

TPUG
CD/M
Library
Catalog

Updated March 1992
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C128 Librarian

T P U G CP/M Library Catalog

The TPUG CP/M library started in January 1986 and was maintained by Adam Herst until December 1986 when Ray Whidden took over as the CP/M librarian. The library now contains about 85 disks.

The disk based version of the library is contained in four text files:

ZAA-F	covering disks (Z)AA to (Z)AF
ZAAA-Z	covering disks (Z)AAA to (Z)AAZ
ZABA-Z	covering disks (Z)ABA to (Z)ABZ
ZACA-DB	covering disks (Z)ACA to (Z)ADB

These files were compiled from the TYPE.ME files on the original disks, and contain a listing of the files on each disk, as well as a short description (in most cases) of each file. The format of the text files has varied a little over the years; I have tried to, retroactively, standardize it to some extent.

Many of the files are .LBR (LiBRary) files, which is the standard way of keeping files together in the CP/M world. To access the files contained within these library files, you MUST have some utility program to extract them from the library, and in some cases they have to be UNCRUNCHED or UNSQUEEZED. If you do not have such a program, don't worry! One of the best utilities is included on this disk. If you are unfamiliar with CP/M you may find this a little confusing at first, but, later on you will realize that it is an easier way to organize a group of files. It is useful, for example, to have the documentation file included with the main program, the library file keeps them together, along with any other related files.

The early tools to deal with .LBR files were LU (Library Utility) and other related utilities such as LDIR (Library Directory) LRUN (which would RUN a file within a library). These files (and others) were on TPUG CP/M disks (Z)AC and (Z)AAD. Later, programs such as NULU (New Library Utility) offered more options and easier operation (available on (Z)AAV). QL (Quick Look) is one of the easiest and best ways to deal with CP/M libraries as it offers ways to examine or extract files from libraries from a simple menu. (QL is the one included on this disk).

Squeezing and Crunching.....

Reducing the size of files has several advantages by saving transmission times in telecommunications and disk space for archival copies. Squeezing was a method used in the early days of CP/M to reduce file sizes, though it is not used much anymore. A Squeezed file can be identified by the 'Q' in the file extension. eg if you Squeeze THIS.COM it becomes THIS.CQM, while THAT.TXT would become THAT.TQT. Utilities to deal with these files, USQ and SQ are on (Z)AB and (Z)AC. NULU will also unsqueeze files.

Squeezing gave way to crunching (the difference being more efficient reduction techniques) and the CRUNCH and UNCRUNCH utilities - on (Z)AAM - are used to handle the conversions. Crunched files are recognizable by the letter 'Z' in the file extension eg. THIS.CZM or THAT.TZT NULU will NOT uncrunch files.

Crunched text files within a library can be typed to the screen using a utility such as TYPELZ.COM (which can be found on (Z)AAM) with the syntax:

```
TYPELZ NEWFILES NEW.TZT
```

This example would type to the screen the file NEW.TXT which has previously been crunched and stored in NEWFILES.LBR. Most CP/M people would soon rename the TYPELZ.COM file to TZ.COM to save typing (and to reduce the possibility of mis-typing)

Using QL (again, note the short name) you would simply type :

QL (and optionally a drive letter if the disk you wish to look at is not the default drive, eg. if the CP/M prompt is A> and you type QL B: then you will see a directory of the files on drive B: Each directory entry will be numbered, so you type the number of the file. If the file is a library file (.LBR extension) then another menu will appear with all the files in the library and numbers. When you select the number of a text file, the file will be displayed to the screen, stopping after the screen is full, until you press a key. You can go back and forth throughout the file, there are many other options (including a FIND utility) - press the '?' key for details and help.

ARC and ARK

Not as common, in CP/M, as .LBR files, there are ARCHive files that are, in concept, similar to libraries. The .ARC file extension is quite common in other operating systems (including C 64 and C128 native mode) - in CP/M the extension is often .ARK and there IS a CP/M UNARC utility available (Z)ABR.

Printing the Catalog Files

Included on this disk is LIST.COM, which will print any text file, with no formatting and no page breaks. Quick and dirty... just type

```
LIST filename.ext      (using, of course, the filename you want printed)
```

and that's it.

If you want a paged printout, you have to work a little harder, but you can use PR.COM, like this

```
PR -o5 filename.ext >lst:
```

if you leave out the '>lst:' at the end, the file will be printed to the screen and the -o5, which stands for Offset 5 spaces, will leave a 5 column margin on the left (naturally, you can use a number other than 5, too) this is very handy if you can set your printer to 12 pitch from the front panel - if not you might want to leave out the -o5 or you could have some strange results.

The PR program also will put a heading on each page, with the filename and page number.

What's New?

Obviously, in the CP/M world, not a lot. There have not been any new disks added to the library since December 1990 and it seems unlikely that there will be many more, however, I do plan to add one or two more, in the near future, that will include an updated 'boot' disk (with 1581 support) and a selection of new, and updated utilities.

John Milligan
C128 Librarian

March 1992

***** TPUG March 1986 ** (Z)AA
 Title: Systems Upgrade Disk

NEWSYS.COM This is the file that will upgrade your CPM+.SYS file so that it will support the RS-232 port among other things.
 C-128.DOC This is the instructions for creating an upgraded CPM+.SYS file.
 CONF.COM This file allows you to configure various aspects of the 128 system while in CP/M mode. This includes shutting off the 40 column screen to increase system speed, changing output to printer to ASCII plus much more.
 CONF.HLP This is the documentation file for CONF.COM
 C1571.COM This utility doubles the write speed of the 1571 in CP/M mode. This is accomplished by disabling the verify. Use at your own risk.
 SWP.COM This not an upgrade file but it is a very useful, very popular file copy utility. It is menu driven and fairly intuitive. Copy all or part of a disk in one sweep.

***** TPUG March 1986 ** (Z)AB
 Title: Telecommunication
 Utility Disk

IMP-C128 THIS is a very good telecommunications program that supports XMODEM communications protocols, batch file transfer, 1200 baud plus more.
 IMP.DOC This is the very complete documentation file for the above. READ IT BEFORE USING IMP-C128!
 LU310.COM Many of the files available on bulletin boards are crunched together in a .LIBRARY file. This utility lets you extract and restore files from a library file.
 LU310.UPD This file contains update information about the Library Utility file. It is not a documentation file but will do till one comes along.
 LDIR22.COM This utility lets you look into a .LIBRARY file so that you can see which files to extract.
 LDIR22.MSG Again , not a documentation file but it will do for now.
 TYPL35.COM This utility lets you type out to screen or printer the contents of a .LIBRARY file.
 TYPL35.DOC Finally a documentation file. It is always a good idea to read these things!
 USQ20.COM This utility will unsqueeze files that have been squeezed to save space. This will usually have a filetype of .xqx .
 SQ17.COM This utility will squeeze files.
 SQUEEZ.DOC This is the documentation for the squeeze/unsqueeze utilities.

