P	17	1000-2000
MICROMON80@$7000	U5 P	17	7000-8000
MICROMON@$1000	U5 P	17	1000-2000
MICROMON@$7000	U5 P	17	7000-8000
POWER MOD	U5 P	2	0401-05CC
READ WP TAPE2040	U5 P	27	0401-1DE1
READ WP2040	U5 P	27	0401-1DDA
SET/RESET DEMO	U5 P	4	0401-077F
SET/RESET.REL	U5 P	7	0401-0A68
TAPE-DISK/REL	U5 P	7	0401-0ACA
UNIVERSAL WEDGE	U5 P	5	0401-08B0
WORD COUNT 9.0	U5 P	4	0401-0733
WORD COUNT BASIC	U5 P	6	0401-09B1
WORD P DEMO	U5 P	10	2301-2C51
WORD PRO TH2058	U5 P	27	0401-1DF6
WP TAPE2058	U5 P	27	0401-1E1D

TPUG-UTILITIES 6

AUTO DISK BOOT	U6 P	8	027A-09AE
8032 WATAID 4	U6 P	17	7000-8000
CBM 4032 V2.1	U6 P	4	0401-0778
CHANGE DISK	U6 P	4	0401-077D
CHAR.SET.DEFN	U6 P	13	0401-1046
CHEEP PRINT	U6 P	12	0401-0FDD
DATA WRITER	U6 P	3	0401-068F
DATABASE2.0/4.0	U6 P	15	0401-11E5
DISK CHECK	U6 P	15	0401-120B
DISK MOD	U6 P	7	0401-0A05
DISK VIEW	U6 P	7	0401-0A8C
DLOAD EASIER	U6 P	3	0401-06D4
EASY EDIT/MX-80	U6 P	18	0401-14E5
EASY.EDIT.MX-82	U6 P	17	0401-14DC
F16 WATAID 4	U6 P	17	3000-4000
F32 WATAID 4	U6 P	17	7000-8000
FLOADER	U6 P	5	0401-081E
GRAPHIC EDITOR	U6 P	10	0401-0D89
INS WATAID 4	U6 P	15	0401-12B7

LIBRARY INST	U6 P	12	0401-0FAD
LOCKDISK	U6 P	8	0100-0849
MARCH6	U6 P	8	0401-0B02
MEMSEE.DEMO	U6 P	15	0401-12AC
MICROMON++@$5B00	U6 P	22	5B00-7000
MICROMON.ADD	U6 P	31	53C8-71A1
MICROMON.INS1	U6 P	29	53C8-6FC1
MICROMON.INS2	U6 P	42	53C8-7C91
MICROMONC@$1000	U6 P	17	1000-2000
MICROMONC@$7000	U6 P	17	7000-8000
MLOADER	U6 P	2	0401-0506
MX-82.CHAR.DEFN	U6 P	12	0401-0F3D
MX82.PET.PRNT	U6 P	39	0401-2A2D
POWAID2.RUN	U6 P	10	0401-0CF1
POWAID4.RUN	U6 P	10	0401-0CF1
PRINT EDIT INFO	U6 P	8	0401-0BA9
S16 WATAID 4	U6 P	17	3000-4000
S32 WATAID 4	U6 P	17	7000-8000
SET-UP	U6 P	7	0401-0A32
SHL-MTZ LIB 2.0	U6 P	22	0401-195D
SHL-MTZ LIB V2	U6 P	20	0401-17AE
SHOW TOKENS	U6 P	5	0401-0881
STUFFIT	U6 P	14	0401-110D
SUPER1 V1.1	U6 P	29	0401-20A7
SUPERCAT@32000	U6 P	2	7D00-7E00
UNCOMPACTOR	U6 P	8	0401-0B48
UNDLOAD EASIER	U6 P	3	0401-061A
UNIVERSAL WEDGE	U6 P	5	0401-08B0
VICLOAD2.REL	U6 P	4	0401-07B8
VICLOAD4.REL	U6 P	4	0401-07B8
WORD PRO PRINTER	U6 P	4	0401-070B
WP LIST/SCREEN	U6 P	14	0401-1153

TPUG-VIC GAME 1

ARROW	V1 P	8	0401-0AFE
ARROW 2	V1 P	9	0401-0C9B
ARTILLERY	V1 P	13	0401-1044
BANDIT 1	V1 P	11	0401-0EE6
BARRICADE	V1 P	5	0401-08B5
BIORHYTHM	V1 P	12	0401-0FC8
BLACKJACK	V1 P	9	0401-0CAF
BREAKOUT	V1 P	6	0401-09A6
BUSH TRAIL	V1 P	12	0401-0F19
CAR RACE	V1 P	13	0401-0FEF
CHECKERS	V1 P	12	0401-0F13
DAM BUSTERS	V1 P	12	0401-0F20
DEFLECTION	V1 P	5	0401-08A0
DEPTH CHARGE	V1 P	10	0401-0D77
DRAGON MAZE	V1 P	12	0401-0F03
DRM BREAKOUT	V1 P	7	0401-0A9F
FIRING TANK	V1 P	11	0401-0EB9
FOREST DRIVER	V1 P	7	0401-0AAB
GRAND PRIX	V1 P	11	0401-0E6E
INVADERS	V1 P	10	0401-0D59
KILLER COMET	V1 P	4	0401-07E2
LONG DIVISION	V1 P	6	0401-09DC
LUNAR LANDER	V1 P	8	0401-0B18
MAANLANDER	V1 P	9	0401-0C5A
MASTERMIND	V1 P	12	0401-0FC2
MEMORY	V1 P	9	0401-0C6E
MOONLANDER	V1 P	9	0401-0C61
MUKADE	V1 P	7	0401-0A4E
OTHELLO	V1 P	11	0401-0E4B
PINBALL	V1 P	11	0401-0E13
PING PONG	V1 P	10	0401-0D11
PISTOLEN PAULTJE	V1 P	6	0401-092E
RACE	V1 P	10	0401-0D15
REACTION TEST	V1 P	7	0401-0A5F
RIJTEST	V1 P	7	0401-0ACC
ROCKET COMMAND	V1 P	8	0401-0B6B
RUGBY	V1 P	9	0401-0CB1
SAMU	V1 P	9	0401-0C19