***** TPUG April 1986 ** (Z)AC
 Title: Ora Flaningam
 Utility Disk

This disk was made possible by the generous donations of Ora Flaningam.

D.COM These are three alternative directory
 SD.COM programs.
 ZX.COM

DU.COM Disk edit utility - beware; may not be completely compatible
 with the C128/1571
 DU-V83.DOC. Documentation for Disk Utility

LDIR This group of files comprises the Library Utility system
 LRUN It is common practice in the CP/M world to store files
 LU in "Libraries" to keep related files together and to
 LUX save disk space.
 LUXDIR
 LUXTYP

LU300.DOC. Documentation for Library Utility
 MFT.COM Multi-File Transfer utility.
 NSWP.COM Major utility for multi-disk (two or More) file transfer
 NSWP142.DOC Docs for New Sweep
 SQ and USQ are 'squeeze' and 'unsqueeze' utilities used to make smaller
 files for phone transmission or to crowd more files on a library
 disk.

SQ/USQ.DOC Documentation for SQ/USQ. A 'squeezed' file can be recognized
 by 'Q' in the middle of the file type for example:
 '.DQC' for a squeezed '.DOC' file.

SZP.COM Super-zap. It will let you look at and change any byte or
 sector on a disk. Use it with care. It has a help menu, so it
 is fairly easy to use. See SZP.DOC for documentation.

VDO Little word processor. It uses commands similar to Wordstar.
 It has a help menu. Type control k to see it.

VDO.DOC Documentation for VDO

ZX.LBR is the original way that ZX came to me. It contains ZX.OBJ
 and ZX.DOC. If you use LU to extract ZX.OBJ and rename it to
 ZX.COM you have a working copy of ZX.

LIBRARY.LBR is an empty library you can use to store other programs.

***** TPUG May 1986 ** (Z)AD
 Title: Utilities

C1571/2 COM - This is version two C1571.COM. It speeds up the write speed of a 1571 in CP/M mode by disabling some redundant verifying. Version one did not support MFM formats. Type C1571 for more info.

CPM3UTIL LBR - This is a library of CP/M Plus utility programs including a disk editor, directory lister, text editor and more. See the included documentation for more info.

SD LBR - This is a small library of the SD.COM (Super Directory) files. The name says it all. Docs included.

CPM2PLUS LBR - This is a library of files that will let you run CP/M 2.2 specific programs under CP/M Plus.

D COM - This program keeps a chronological record of file access.
 D DOC See D.DOC for instructions.

HISHOW COM - Types a file to screen. Lets you scroll backwards and forwards through the file.

PRINTER LBR - This library contains files to set the options on some Epson and Okidata printers.

FCOPY COM - This is a file copy program written for the C-128.

ERAQ COM - An erase with query program.

ERASE COM - Another erase file program.

SCAN COM - Locates bad sectors on a disk. Written for CP/M Plus.

WIPE COM - Wipes .BAK etc. files from a disk.

XTYPE COM - This program will type out squeezed (.xqx) files.

DELBR COM - This will remove files from a library file. Type DELBR <filename>. Make sure output is directed to a disk with sufficient space free.

INDEX LBR - This library contains a program that will generate an index to a WordStar style document. See the included documentation.

CPM3-CAT LBR - This is a CP/M Plus program to generate and maintain a catalog of disks.

SQ/USQ LBR - This is a library of yet another version of the squeeze/unsqueeze files.

QS-CPM3 LBR - This one sets disk file attributes. Shorter and easier than SET.COM

UNERAPL LBR - Like a Commodore DOS unscratch, this will recover erased files.

REGIONS SQG - Some of the programs on this disk came from a SIG-M C-128 sampler disk. This is a list of the distribution points for the SIG-M library. Remember to share those wonderful programs you may acquire with your fellow TPUG members!

***** TPUG May 1986 ** (Z)AE
Title: BASIC-E

- E-BASIC LBR - This library contains a number of versions of Gordon Eubanks public domain EBASIC, a BASIC interpreter. See EBASIC.DOC for elementary instructions.
- EKGAMES LBR - This library contains a number of games that will run under EBASIC as supplied on this disk. Only the .INT files are included, no source code. Follow the directions in EBASIC.DOC to run them. As you may expect they are text based games.
- OTHELLO LBR - This is the game of othello designed to run under EBASIC as supplied on this disk. Source code (.BAS), .INT and .DOC files are included. See EBASIC.DOC for instructions on how to run.

***** TPUG May 1986 ** (Z)AF
Title: Telecommunications

- MEX LBR - This contains the MEX.COM, MEX.HLP files (a full featured, professional style, telecommunications package) as well as a number of documentation files. MEX110.WS is a WordStar-style manual. It can be printed using VDO.COM on TPUG disk (Z)AC.
- KERMIT LBR - This terminal has fewer features than MEX.COM but it does support the KERMIT protocol for file transfers, widely used for micro to mainframe communications. Documentation is included.

***** TPUG June 1986 ** (Z)AAA
 Title: Languages

- SMALC1 LBR - This is a version of the Small-C C compiler. This is a large library of many small and a few not so small files. Most of the files have accompanying documentation files. Only .COM files are included. While the source files are available, no one has made them available to me. The documentation files that are included detail the specifics of this compiler, they are not a tutorial in C.
- LLLBASIC LBR - This library contains all of the relevant files for this BASIC interpreter, source code, runtime interpreter and documentation file.
- FORTH123 COM - Unlike the previous file, this implementation of the FORTH language comes with nothing but the .COM file. If you can figure it out and put together a documentation file, please send it in.

***** TPUG June 1986 ** (Z)AAB
 Title: Utilities

- CPM3LIB LBR - This library contains a number of CP/M Plus ML subroutines Documentation included.
- DIR+ COM - This is a file handling program. Enter a ? for the command menu.
- Z80ASM LBR - As the name suggests this is a Z80 assembler package.
- FIND COM - This program searches disk/files for a specified string. Enter FIND with no arguments for usage instructions.
- XREF LBR - This is an ML cross-reference utility program. Documentation is included.
- LISTT COM - Produces formatted output to the screen or printer. Enter LISTT with no arguments for usage instructions
- UNERASE COM - Searches and recovers 'lost' files.
- VDE COM - This is a very good text editor. Enter ESC ? for instruction menu.
- XDIR COM - Produces an extended directory listing.
- CALC LBR - Simulates an HP calculator while exhibiting internal logic on the screen. Documentation is included. The TERM files let you customize installation.
- NEAT LBR - These programs tidy up assembly language program listings. Documentation is included.
- BACKGA COM - This is a version of the popular board game.
- SARGON COM - This is a version of chess.

***** TPUG Sept 1986 ** (Z)AAC
 Title: Utilities

COMPARE COMPARE	COM DOC	-	Compares two textfiles and reports differences.
WCOUNT WCOUNT	COM DOC	-	Counts the number of words in a file.
DISPLAY DISPLAY	COM DOC	-	Displays files; allows forward/backward movement.
SORTV SORTV	COM DOC	-	Sorts fields in a file in ascending order.
DU-V87 DU-V87	COM DOC	-	A full-featured disk utility.
FBAD58X FBAD58X	COM DOC	-	CP/M Plus version; finds bad disk sectors.
FORMAT2	COM	-	Program to let the 1571 format MFM formats.
EDFILE EDFILE	COM DOC	-	Allows editing of hex or ASCII files.
NSWP207 NSWEEP	COM DOC	-	Very versatile file manipulation utility. A must.
SPELLING	LBR	-	A library of programs comprising a spelling checker. Documentation is included.

***** TPUG Sept 1986 ** (Z)AAD
 Title: Starter Disk

C1571/2	COM	-	Speeds up 1571 write times for MFM as well as GCR formats.
CONF CONF	COM HLP	-	Allows configuration of C-128 CP/M system attributes.
FORMAT2	COM	-	Allows 1571 to format MFM disk formats.
LSWEEP13 LSWEEP10	COM DOC	-	A sweep like utility to extract files from libraries.
LU310 LU300 LU310	COM DOC UPD	-	Utility to create and dissolve libraries.
NEWSYS	COM	-	A program to upgrade the C-128 CP/M system. Type newsys for
NSWP207 NSWEEP	COM DOC	-	A very versatile file manipulation utility.
VDE VDE	COM DOC	-	A WordStar like wordprocessor.
UNERASE UNERASE	COM DOC	-	Recovers scratched files from a disk.

***** TPUG Sept 1986 ** (Z)AAE
 Title: Yale Pascal

This is disk one of three ((Z)AAE, (Z)AAF, (Z)AAG) which contain this public domain PASCAL compiler. It has been tested on the C-128. This disk contains the documentation files.

MANUALWS LBR
 PASCDOC1 LBR
 PASCDOC2 LBR

***** TPUG Sept 1986 ** (Z)AAF
Title: Yale Pascal

This is disk two of three ((Z)AAE, (Z)AAF, (Z)AAG) which contain this public domain PASCAL compiler. It has been tested on the C-128.

PCDS LBR

PCDS1 LBR

***** TPUG Sept 1986 ** (Z)AAG
Title: Yale Pascal

This is disk three of three ((Z)AAE, (Z)AAF, (Z)AAG) which contain this public domain PASCAL compiler. It has been tested on the C-128.

COMMAND LBR

README NOW

REZ7/31 LBR

RMAC MOD

***** TPUG November 1986 ** (Z)AAH
Title: Utilities

BANNER COM Prints a horizontal banner on your printer

BANNER DOC

BISHOW COM Displays regular, library and squeezed files backwards and forwards.

BISHOW DOC

CATCHUM COM A Pacman like game.

CATCHUM DAT Data file for above.

CATCHUM DOC

LSWEEP10 DOC A 'sweep' like utility to extract library files.

LSWEEP13 COM

MORTGAGE COM Amortizes a Canadian mortgage.

MORTGAGE DOC

NULU-1/1 COM An enhanced, full featured library utility.

NULU DOC

RACQUEL COM Text file picture of this well known woman

RACQUEL DOC

ROMAN COM Converts decimal numbers to roman numerals

ROMAN DOC

SQ-1/5A COM A squeeze utility with size reduction analysis.

SQ-1/5A DOC

VFILE COM Disk file utility. Requires patching for the C-128.

VFILE DOC

VFPATCH ASM

VLIST COM Lists a file to screen with speed control.

VLIST DOC

***** TPUG Dec 1986 ** (Z)AAI
Title: Eliza & Snoopy

ELIZA.COM - a Basic version of the famous "Doctor Is In" program originally written in Lisp.

SNOOPY87.CAL - The famous calendar, updated for 1987. Read README.CAL to get printing instructions. TYPE SNOOPY86.CAL for screen display.

@.LBR - An expression evaluator to give you BASIC2.0/7.0 direct mode capability under CP/M. Extract both files, rename @.OBJ to @.COM. Enter @Return and follow the instructions.

CPM-BEST.106 - A list of the most popular CP/M programs compiled by one of RCMP BBS. Included comments could point you to some gems you haven't seen before.

***** TPUG January 1987 ** (Z)AAJ
 Title: Micro Tools (1 of 2)

Micro Tools are a unique way of approaching computing - a package of general-purpose programs with a great deal of flexibility designed to be linked together to perform a multitude of computer tasks. Be sure to look through the documentation in the MTLSDOC.LBR. Then try the program PR.COM to get some interesting options for your printouts. Note that the command permits chained options, ie -xyz rather than -x -y -z as you may be used to with NULU. Pipes, tees & input/output redirection are available, ala UNIX, so you can try some of the features you've only heard about, so far. For example, to print using PR.COM, enter:

```
pr [options] [file(s)] >lst:
to print on the printer or :
pr [options] [file(s)] >lstfile
to 'print' to a disk file named lstfile.
```

NOTE: > is the shift/period key combination

***** TPUG January 1987 ** (Z)AAK
 Title: Micro Tools (2 of 2)

Micro Tools are a unique way of approaching computing - a package of general-purpose programs with a great deal of flexibility designed to be linked together to perform a multitude of computer tasks. Be sure to look through the documentation in the MTLSDOC.LBR. Then try the program PR.COM to get some interesting options for your printouts. Note that the command permits chained options, ie -xyz rather than -x -y -z as you may be used to with NULU. Pipes, tees & input/output redirection are available, ala UNIX, so you can try some of the features you've only heard about, so far. For example, to print using PR.COM, enter:

```
pr [options] [file(s)] >lst:
to print on the printer or :
pr [options] [file(s)] >lstfile
to 'print' to a disk file named lstfile.
```

NOTE: > is the shift/period key combination

Also included are a couple of other goodies:

Sideways to print on an Epson printer - not tested, so performance reports would be appreciated. Source is included so if it needs fixing and you can, submit the revised version so we can update our library.
 Cookies is a file of 'proverbs', some specifically for computerists, to ponder while you print that long report or sort that file.