SCHUIFSPEL	V1 P	8	0401-0B67
STAR CHASER	V1 P	9	0401-0C53
STAR WARS	V1 P	9	0401-0C05
TANK-UFO	V1 P	10	0401-0CF9
TRAP	V1 P	12	0401-0F1E
UFO	V1 P	9	0401-0C83
VIC FREIGHTER	V1 P	11	0401-0EBA
VIC SNAKE	V1 P	11	0401-0E58
VICBREAK/PADL	V1 P	7	0401-0A6E

TPUG-VIC UTIL 1

ADDRESSES	V2 P	8	0401-0B0E
BASICODE READ	V2 P	6	0401-0940
BASICODE SEND	V2 P	7	0401-0AB2
BUTTERFIELD DEMO	V2 P	3	0401-0621
CHECK DISK	V2 P	4	0401-07CF
DIR	V2 P	4	0401-0765
DISASM	V2 P	11	0401-0E29
DISPLAY T&S	V2 P	14	0401-1122
HISTOGRAM	V2 P	4	0401-0783
PERFORMANCE TEST	V2 P	9	0401-0C48
PROGRAMBLE CHAR	V2 P	7	0401-0A5E
RANDOM FILE	V2 P	13	0401-1083
SEQUENTIAL FILE	V2 P	5	0401-080D
SUPER VICMON2	V2 P	10	0401-0DDF
TINYMON INST	V2 P	8	0401-0BE4
TINYMON1 FOR VIC	V2 P	5	0401-0814
VIC CHAR DEMO	V2 P	7	0401-09F5
VIC CHAR GENR	V2 P	9	0401-0C36
VIC DIS1	V2 P	18	0401-157E
VIC DIS2	V2 P	21	0401-1810
VIC DIS3	V2 P	21	0401-17EE
VIC WEDGE	V2 P	4	0401-0734
VICLOAD2.REL	V2 P	4	0401-07B8
VICLOAD4.REL	V2 P	4	0401-07B8
VIEW BAM	V2 P	6	0401-0988

TPUG-VIC DEMO 1

BAR GRAPH	V3 P	2	0401-05DF
BIRDS DEMO	V3 P	12	0401-0F50
BUMBLEBEE	V3 P	11	0401-0E67
CALCULART	V3 P	11	0401-0E1F
CANADIAN FLAG	V3 P	3	0401-061B
CIRKELDEMO	V3 P	3	0401-063B
COLOUR BARS	V3 P	1	0401-04C6
COMMODORE SYMBOL	V3 P	2	0401-0513
DEMO	V3 P	11	0401-0EB8
DRAGON	V3 P	5	0401-086C
FRERE JACQUES	V3 P	3	0401-05FF
GENERAL DEMO	V3 P	13	0401-1039
GRAPHDEM0	V3 P	1	0401-048B
GRAPHDEM1	V3 P	2	0401-05A2
GRAPHDEM3	V3 P	5	0401-0881
GRAPHIC DEMO 1	V3 P	3	0401-069D
GRAPHICS+SOUND	V3 P	11	0401-0EE2
HANDIC DEMO3	V3 P	6	0401-0937
HI-RES CLOCK	V3 P	7	0401-0A00
HIRES DEMO 1	V3 P	5	0401-08CF
HIRES PLOT	V3 P	3	0401-0694
KALEIDOSCOOP	V3 P	3	0401-05FC
KALEIDOSCOPE	V3 P	4	0401-0767
KEYBOARD DEMO	V3 P	6	0401-0921
KINETIC ART	V3 P	5	0401-08C4
LIGHT SHOW	V3 P	1	0401-04D6
LOG & LOGO	V3 P	3	0401-0621
MERRY VIC-MAS	V3 P	6	0401-0989
MIAUW	V3 P	5	0401-0802
MORSE	V3 P	10	0401-0DE2
MOSAIC	V3 P	6	0401-0920

PIANO	V3 P	8	0401-0B98
ROBOTS	V3 P	6	0401-092E
SNOOPY HIRES	V3 P	7	0401-0A8B
SOUND DEMO	V3 P	11	0401-0ED5
SOUNDS	V3 P	11	0401-0E12
TRIG PLOT	V3 P	2	0401-05B7
VIC CLOCK	V3 P	7	0401-0AEE
VIC KEY	V3 P	10	0401-0D49
VIC LISSAJOUS	V3 P	2	0401-05E6
VIC SIL. NITE	V3 P	3	0401-065F
VIC SOUND DEMO	V3 P	6	0401-095A
VIC-DEMO	V3 P	11	0401-0EB8
VIC-KALEIDOSCOPE	V3 P	4	0401-070B