***** TPUG February 1987 ** (Z)AAL
 Title: PC-File & Catalog

Included on this diskette are:

```
PCFILEZ.LBR
PCFILE.CZM - Jim Button's database program, popular on MS/PC-DOS
PCFILE.DZC systems, for CP/M. 'User-Supported Software'
PCSORT.CZM - Sort that works with PC-FILE
PCEXPORT.COM - Create *.NS files to use with MailMerge, etc

CATALOGZ.LBR
CATALOG.DZC - Document file for disk file catalog programs in this
READTHIS.DZC LBR. Read the three .DZC files after you uncrunch
SIMPLCAT.DZC them. These are based on Ward Christensen's disk
CAT.COM catalog programs and do not have the capability
UCAT.COM of including the contents of .LBR files in the
NEWCAT.COM resulting catalog.
FIND.COM - Search resulting file
PUTCAT.COM - Send catalog to screen/printer
FMAP.COM - Main catalog program
CROSSREF.COM - Find same file on multi- disks
MAST.CAT - Initial catalog, copy this to disk to start
CROSSREF.DOC - Info on program to print variation of catalog

UNCR20.COM - UNIX compress/ARC type unsqueeze program.
Enter command:
UNCR20 PCFILE.CZM
```

**** TPUG March 1987 ** (Z)AAM
 Title: Bradford, Crunch & Help

Included on this diskette are:

- BRADFORD.LBR
 - C128.DOC - Note from a C128 user
 - BRADFORD.CZM - FancyFont program for dot matrix printers
 - BRADFORD.IZF - INFORMATION file with instruction manual offer
 - AD-A&D.WZ - Sample file to print using BRADFORD printers A/D
 - AD-B&C.WZ - Sample file to print using BRADFORD printers B/C
 - PONT1 to 8.BZN- FONT files used by BRADFORD

- CRUNCH20.LBR
 - CRUNCH20.COM - Compress utility that results in smaller files
 - CRUNCH20.DOC - Documentation on CRUNCH
 - LZDEF20.DZC - CRunched file format definition
 - NOTE.DOC - Last minute note
 - TYPELZ20.COM - TYPE CRUNCHed files in a .LBR without UNCRUNCHing
 - TYPELZ20.DZC - DOC on TYPELZ20.COM
 - TYPELZ20.ZZ0 - Z80 source for TYPELZ20.COM
 - UNCR20.COM - UNCRunch program
 - UNCREL.DZC - DOC on .REL files used with CRUNCH
 - UNCREL.REL - File used with CRUNCH/TYPELZ20/user programs
 - USAGE20.DZC - Usage documentation
 - USQREL.REL - File used with CRUNCH/TYPELZ20/user programs

- HELP.LBR
 - ASM2.HZP - ASM help, original assembler with CP/M2.2
 - CBASIC.HZP - CBASIC help, CBASIC from E(ubanks)-BASIC author
 - CPM.HZP - CP/M help
 - HELP.HZP - HELP help
 - MAC.HZP - MACro assembler help
 - MASM.HZP - MACRO-80/LINK-80/LIB-80/CREP-80 help
 - HELP.COM - HELP command

- LBR/1541.DOC - Documentation for single 1541 disk users with CP/M faced with a full-disk LIBRARY or 'how to use the Commodore virtual (E:) drive to get at all the goodies'

***** TPUG March 1987 ** (Z)AAM
 Title: Fatcat (1 of 2)

FATCAT.LBR

- FATCAT.CZM FATTER but faster CATALOG program configured for C-128
- FATCATIN.CZM Fatcat install program, run & PIP for new version
- OUTCAT.CZM Output program, used by Fatcat O/X, also at command line
- FATCATIN.DZA Data file used by install
- FATCAT2.CZM Used by Fatcat
- FATCAT3.0Zx Overlays used by Fatcat
- OUTCAT.0Zx Overlays used by Outcat
- STANDARD.CFG ConFiGuration file, default used by Fatcat
- STD-ONE.CFG Config for one 1571 disk
- STD-RAM.CFG Config for Ram Expansion
- UNCR.COM UNCR program for xZx files
- Z3INSTP.CZM Install program for ZCPR3
- FATCATA.SUB Submit for Fatcat & Ram Expansion, load & run

PACMAN.LBR

- PACMAN.CZM PACMAN on the C-128 with CP/M, typewriter keyboard
- PACMAN2.CZM graphic, it's slow, it doesn't use a joystick but it works. Gobble those monsters!!
- PACMAN.DZT File used by PACMAN
- SCREEN.CNT

SUPERSUB.LBR

- SUPERSUB.CZM An improved SUBMIT program, not fully tested on C-128
- SUPERSUB.AZM Source code, if it needs fixing; submit any changes

***** TPUG March 1987 ** (Z)AAO
 Title: Fatcat (2 of 2)

FATCATD.LBR

FATCAT.TZC FAtter but faster CATalog, table of contents if
 WordStar used to print
 FATCAT.WZ WordStar formatted document
 APPENDIX.AZ Installation instructions
 APPENDIX.BZ Configuration instructions, change parameters
 FATCAT.MMG MailMerge file, produces over 35 pages
 README.IZT Note about UNCRunch
 TYPELZ.COM TYPE-like program for CRunched files in
 libraries
 FATCATC.DZC How to use Fatcat on a C=128/single 1571 drive
 configuration
 VERS24.UPD Update history of Fatcat/inter-version
 compatibility

EPSET.LBR courtesy of Bryan Van Blaricom

EPSET.AZM Z80 source
 EPSET.CZM A Epson printer setup utility
 EPSET.DZC DOcumentation for EPSET.COM

NFORMAT.LBR courtesy of Robert Wolfe

NFORMAT.COM Preliminary version of 'N'ew FORMAT program for 1571
 including IBM/Kaypro/Osborne as well as device selection.
 NFORMAT.DOC DOcumentation for NFORMAT.COM

BASIC.LBR

DOC-TOR.BZS BASIC program to convert ASCII files to WordStar
 BIGTIME.BZS BASIC program segment to include in your program to
 utilize ADM31 video (C=128); a few other goodies

***** TPUG May 1987 ** (Z)AAP
 Title: Adventure/Fatcat-update/Girls

ADVENTUR.LBR from SIG/M
 Courtesy of Robert McKinley Jr

-CATALOG.001 Catalog of SIG/M # 001
 AD.COM Adventure main program
 ABSTRACT.001 SIG/M info
 ADVI.DAT Files
 ADVI.PTR used
 ATAB.DAT by
 COMMON.DAT Adventure
 KTAB.DAT
 LTEXT.DAT For more on ADVENTURE see:
 RTEXT.DAT BYTE magazine, May 1987
 STEXT.DAT 1) An Adventure Authoring System
 TRAVEL.DAT 2) Interactive Fiction as Literature
 ADVENTUR.MZG
 ADVT.PZR

FATCATUD.LBR

FATCATIN.MZG File required to INSTALL FATCAT on a different system
 NOT REQUIRED for FATCAT ((Z)AAN & O) on C=128
 FATCAT2X.BZG FATCAT BUG report; ONLY if installing cursor keys. NOT
 REQUIRED on C=128 because cursor keys are installed.
 Included for portability to other systems.
 FATCAT.CZG FATCAT Change, in printout for printers that cannot handle
 the character: | (the vertical bar, pipe indicator in UNIX).
 DPS1101 (daisy) in ASCII mode (use CONF) prints this character,
 MPS801 (matrix) does not.

NUDGIRLS.LBR

A blast from the past. Folks, this is where everyday computer graphics
 came from. Usually printed on a line printer in a few seconds. If you
 don't look at Playboy, skip these, others -- beware the navel gazing.

JANE.NQD Picture files in ASCII character, you may need tab expansion
 SUSAN.NQD Usual tab=8 should do
 PINUP1.PQC
 BARBIE.NQD
 MORGANA.NQD

***** TPUG June 1987 (Z)AAQ
 Title: ECF / Freebase / Filt7

ECF.LBR - Rolodex card file a desk top accessory.
 FREEBASE.LBR - Freeform data base management system.
 FILT7.COM - Removes misc. commands from certain word processors such as
 dot commands in wordstar text. See FILT.DOC for info..
 WASH.COM - CP/M utility.
 ARTICLES,6,7.TQT- Articles on CP/M from earlier issues of Input Magazine,
 a lot of information is enclosed in these articles.
 HEXDUMP.COM - Transfers files in HEX.

***** TPUG July 1987 ** (Z)AAR
 Title: Read Disk Utilities/Outliner

This is a landmark disk in the TPUG CP/M series because it extends the C128 capabilities by a quantum leap. Also included is an outliner program to augment VDE/VDO & GTXT, a good utility.

DISK1581.LBR	Two utilities by Miklos Garamszeghy 1) patch CP/M3.0 to read 1581 disks 2) format 1581 in CP/M 800K+ bytes
RDCBM.LBR	Add the capability to read native C64/C128 disks while in CP/M
RDMSDOS.LBR	RDMS233 written in 'C', modified to read MS/PC-DOS formatted disks in CP/M
UNIDRIVE.LBR	Read additional CP/M formats including Radio Shack CP/M. NOTE: no comparable capability to FORMAT exists. This simply gives you the ability to read additional 'foreign' CP/M disks. I wouldn't recommend writing if compatibility problems are a consideration so be sure to test by writing on a copy of the disk.
OUTLINER.LBR	Submitted by Chris McCormack - an outline program.
GTXT.LBR	A neat program with a .SUB file to combine GTXT with a text file so running the resulting .COM file results in the text being printed to the screen. When ECHO doesn't do the job.

***** TPUG August 1987 ** (Z)AAS
 Title: MicroPROLOG/TOUR/NSWP208

EPRO.LBR	MicroPROLOG as reported in Scientific American, BYTE and the book, "Learning Micro PROLOG", by Tom Conlon. Includes source, example programs & VALGOL
TOUR20.LBR	A outline/notepad/datebook type program. Submitted by Chris McCormack
NSWP208.LBR	The latest version from Dave Rand, originally from Edmonton, now from California

***** TPUG September 87 ** (Z)AAT
 Title: KEY128/VDE/COBOL

KEY128.LBR	Two programs to save/load KEYFIG key definitions Includes source code
VDE25.LBR	Latest version, with many enhancements
COBOL.LBR	The main frame programming language on a micro Includes several .CBL source programs

***** TPUG October 1987 ** (Z)AAU
 Title: Chicken/Snoopy/MEX114

CHICKEN.LBR	A video game in CP/M. No hi res graphics but fun just the same. Two players & keyboard entry.
CHICKEN.CZM	Documentation
CHICKEN.DZC	Pascal source
CHICKEN.PZS	
MEX114/C.LBR	Version 114 of Modem Executive
MEX.CZM	Overlays for PULSE phone dialing
MEX.HZP	Online HELP file
MEX10.DZC	DOCumentation, print it or use MEX TYPE command
MX1-C128.AZM	User port overlay source listing
MX0-SM14.AZM	Smart Modem overlay source listing
MEX-C128.INF	INformation on MEX on C128
SNOOPY88.CAL	Snoopy calendar for 1988, print using TAB expansion
TPUGOC87.CZT	File listing of FATCAT catalog of TPUG CP/M library to October, 1987
CPMVIDEO.LZR	Using color on the C128 with CP/M 3.0. A submit file and several demos. Put CPMVIDEO.LZR, CPMVIDEO.SUB, SUBMIT.COM from your system disk, LU.COM and UNCR.COM all on a work disk, enter SUBMIT CPMVIDEO to automatically uncrunch, extract and run all the programs to see CP/M3.0 show its colors.

***** TPUG November 1987 ** (Z)AAV
 Title: NULU151/ALIENS/CCP/HIST/FRONT

It's system upgrade time, folks!! In addition to a new game and the latest version of NULU, we have two significant enhancements to CP/M itself. One allows several good features including command history as found on UNIX and the capability to execute from COMMAND.LBR merely by typing commandname<RET>. The other gives you a menu interface to execute programs. Be sure to test if you choose to combine the two as they may not operate together. Report any problems to either TPUG or the author. When using CCP.COM from CRNBERRY library, also use SETDEF *,B:(ORDER=(SUB,COM)] (see DRI CP/M Plus User's Guide for details) to set up a PATH for .SUB/.COM file searches and the ability to execute .SUB files as if they were .COM files, without having to type SUBMIT filename. For example, WORDSTAR.SUB could be executed by simply typing WORDSTAR<RET>, as if it were a .COM file. Simple? you say. WS.COM is simpler by typing WS, right? True before a history capability was available. Now you type the longer command, but the next time you need it, you cursor back to it, either in the history or using FRONT50 and re-execute by <RET>. Be sure to read the documentation. Better yet, print it out. Remember, no matter how powerful the C128 with CP/M 3.0 gets, it's not an Amiga or UNIX machine so you have get your multitasking by having files printed out BEFORE you need them.