TPUG BEST-UTIL 1

AUTO DISK BOOT	X1 P	8	027A-09AE
AID2	X1 P	8	0401-0B39
AID4	X1 P	8	0401-0B3B
APP/REN24.REL	X1 P	22	0401-196D
BACKUP 2031 1.0	X1 P	15	0401-1280
BAID240A	X1 P	17	0401-14D8
BAID240C	X1 P	17	0401-14D8
BAID440A	X1 P	17	0401-14D8
BAID440C	X1 P	17	0401-14D8
BAID480A	X1 P	17	0401-14DA
BAID480C	X1 P	17	0401-14DA
BAID4F40A	X1 P	17	0401-14D8
BAID4F40C	X1 P	17	0401-14D8
BAM MAP	X1 P	16	0401-1324
BASIC-AID.INST1	X1 P	29	53C8-7061
BASIC-AID.INST2	X1 P	34	53C8-7561
CASS.LABELER	X1 P	15	0401-1275
CBM 4032 V2.1	X1 P	4	0401-0778
CHANGE DISK	X1 P	4	0401-077D
COMPACTOR	X1 P	24	0401-1B8E
COPY ALL	X1 P	8	0401-0B6D
COPY/ALL	X1 P	10	0401-0D85
COPYCAT!SYS934	X1 P	1	0366-0400
COPYCAT'SYS934	X1 P	1	0366-0400
CROSS-REF	X1 P	7	0401-0A60
DATA WRITER	X1 P	3	0401-068F
DELETE ALL	X1 P	7	0401-0ABA
DEMO	X1 P	20	0401-1735
DISK APPEND-M.B.	X1 P	7	0401-0A3F
DISK CHECK	X1 P	15	0401-120B
DISK FILE RECVRY	X1 P	39	0401-2A28
DISK ID CORRCTOR	X1 P	5	0401-08B4
DISK MASTER V2	X1 P	30	0401-21B9
DISK MOD	X1 P	7	0401-0A05
DISK NAME (R)	X1 P	7	0401-0AA5
DISK PEEK	X1 P	5	0401-08B8
DISK VIEW	X1 P	7	0401-0A8C
DUMP2/SYS826	X1 P	1	033A-03C3
DUMP4/SYS826	X1 P	1	033A-03C3
EP4 SYS32000/1	X1 P	2	7D00-7EDF
EP4XSYS32000/1	X1 P	3	7D00-7F3F
KEYPRINT2@826	X1 P	1	033A-03CB
KEYPRINT4@826	X1 P	1	033A-03CB
LOCKDISK	X1 P	8	0100-0849
LOWCASE LIST V3	X1 P	9	0401-0CA3
SET-UP	X1 P	7	0401-0A32
STRINGTHING.BIN	X1 P	2	7F02-8000
TAPE.TO.DISK	X1 P	8	0401-0B00
UN-NEW/SYS826	X1 P	1	033A-0378
UNCOMPACTOR	X1 P	8	0401-0B48
UNIVERSAL WEDGE	X1 P	5	0401-08B0
UTILITY 2.0	X1 P	18	0401-1571
UTILITY 4.0	X1 P	20	0401-17C3
VIC WEDGE	X1 P	4	0401-0734
VICLOAD2.REL	X1 P	4	0401-07B8
VICLOAD4.REL	X1 P	4	0401-07B8
WORD COUNT 9	X1 P	4	0401-0733

WORD PRO PRINTERX1	P	4	0401-070B
WP LIST/SCREEN	X1 P	14	0401-1153
WPRO BUSTER	X1 P	7	0401-0A0B
X-REF 24576.ML	X1 P	4	6000-6330

TPUG BEST-UTIL 2

8K	X2 P	24	0401-1B31
DATA WRITER	X2 P	3	0401-068F
ERIC ASSM	X2 P	25	0401-1C39
EXTRAMON.INS9.3	X2 P	33	0401-2407
EXTRAMON2@$1000	X2 P	9	1000-17FF
EXTRAMON2@$7000	X2 P	9	7000-77FF
EXTRAMON4@$1000	X2 P	9	1000-1800
EXTRAMON4@$7000	X2 P	9	7000-77FF
MICROMON++@$5B00	X2 P	22	5B00-7000
MICROMON.ADD	X2 P	31	53C8-71A1
MICROMON.INS1	X2 P	29	53C8-6FC1
MICROMON.INS2	X2 P	42	53C8-7C91
MICROMONC@$1000	X2 P	17	1000-2000
MICROMONC@$7000	X2 P	17	7000-8000
SUPER VICMON2	X2 P	10	0401-0DDF
SUPERMON1.REL	X2 P	13	0401-1011
SUPERMON1/2/4INS	X2 P	24	0401-1AFA
SUPERMON2.REL	X2 P	9	0401-0CCB
SUPERMON4.REL	X2 P	9	0401-0CCB
TINYMON INST	X2 P	8	0401-0BE4
TINYMON1 FOR VIC	X2 P	5	0401-0814
UNASSEMBLER.CBM3X2	P	26	0401-1D17
UNASSEMBLER.MAE	X2 P	32	0401-22DA
WP LIST/SCREEN	X2 P	14	0401-1153