NULU151.LBR	The latest version of NULU
ALIENS	A 'video' game in CP/M, use the keyboard, no hi-res graphics/color but challenging. Character control does not work in all games; to change direction, stop (.) then left (,) or right (/)
CRNBERRY.LBR	Several PD programs obtained from Cranberry Software
CCP.COM	Version 104, time added to prompt,
CCP+.DOC	user zero .COM files all SYS status,
CCP104.NOT	named directories
CMDRUN.COM	Like LRUN, execute .COM, .SUB & .PRL from COMMAND.LBR, just specify commandname<RET>
DIRNAME.COM } SETDIR.COM } ROOT.DIR } HIST.COM } HISTCL.COM }	----- Set up named directories
VFILER.COM	----- Setup command history facility, toggle Clear command history buffer Video FILER, like NSWP but files shown onscreen, cursor controlled, Log, Status, Tag, Untag, Copy, Delete, View, Print, etc
FRONT50.LBR	Menu front-end for CP/M
FRC128.DZC	Note about FRONT50 with CCP104/VFILER
FRNSTL50.CZM	Install program
FRNT50PT.AZM	Set options in user patch area, assemble
FRONT50.CZM	Menu FRONTend for CP/M
FRONT50.DZC	Documentation file
FRONTSUB.DZC	Repeat FRONT50 when menu selectin ended
READ.MZ	Info
CPMSOURC.IZF	Four sources of public domain AND commercial CP/M software, three in Toronto

***** TPUG December 1987 ** (2)AAW
 Title: World of Commodore V Show

The theme of this disk is a combination of word/text processing aids with some utilities featuring built-in help, ease of use and a calendar as a bonus.

CALC.COM	Hewlett-Packard RPN calculator, help
CONF.COM	CONFigure CP.M3.0 cursor/drv/prt/etc
CONF.HLP	HeLP file for CONF, enter CONF HELP<CR>
CUT.COM	Cut a column from a disk file
	Enter CUT option filename<CR>
	Options: -cs specify character column
	-dc specify field delimiter
	-fs specify field columns
	-r retain original column positions
	for character cuts(default flush
	left)
	-s print a 79-col ruler
	-t print a 131-col ruler
	-x cut columns or fields 'B(not)
	specified
	Note: s=numeric, c=alphanumeric
	Options may be chained ie. -c10rs
PASTE.COM	Paste column/file together side by side
	Options: -cn places each file in separate
	column
	-d specify delimiter between files
	-p paste prefix
	-s paste suffix
	Note: n=numeric
RDCEM.COM	Read CBM/64/128 files in CP/M, menu
SDV.COM	Super Directory, all user/libraries/print/etc
	Enter SDV \$acdlrs<CR>, for example
	A=all user areas, C=clear screen, D=all disks
	F=redirect directory to file SD.DIR, L=list
	.LBR contents, N=no page pause, P=print
	directory, R=raset disk, S=display SYS files,
	U=list user area specified, V=display version
SNOOPY88.CZL	Snoopy calendar for 1988, print using
	TAB expansion, TYPEZ SNOOPY88.CAL
SORT.COM	Sort a file ascending/descending/etc
	Options: -b ignore leading space/tab
	-dc specify field delimiter
	-fn sort on field n
	-m sort upper/lower case together
	-n sort key leading numeric string
	-r reverse order of sort
SPL.COM	SPLit a large file, default file => X.0,1,..
	Options: -cn split by character count
	-ln split by line count
	-n specify output filename
TERM.DEF	Terminal definition file for CALC
TPUGCPM.SZM	TPUG CP/M library summary, TYPEZ TPUGCPM.SUM
VDE.COM	Video Display Editor, ESC ? for help
VFILER.COM	Video FILER, PIP replacement, help=/or?

***** TPUG Dec 1987 ** (Z)AAX
 Title: HANDY/FU/BRADCON & Christensen

BRADCON .LBR

ALLFONTS.ZZZ	Font
BRADCON.CZM	Bradford Font Generator
BRADCON.DZC	Documentation
BRADFIX.PZT	
BRADFORD.MZG	Bradford cheat sheet
FONT1B.ZZZ	Font
FONT8.BZN	Font
FONT9.BZN	Font
FONTA.BZN	Font
FONTB.BZN	Font
FONTC.BZN	Font

FU .LBR

FU.CZM	File utility, disk editor
FUINST.CZM	Installation program
FUINST.DZA	Install data
FUINST.MZG	Install info

HANDY200.LBR

ACTIONPL.OZL	Action overlay
AGGENDAS.OZL	Aggenda overlay
APPOINETS.DAT	Data file
CALENDAR.OZL	Calendar overlay
DECISION.OZL	Decision overlay
DO-TODAY.OZL	Do-today overlay
DO THINGS.DAT	Data file
FONEBOOK.DAT	Data file
FONEBOOK.OZL	Phonebook overlay
HANDY200.DZC	Documentation
HANDYSYS.CZM	Handy Desk Top system: calendar/appointments
HANDYSYS.INF	Info
NOTEBOOK.DAT	Data file
NOTEBOOK.OZL	Notebook overlay
NOTETYPE.DAT	Data file
PLANNING.DZT	Data file
PLANNING.OZL	Planning overlay
REMINDER.DAT	Data file
REMINDER.OVL	Reminder overlay

CHRISTEN.SZM

'Interview' with XMODEM developer,
 Ward Christensen

***** TPUG January 1988 ** (Z)AAV
 Title: JRTPASCAL (1 of 3)

If you're interested in Pascal, give this a try.
 Put into the public domain when the company ceased operations.

ARCTAN .PZS
 CONVERTM.IZZ
 CONVERTM.IZT
 CONVERTM.PZS
 COS .PZS
 CRTMAP .PZS
 CUSTOMIZ.IZT
 DEBUG .INT
 ERASE .IZT
 EXEC .CZM
 EXP .PZS
 INDEKO .IZT
 INDEX1 .IZT
 INDEX2 .IZT
 JGRAF .IZT
 JGRAF .PZS
 JRTASM .IZT
 JRTPAS3 .CZM
 JSTAT .PZS
 LETTERS .IZT
 LINKER .IZT
 LN .PZS
 PASCALO .IZT
 PASCAL1 .IZT
 PASCAL2 .IZT
 PASCAL3 .IZT
 PASCAL .LZB

***** TPUG February 1988 ** (Z)AAZ
 Title: JRTPASCAL, MacRead, C128ColourM, etc (2 of 3)

If you're interested in Pascal, give this a try.
 Put into the public domain when the company ceased operations.

C128INFO ARK C128 Compatibility information CP/M<--->MS-DOS<--->Other CP/M disks
 COLOURM ARK A colour demo - dots, dots, dots ... use older CPM+.SYS
 MACREAD ARK Read MacPaint files
 README 1ST Info on C128INFO.ARK - UNCR.COM
 UNARC COM Un-ark, list, dir utility for .ARK files, type UNARC for info
 UNCR COM Latest version of UNCRunch utility
 VDO25 ARK Latest VDO version

JRT30 HZP JRT Pascal HeLP file
 JRTMAN IZO JRT Pascal Manual
 JRTMAN TZC JRT Table Of Contents
 JRTTECH NZT JRT Tech Notes
 PASCAL4 IZT
 PICTURE IZT
 READTHIS ZZZ
 RENAME IZT
 RESETBIT AZM
 SEARCH IZT
 SETBIT AZM
 SIN PZS
 SQRT PZS
 TESTBIT AZM
 VERIFY IZT

***** TPUG March 1988 ** (Z)ABA
 Title: JRTPASCAL Manual (3 of 3)

If you're interested in Pascal, give this a try.
 Put into the public domain when the company ceased operations.

JRTMAN xxx - numerous files

***** TPUG April 1988 ** (Z)ABB
 Title: Games, Games, Games

OOPDEPT.TXT
 DOTHINGS.DAT
 FONEBOOK.DAT
 REMINDER.DAT

Note about HANDY200
 Missing files from HANDY200

ALANTIS .BZS 9k
 AUSOPLAY.BZS 14k
 CIA .BZS 8k
 CORPORAT.BZS 3k
 FIGHTER .BZS 3k
 FOOTBALL.LBR 19k
 MBASIC .CZM 23k
 MBASIC .HZF 10k
 PQUACKY.BZS 7k
 QIXGENER.LBR 16k
 SURVIVAL.BZS 10k

An adventure game
 Australian Monopoly
 An adventure game
 Run a corporation without going bust
 A 'video' game, fix it, figure it out
 Likely an original
 Don't ask
 Help file from KUG
 A word game
 A video game, figure it out, have fun
 An adventure game

***** TPUG SHOW 1988 ** (Z)ABC
 Title: ARC comes to CP/M

ARK02.ARK

-READ.ME
 -VERSION.02
 ARK.COM

Utility to create ARChive files in CP/M

SD118ARK.LBR

SD118.AZM
 SD118.CZM
 SD118.HZF
 SD118.HZS
 SD118.IZF
 SDREM118.AZM

Super Directory for .LBR/.ARK files

Source code
 Does not support drive M:
 Help file
 History info
 INFO

UNARC.COM
 UNARC.ARK

UNARC.DOC
 UNARC.FOR
 UNARC.MSG
 UNARCOVL.ASM

Source code
 UNARC<RET> for help, dir/extract from .ARK
 .DCC/.ASM for UNARC

***** TPUG May 1988 ** (2)ABD
 Title: JUGGDEMO/*.B?S/Kalendar

The feature addition to the TPUG CP/M library, this month, is a fantastic utility by Miklos Garamszeghy for users with friends using CP/M on another (130+ types) computer, ie Toshiba 100. This is the demo version with restrictions, but it supports the addition of one disk format to the standard ones supported by CP/M3.0 on the C-128. For two additional formats and the full choice plus additional features described in the program, ordering instructions are also provided. The price will be the biggest surprise. Commercial programs like this sell for \$100.00

CAL.* and KAL*.* are two calender utilities. If you can fix the bug in CAL.BAS that shows up when you enter May, 1917, resubmit the corrected file and get the usual free disk. KALENDAR is a Pascal program written in German with the .COM file hard coded to write a calendar file to disk B:.. However, for those who don't have a second disk drive, CONF permits the reassignment of read/writes to B: to be redirected to 8-0. Change the KAL.SUB file to reflect this situation and you experience the flexibility of CP/M3.0 - redirection; no need to give up or run out and borrow/buy another disk unit. Try that with an assembled or compiled program on a C-64 or native C-128.

The remaining *.B?S files are Basic programs that you may find interesting. They originate from the Kaypro Users Group and may be written for Kaypros and Basic-K. They may be adaptable to CBasic, MBasic or E-Basic. If you get one to work, resubmit the upgraded code and get a free disk of your choice.

ATOMIC	.BQS	List/search atomic table
BAR	.BQS	Bartender program
BAR	.DOT	
CAL	.SUB	Run CALENDAR.BAS
CALENDAR	.BAS	Screen display of calendar month requested, year, month input
CASH	.BQS	Cash flow analysis, income statement, balance sheet
CHECK	.BQS	Check book program
DC10	.BQS	Fly a DC10 on Kaypro
FIREMAN	.BQS	Rescue victims of hi-rise fire
JUGGDEMO	.COM	Disk format/read/write CP/M disks from other CP/M computers
KAL	.SUB	Redirect B: to device 8-0 if only one disk device, change .SUB
KALENDAR	.COM	Create disk file of calendar for year requested
KALENDER	.DOC	Documentation
KALENDER	.POS	Pascal source
TERM	.DEF	
MATH	.BQS	Improve add/subtract/multiply/divide/fractions skills
RENTAL	.BQS	Manage rental property program
TEACHER	.BQS	Setup tests on disk/print:true or false/multiple choice/fill in blanks
VOCAB	.BAS	Test your vocabulary
XMAS	.BQS	Quizz about Bible

***** TPUG June 1988 ** (2)ABE
 Title: SMALL 'C' Run Time Programs (1 of 2)

This disk is a reissue, with additions, of (2)AAA's Small 'C' compiler. A TPUG user from Australia, Alan Hughes ordered the disk and reported problems with the copy he received. Upon investigation, several files were noted missing and because so much work is required with the basic system, just to compile a program, several .OBJ (required for ZLINK) are included in the compiler run time package, even though the 'C' source files are available. Also included is TEST.COM, as compiled from TEST.C, so you can see what it does before you use it or any of the modules. The result is a package that is almost 400KB of source code, e documentation that could be operated on a single disk system. However, a 1581 3.5" disk or 1750 model ram expansion module would be preferable. Be sure to print the source and documentation files.

ACOPY.COM	Copy utility with options, enter ACOPY <RETURN>
BOX1.ARK	Put boxes around text files CP/M, PC versions, Pascal source demo
NC.LBR	Copy utility
SMALC12R.LBR	Small C compiler, assembler, link editor

***** TPUG July 1988 ** (Z)ABF
 Title: SMALL 'C' Documentation/Source (2 of 2)

SMALC12D.LBR Small C documentation, source files.
 CHR128-2.lbr A CP/M character editor like C-64/128, create your own set.
 ARCOPY21.ARK A new copy utility with new features: selective, if not new, if
 already on destination, if changed since last backup and others.