TPUG BEST-GAME 1

-- BASIC 2.0 --	X3 P	1	0401-0419
ACROBAT 2.0	X3 P	23	033A-19C0
ARROW	X3 P	7	0401-0AEF
ASTEROIDS	X3 P	22	0401-1980
BACKGAMMON 2.0	X3 P	30	033A-2000
BASEBALL 7.3	X3 P	26	0401-1D1B
BLACK BOX!	X3 P	22	0401-191F
BLACK JACK	X3 P	19	0401-16D4
BLOCKADE	X3 P	26	0401-1D22
BOMBER	X3 P	13	0401-1014
BREAKOUT	X3 P	7	0401-0A71
CAR RACE 2.0	X3 P	20	033A-1680
FAST INVADRS 2.0	X3 P	29	0401-1FFF
INVADERS 2.0	X3 P	29	0401-2000
JOYSTICK INV 2.0	X3 P	29	0401-2001
MASTERMIND	X3 P	23	0401-1A09
MISSION IMP 2.0	X3 P	24	0401-1B37
MOVMAZE2	X3 P	8	0401-0BB2
NIGHT DRIVER 2.0	X3 P	21	0401-1800
OSC LUNAR	X3 P	27	0401-1E6C
OTHELLO	X3 P	29	0401-2000
PETMAN 5	X3 P	23	0401-1A0B
PINBALL	X3 P	24	0401-1B64
REVERSE-PUNTER	X3 P	9	0401-0C62
ROBOT CHASE!	X3 P	24	0401-1BC7
SNAKE 2	X3 P	18	0401-159D
STAR WARS	X3 P	25	0401-1C81
SUPER STARTREK	X3 P	78	0401-50F0
YAHTZEE	X3 P	22	0401-192E

TPUG BEST-GAME 2

-- BASIC 4.0 --	X4 P	1	0401-0419
ACROBAT 4.0	X4 P	24	027A-19C1
ARROW	X4 P	7	0401-0AEF
ASTEROIDS	X4 P	22	0401-1980
BACKGAMMON 4.0	X4 P	30	033A-2000
BASEBALL 7.3	X4 P	26	0401-1D1B
BLACK BOX!	X4 P	22	0401-191F
BLACK JACK	X4 P	19	0401-16D4
BLOCKADE	X4 P	26	0401-1D22
BOMBER	X4 P	13	0401-1014
BREAKOUT	X4 P	7	0401-0A71
CAR RACE 4.0	X4 P	20	033A-1680
FAST INVADRS 4.0	X4 P	29	0401-2001
INVADERS 4.0	X4 P	29	0401-2001
JOYSTICK INV 4.0	X4 P	29	0401-2002
MASTERMIND	X4 P	23	0401-1A09
MISSION IMP 4.0	X4 P	24	0401-1B37
MOVMAZE2	X4 P	8	0401-0BB2
NIGHT DRIVER 4.0	X4 P	21	0401-1801
OSC LUNAR	X4 P	27	0401-1E6C
OTHELLO	X4 P	29	0401-2000
PETMAN 5	X4 P	23	0401-1A0B
PINBALL	X4 P	24	0401-1B64
REVERSE-PUNTER	X4 P	9	0401-0C62
ROBOT CHASE!	X4 P	24	0401-1BC7
SNAKE 2	X4 P	18	0401-159D
STAR WARS	X4 P	25	0401-1C81
SUPER STARTREK	X4 P	78	0401-50F0
YAHTZEE	X4 P	22	0401-192E

TPUG BEST-GAME 3

ADV9 0	X5 S	9	2,213
ADV9 1	X5 S	5	1,184
ADV9 10	X5 S	2	372
ADV9 11	X5 S	2	396
ADV9 12	X5 S	2	466
ADV9 13	X5 S	2	320
ADV9 2	X5 S	5	1,213
ADV9 20	X5 S	3	566
ADV9 21	X5 S	7	1,567
ADV9 22	X5 S	6	1,415
ADV9 23	X5 S	5	1,226
ADV9 24	X5 S	6	1,514
ADV9 25	X5 S	7	1,561
ADV9 26	X5 S	11	2,612
ADV9 27	X5 S	6	1,303
ADV9 28	X5 S	5	1,211
ADV9 29	X5 S	1	244
ADV9 3	X5 S	4	895
ADV9 31	X5 S	7	1,713
ADV9 4	X5 S	3	745
ADV9 5	X5 S	4	816
ADV9 6	X5 S	6	1,367
ADV9 7	X5 S	3	649
ADV9 8	X5 S	4	808
ADV9 9	X5 S	4	806
ADVBOOT	X5 P	1	0401-0456
ADVENTURE	X5 P	49	0401-3410
ADVENTURE80	X5 P	49	0401-33F9
ADVF 0	X5 S	9	2,216
ADVF 1	X5 S	5	1,182
ADVF 10	X5 S	2	371
ADVF 11	X5 S	2	395
ADVF 12	X5 S	2	465
ADVF 13	X5 S	2	319
ADVF 2	X5 S	5	1,213
ADVF 20	X5 S	3	564
ADVF 21	X5 S	7	1,563
ADVF 22	X5 S	6	1,414
ADVF 23	X5 S	5	1,226
ADVF 24	X5 S	6	1.512

Name	Disk	Type	Blocks	Address/Size
ADVF 25	X5	S	7	1,558
ADVF 26	X5	S	11	2,622
ADVF 27	X5	S	6	1,303
ADVF 28	X5	S	5	1,208
ADVF 29	X5	S	1	242
ADVF 3	X5	S	4	894
ADVF 31	X5	S	7	1,713
ADVF 4	X5	S	3	743
ADVF 5	X5	S	4	819
ADVF 6	X5	S	6	1,366
ADVF 7	X5	S	3	648
ADVF 8	X5	S	4	807
ADVF 9	X5	S	4	806
ADVITM	X5	S	9	2,113
ADVKEYS	X5	S	8	1,883
ADVMAP	X5	S	21	5,106
ADVSH8	X5	S	18	4,408
ADVSHOR	X5	S	18	4,463
LORDS OF KARMA	X5	P	125	0401-7FE0
OHARE'S #3	X5	P	86	0401-5940
QUEST 3.0	X5	P	39	0401-2A9A

TPUG BEST-MISC 1

Name	Disk	Type	Blocks	Address/Size
4040 FORMAT	X6	P	5	0401-089B
4040 MENU	X6	P	3	0401-0675
4040 PRINT	X6	P	25	0401-1C08
4040 UPDATE	X6	P	41	0401-2C08
8050 FORMAT	X6	P	6	0401-0911
8050 MENU	X6	P	3	0401-0675
8050 PRINT	X6	P	25	0401-1CB8
8050 UPDATE	X6	P	42	0401-2D6A
E.G SET-UP 80COL	X6	P	12	0401-0F1A
EASY EDIT/C	X6	P	14	0401-1146
EASY EDIT/DISK	X6	P	16	0401-1322
EASY EDIT/MX-80	X6	P	18	0401-14E5
EASY EDIT/TAPE	X6	P	15	0401-1253
EASY.EDIT.MX-82	X6	P	17	0401-14DC
GRAPH.PRINTER	X6	P	12	0401-0FA2
GRAPHICS-DEMO	X6	P	22	0401-19C3
GRAPHICS-LOADER	X6	P	21	0401-17ED
GRAPHIX INSTR	X6	P	17	0401-14DC
HI MEMORY106	X6	P	6	7B00-7FFE
INSTRUCTIONS#7	X6	P	13	0401-1076
MAIL LIST 4040	X6	P	23	0401-1A34
MAIL LIST 8050	X6	P	23	0401-1A34
PAGE1 EZE EDIT	X6	S	9	2,086
PAGE2 EZE EDIT	X6	S	9	2,267
PAGE3 EZE EDIT	X6	S	9	2,285
PAGE4 EZE EDIT	X6	S	10	2,375
PAGE5 EZE EDIT	X6	S	10	2,304
PAGE6 EZE EDIT	X6	S	7	1,694
READ WP TAPE2040	X6	P	27	0401-1DE1
READ WP2040	X6	P	27	0401-1DDA
TAX 81 ONT V1.0	X6	P	24	0401-1B63
V40.2.B	X6	P	5	7B00-7F80
V40.4.B	X6	P	5	7B00-7F80
V80.4.B	X6	P	5	7B00-7F28
WORD P DEMO	X6	P	10	2301-2C51
WORD PRO TH2058	X6	P	27	0401-1DF6
WP TAPE2058	X6	P	27	0401-1E1D
WP3/4 INST1	X6	P	41	50B8-7909
WP3/4 INST2	X6	P	15	50B8-5F69

TPUG-MISCELL. 1

Name	Disk	Type	Blocks	Address/Size
ABACUS	Z1	P	6	0401-095E
BAR.GRAPH.ALT	Z1	P	9	0401-0C29
BASIC.HUMOROUS	Z1	P	14	0401-117F
BIG LETTER ADS	Z1	P	21	0401-1879
CALENDAR-LOWNDES	Z1	P	11	0401-0EB3
CALENDAR.ALT	Z1	P	7	0401-09FB
CANARY	Z1	P	3	0401-062F
CANBAL&MISSY.SOL	Z1	P	10	0401-0D39
CANNATA	Z1	P	7	0401-0AAC
CARTOON!	Z1	P	20	0401-1761
CASCADE	Z1	P	6	0401-09AC
DARTH.VADER.PIC	Z1	P	6	0401-0901
DISPLAY LETTERS	Z1	P	23	0401-1A2C
DRAGON	Z1	P	10	0401-0CEE
ETCH-A-SKETCH	Z1	P	19	0401-15FF
FORMAT	Z1	P	5	0401-08CC
GRAPH.PRINTER	Z1	P	12	0401-0FA2
GRAPHICS-DEMO	Z1	P	22	0401-19C3
GRAPHICS-LOADER	Z1	P	21	0401-17ED
GRAPHIX INSTR	Z1	P	17	0401-14DC
HALLOWE'EN	Z1	P	28	0401-1FC0
HALLOWE'EN2	Z1	P	19	0401-16BE
HEART DRIVER	Z1	P	10	0401-0D72
JULIAN CALENDER	Z1	P	6	0401-09B6
KALEIDOSCOPE	Z1	P	3	0401-0663
LOVE	Z1	P	7	0401-0ADD
MAZE	Z1	P	1	0401-0453
MELODY CHANGES	Z1	P	17	0401-14B6
MEMO CALENDAR	Z1	P	37	0401-27FB
MEMORY CALENDAR2	Z1	P	27	0401-1DD3
MEMORY MONITOR	Z1	P	16	0401-13D5
MYSTERY-BUTTRFLD	Z1	P	2	0401-04FE
NIGHTMARE	Z1	P	2	0401-0501
ONELINE SQUIGGLE	Z1	P	3	0401-0643
PATTERN MAKER	Z1	P	4	0401-074E
PATTERNS	Z1	P	2	0401-05D2
PEOPLE	Z1	P	6	0401-099E
PET CHARACTERS	Z1	P	2	0401-05C9
PHUZZY & WHUZZY	Z1	P	27	0401-1E00
SCAN	Z1	P	1	0401-04B8
SCRAMBLE-BTTRFLD	Z1	P	5	0401-0838
SCRAMBLED.MSG	Z1	P	5	0401-0838
SNOOPY.DANCING	Z1	P	5	0401-0846
TIMES SQUARE	Z1	P	10	0401-0D36
UNIVERSAL WEDGE	Z1	P	5	0401-08B0

TPUG-MISCELLAN 2

Name	Disk	Type	Blocks	Address/Size
BANNER/R	Z2	P	36	0401-274E
CLOCK	Z2	P	2	0401-05F6
CLOCK 8032	Z2	P	2	0401-05F6
E-ROM DEMO	Z2	P	6	0401-09DE
ESP	Z2	P	37	0401-282A
FINE-PLOT DEMO	Z2	P	4	0401-0722
GRAPH SUBS	Z2	P	5	0401-08A3
GRAPHICS	Z2	P	8	0401-0B89
GRAPHIX SORT	Z2	P	11	0401-0E10
INSULTER	Z2	P	30	0401-20E1
MEMOCAL 2.2	Z2	P	41	0401-2C34
NEW LOTTARIO	Z2	P	4	0401-0736
PEARL HARBOR	Z2	P	19	0401-16B4
PHONE SOUNDS	Z2	P	4	0401-0711
PI DEMO 8032	Z2	P	1	0401-04C8
RECIPE	Z2	P	8	0401-0B0D
SAUCE	Z2	S	2	458
SCROLL DEMO	Z2	P	9	0401-0C92
SCUBA ADVENTRUE	Z2	P	20	0401-1779
TWENTY QUESTIONS	Z2	P	2	0401-0576

Secretary's Report
by Chris Bennett

VIC USERS

We put an Ad in the April, May and June issues of Compute. This increased the number of members from the U.S.A. We are also starting to get a large number of VIC users joining as more and more VICs are being sold.

There are now over 400 VIC owners in the club with more and more joining each week. We wish to have a lot more VIC articles in the future issues. In order to do so you VIC owners are going to have to write them. We are a users group and we depend on our members to provide the information printed in our newsletter. If you don't send anything in, we will not be able to provide a great deal of information for other people. Our VIC library is up to about 150 programs with more coming in all the time. We have officially released the first three disks/tapes (V1,V2 and V3). More will be released as time goes on. If you wish to donate a VIC program that you have written, send it to us either on disk or tape together with your address so that we can return the disk/tape after we have copied it.

Please note that we do not accept commercial software, only software in the public domain. This is true of all the programs in our library.

TORPET BACKISSUES

Backissues of the TORPET are available for $2.00 each. Only issues 8, 9 ,10 and 11 are still in supply. If you wish to order any of these old TORPETs, please send your cheque or money order to:

TORONTO PET USERS GROUP
c/o Chris Bennett
381 Lawrence Avenue West
Toronto, Ontario, Canada. M5M 1B9

TORPET NOW MONTHLY

If you have been a member of TPUG for a year or more, you will have noticed a change in the TORPET. One main difference is that it is coming out monthly. Before, we were lucky if one came out every three months. Another change is the size of the last two issues. In both cases we printed only 32 pages instead of 48 pages.

In the future, we expect to print one large 48 or 64 page issue followed by two 16 or 32 page issues. The large issues will contain a summary of all the disks available from the club library plus other special features that require more space than normal.

At the moment, we have four people working on the TORPET. We can, however, use as much help as possible. We always need people to write articles and reviews on PET and VIC products. The more people that work for the TORPET, the better our club newsletter will be. So don't be shy, send us anything you think could be interesting or just volunteer to help us in the production of the TORPET.

YOUR MAILING LABLE

At this time, I would like to describe the codes that I print on your mailing label. On the top right hand corner there are 4 fields. The first is your membership number. This is four numeric digits. The second field consists of a single alphabetic character which indicates the type of member you are. The codes are: A for Associate member, S for Student member and R for Regular member. The Associate member has all club privileges except he/she is too far away to attend our meeting. The Student and Regular members are those people in the Toronto area who attend any one of the four meetings per month. The third and fourth field are the month and year when the membership expires. Thus Aug 1982 means that you are no longer a member after the last day in August 1982. In this case you will recieve a renewal notice two months before that date asking you to pay for the next year.

V—Link
NEW PRODUCT REVIEW
Gerald L. Gold

photo credit
Gerry Gold

V-Link Connector Cables for
IEEE (disk, etc.)
Parallel (printers, etc.
RS-232 (modems, etc.)

Ever since I bought my VIC I have repeatedly joined the chorus of "If only"s . If only the VIC could use my 8050 drive. If only my modem would work with the VIC. If only BASIC 4.0 had been burned into the VIC's ROM. If only the machine language monitor were highly accessible as it is on the PET.

After testing out the new IEEE–488 ROM for the VIC, my only remaining complaint is the 22 by 23 character display on the VIC. All three of the TPUG VIC–20 release disks are now stashed on a solitary 8050 disk and I have been using the VIC with a Spinwriter, an Epson MX–80, and a General Datacomm Modem.

To be fair, I was one of the first to get to play with Richvale Telecommunications' new cartridge, and my early involvement with
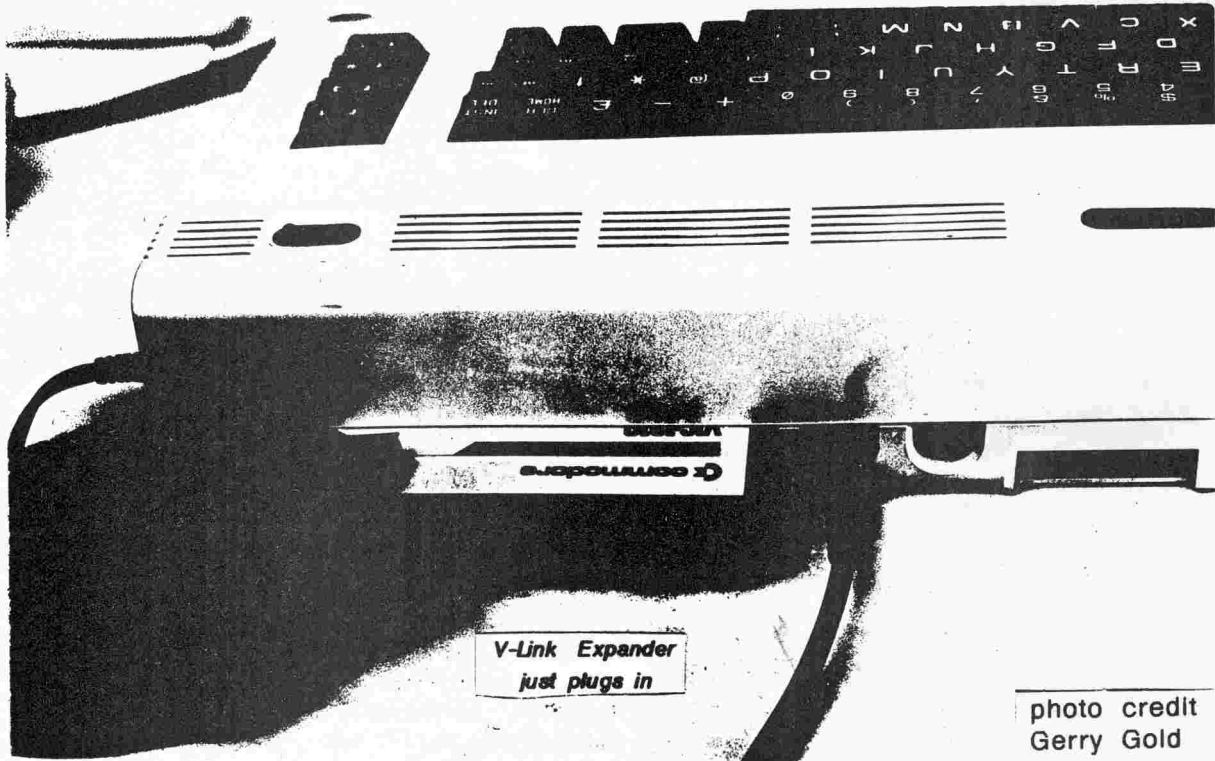
V-Link Expander
just plugs in

photo credit
Gerry Gold

the product makes these notes more of a product announcement rather than a review. With these cautions In mind, and with the intention of being as objective as possible, I will sketch out a brief description of the V-LINK. A full review will undoubtedly follow.

Adding peripherals to the VIC-20: V-LINK adds IEEE capability to the VIC with a cartridge containing either 16K RAM, 8K, 3k, or no additional RAM. The approximate retail price of a cartridge in Canadian dollars is $190 for the 3K V-LINK, $220 for 8K, and $270 for 16K (note the 16K cartridge alone normally sells for about $130. There are also several cables that a VIC user may need to get with V-LINK, and all of these plug easily into the VIC user's port (on the left rear of the VIC). One of these cables connects directly to an IEEE printer or disk drive. Another is an adapter that connects the VIC to a printer interface which can link up with both an IEEE (drive) and a parallel printer such an a MX-80, a Centronics or a Spinwriter. Richvale also provided me with a cable available that connects directly to a parallel printer (for the large number of us who use a tape recorder and/or a VIC 1520 drive with a non-Commodore printer). Another cable is designed to be connected directly to an RS-232 modem. It would be nice if all this could be done with a single cable, but there are too many industry standards.

BASIC 4.0 — on the VIC-20: Whatever configuration the user chooses, once it is all hooked up, the VIC becomes a full-fledged Commodore computer. All of the familiar BASIC 4.0 syntax can now be executed directly by the VIC. This creates the novel situation of VIC users having to hunt for BASIC 4.0 manuals. The V-LINK manual lists the BASIC commands and provides an index of where further documentation can be found for each command.

BASIC 4.0 provides a definite improvement to the VIC and further compatibility to existing Commodore Basic programs. Most important, VIC users can now handle disk I/O as rapidly as they would with any other PET. In short, it is an essential peripheral for anyone who added their VIC to an existing Commodore system or to any serious VIC user. Perhaps

products such as V-LINK will extend the life of the VIC postponing obsolescence by newer products.

V-LINK provides BASIC 4.0 by linking into the vectors provided by page 3 of RAM. There is no modification to the CHRGET subroutine and therefore V-Link does not noticeably slow down BASIC as do other packages that operate on the PET. Also, since BASIC 4.0 commands are being added to VIC BASIC, BASIC 2.0 "garbage collection" is still present. Incidentally, I understand that BASIC included in the Commodore 64 is also, without an IEEE port, will be released shortly. David Foster, who programmed the V-LINK, tells me that a Commodore 64 version of V-LINK will be released at about the same time as the '64'. Since Commodore has had to modify the VIC-1540 disk drive to work with the '64' (the VIC-1541, a serial device which will apparently work with both the VIC and the '64'), many of us who were planning to purchase this exciting new computer will undoubtedly be pleased to know that there will be an interface that permits the use of existing CBM 2031, 2040, 4040, 8050, 8250 disk drives, or CBM hard disk.

Communications with the VIC: Once in IEEE mode, and with the appropriate cable to any rs-232 modem, the VIC with a V-LINK cartridge will communicate with an electronic bulletin board system or with a mainframe computer. Any key can act as a control key, which is very useful when communicating with the a DEC 10 or similar computer equipped for telephone access. There apparently was not enough room in the cartridge to support uploads and downloads. These will have to be done through additional software designed by the user or with programs that Richvale Telecommunications plans to release.

Getting onto the modem involves opening a file which specifies, parity, baud rate, word length and number of stop bits. In practice, with a 300 baud standard modem this is a simple command with examples in the manual and documentation in the RS-232 section of the VIC 20 **Programmer's Reference Guide**.
The first message I sent to the User's Group bulletin board wrapped around the screen in a manner that is quite familiar to users

of the VIC. Because Steve Punter's bulletin board program right justifies messages, there seemed to be a few large spaces on the VIC screen. But when I read my message later in the day on a SuperPET screen, it was properly formatted and could have been left by any other Commodore computer. I now have a vision of science and engineering students running out to buy the VIC or the '64' to use as remote terminals. All they will need is a computer, a cartridge, and a modem.

The Machine Language Monitor: Access to the monitor is from a direct command – MONITOR. As I write this report, there is no editor/assembler available with the package though I see no reason why V-LINK would not support some of the machine language utilities that are available commercially or through the PET User's Group, as long as they do not compete with V-LINK for the same memory addresses in the VIC's RAM.

Optional Word Processor and mail list: An optional word processor will be available as part of the V-LINK cartridge. The product name for the word processor is not yet released (VIC-kie? VIC script?). It is essentially a scaled down version of the RTC word processor and text files are upwardly compatible with the version of the program that run on 40 column and 80 column screens. The cartridge that I tested is 16K RAM cartridge which permits the storage of about 6 1/2 pages of single-spaced text in the VIC's memory.

The problem of the VIC screen (it is very narrow for word processing) is solved through the creation of 99 line 'screens' each of which is easily scrolled up or down. Given the clarity of the characters, this arrangement is quite adequate for many different needs. Twenty screens are loaded into memory at one time and the VIC user can fill approximately six complete screens or spread their text over the twenty screens in memory, leaving space for editing. Text may be relocated from one line to another or from screen to screen.

Print commands are invisible to the user and may be called to the display with the control key and one key stroke. One such

"control map" remains operational for the entire word processing session, and a second map, which can be saved, changes the format of individual screens. If the second map is not set, the program defaults to the values in its main control map. All this means that the word processor can be used without setting any control map, or required features such as -- characters per line, spacing, pitch, and right justification -- can be set to whatever specifications the user requires. For my own purposes, it makes this program a very functional and portable word processor, which when packed in a small suitcase, could be used on the road or even at the office.

The entire program is written in machine language and works fairly rapidly, though not quite as fast as an 80 column version. The data is stored on tape or on disk through the use of numbered screens which can be made to be compatible with Wordpro files. Over 600 consecutively numbered screens are stored on a single VIC or CBM disk. I found that I could rapidly access screens saved on tape using the fast forward command. Both disk and tape can be used alternatively by toggling one of the VIC function keys. The disk version permits the loading of files directly from the index.

Used with a separate mailing list program (which Richvale will release shortly -- I have yet to see the program) the Vic word processor will form letters which either send the same letter to all or part of a mail list file, or send individualized form letters. The mail list data will also be compatible with the CBM Scratchpad which operates on larger Commodore computers.

After V-LINK the has been around for a while there will be more utilities available to use with it. A terminal program and an editor assembler would be a good start. Viewed as a package, this new product makes a work horse out of a games machine. I should not be surprised. Several years ago, a colleague insisted that there would be sophisticated computer systems available for under 500 dollars. Now that they are here, my VIC-20 means more to me than it did when I took it home from the micro shop.

Gerry Gold

CLASSIFIED ADS 5 cents per word with $1 minimum payment in advance to: Chris Bennett 381 Lawrence Avenue West. Toronto, Ontario M5M 1B9

FOR SALE

4022 Commodore Tractor Printer, power cable and manual for sale. 494-1900 anytime $800

FOR SALE: Star Modem with IEEE interface cable. Brand new. $300.00. Call Rene': (416)272-3899.

An excellent Data Base called File Cabinet $35.00 to TPUG memebers only at that price. MFS-2 Interface $68.00 par version $82.00 serial version. Products reviewed in the Midnight. Progress computer 7073 LynneTree Way Citrus Hights CA 95610 (10)

2022 Tractor Printer with cable. like new condition. Call Bob Gidden 671-8111.

Olivetti Typewriter-Printer ET-121, hooks directly to PET system. 15cps. $1850 or best offer. Call John Childs 613-345-5521

CLASSIFIED

Bell 103 Modem with Dataphone, A-1 condition. Asking $245. Phone Peter 845-9384.

HELP WANTED!

I have a VIC-20 with 32K expandable with disc. Need someone to write simple custom business programs for me. Will include 4 or 5 small programs. Please send all information to Jim Kemp 1010 S. Elm Henderson, Ky 42420 or call 502-827-8153. Also anyone wishing to help a real novice who needs all the help he can get drop me a line.

Catalogs

PET/CBMADD-ONS FREE CATALOG. ECX COMPUTER COMPANY has over 20 new ad-on circuits and software for your PET/CBM computer and peripherals. For a FREE CATALOG send a self addressed stamped envelope to: ECX COMPUTER COMPANY 2678 North Main St. Walnut Creek, California, 94596 (9)

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Michael Hyszka
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