***** TPUG Aug 1988 ** (Z)ABG
 Title: Clock, Menu, Mille, Unpit

128MENU .LBR	13k		
MENU .AQM	7k	Assembler source code	
MENU .COM	1k	Run programs from MENU for C128	
MENU .DOC	5k	Documentation	
CLOCK128.LBR	13k		
CLOCK .CZM	1k	CLOCK program, load date/time at boot	
CLOCK .DZC	3k	Documentation	
CLOCK .MZC	9k	Assembler source code	
MENUDEMO.LBR	7k		
DATABASE.MZU	1k	Menu programs for MENU.COM, database	
DEMO .MZU	1k		
DIR .MZU	1k		
GAMES .MZU	1k		
HELP .MZU	1k		
MAIN .MZU	1k		
MOREDEMO.MZU	1k		
SS .MZU	1k		
TELECOMM.MZU	1k		
UTIL .MZU	1k		
WP .MZU	1k		
MILLE .LBR	12k		
MILLE .BQS	11k		
MILLE .DOT	1k		
NEWCHARS.LBR	38k		
BALLOON .CZR	3k	Screen fonts from Darkterm64	
BUBBLE .CZR	3k	Use them to change the look of	
CALLIGPY.CZR	3k	your CP/M 3.0 screen	
CSLOAD .CZM	8k	Load character sets	
DIN .CZR	3k		
ELITE .CZR	2k		
READ .1ST	3k	Read me first	
ROMA .CZR	3k		
SLANT .CZR	3k		
SMALL .CZR	2k		
STANDARD.CZR	3k		
TECH .CZR	3k		
UNCRUNCH.COM	6k	Uncrunch files	
NULL .LBR	4k		
NULL .AZM	3k	Assembler source file	
NULL .CZM	1k	Create null length files in CP/M3.0	
RSXMAP .LBR	17k		
RSXMAP .COM	12k	Show Resident System extensions	
RSXMAP .CO	6k	C source file	
UNPIT .LBR	17k		
UNPIT .CZ	7k	C source file	
UNPIT .CZM	10k	UnPackIT Macintosh files	
UNPIT .DZC	1k	Documentation	

***** TPUG Sept 1988 ** (Z)ABH
 Title: Disk Utility, Find Bad Tracks,
 Format & Quick Look

DU-C128 .CZM	6k	Disk Utility for C-128
FBADC128.CZM	4k	Find Bad Tracks for C-128
FORMAT .LBR	28k	Format with <drive> on command line
FORMAT .AZM	23k	Assembler source file
FORMAT .CZM	4k	FORMAT <dn:>
FORMAT .DZC	1k	Documentation
QL26 .LBR	88k	Note
-QL .FOR	1k	
QL26 .AZZ	41k	QL26 for instructions
QL26 .CZM	5k	Documentation
QL26 .DZC	12k	Update info
QL26 .UZD	4k	ZCPR3 version
QL26Z3 .CZM	6k	
UNC .AZZ	11k	
Z1 .CZM	11k	

***** TPUG Oct 1988 ** (Z)ABI
 Title: Batch+, Chalk21, Chn, Sources
 & Duplicate User Access

BATCH+ .LBR	31k	Batch/submit feature additions/ enhancements
BATCH+ .DOC	5k	
CHN30 .AQM	9k	
CHN30 .COM	1k	
CHN30 .DOC	7k	
CHN30DIM.COM	1k	
IF .AQM	3k	Conditional test in submit file
IF .COM	1k	
IFNOT .AQM	3k	Conditional test in submit file
IFNOT .COM	1k	
WAIT .AQM	3k	Pause in batch file
WAIT .COM	1k	
CHALK21 .ARK	59k	Spreadsheet for CP/M3.0
CHALK .COM	10k	Documentation
CHALK .DOC	10k	
CHALKEX .DOC	2k	
CHALKUSR.DOC	1k	Spreadsheet templates
CHKCASH .BRD	2k	
CHKCHECK.BRD	1k	
CHKCLASS.BRD	1k	
CHKMETER.BRD	1k	
CHKPHONE.BRD	1k	
CHKSALES.BRD	1k	
CHKSIMP .BRD	1k	
CHN31 .LBR	17k	Enhancement to files in BATCH+
CHN31 .CZM	1k	Documentation
CHN31 .DZC	7k	
CHN31 .MZC	8k	
CHN31DIM.CZM	1k	Sources of CP/M software/hardware
CPMSRC3 .LZT	4k	
DUPUSR .LBR	3k	Use program from different user areas without multiple copies
DUPUSR .COM	1k	
DUPUSR .DOC	2k	

***** TPUG Nov 1989 ** (Z)ABJ
 Title: NEWBoot, Snoopy89.cal, Picture
 Files for MACREAD

66MUSTNG.PZC Picture files, crunched, to be read with MACREAD
 84PLAY .PZC from (Z)AAZ
 BEACHGRL.PZC //
 BEDNUDE .PZC //
 BILLCAT .PZC //
 DEMON .PZC //

NEWBT.LBR New boot system for 1540 speed using 80col
 with trusty ol' 1541
 FORM .CZM
 FORMD .CZM
 NEWBT .AZM Source file
 NEWBT .COM
 READ .ME Notes
 Z80 .LZB LIBRARY file for assembler MAC/ZMAC

SNOOPY89.CAL THE famous SNOOPY calendar for 1989

***** TPUG SHOW 1988 ** (Z)ABK
 Title: World Of Commodore VI
 EXPRESS editor & Best of '88

E .COM EXPRESS editor V1.0, many features
 ECONFIG1.COM Configuration for EXPRESS editor
 EXPRESS1.DZC Documentation for EXPRESS
 EXPRESS .OVL Additional features for EXPRESS
 FORMAT .COM New format allowing DU specified on command
 line ie. FORMAT B:<return>
 MACREAD .COM Read Macintosh picture files MACREAD filename
 66MUSTNG.PIC Ford classic
 BILLCAT .PIC Bloom county critter
 QL26 .COM Quick Look ASCII/hex/unsq/uncr, more
 SD118 .COM Super Directory .LBR/.ARC/.ARK, more
 SNOOPY89.CAL 1989 Snoopy calendar

***** TPUG DEC 1988 ** (Z)ABL
 Title: CPM3FIX/BAWK/TAIL/UNPIT & Weird
 People

BAWK .LBR A text processing program that searches files for
 specific patterns and performs "actions" for every
 occurrence of these patterns. The pattern can be
 a "regular expression" as used in the UNIX "ex"
 editor. The actions are expressed using a subset of
 "c" language. Source for standard "C".
 CPMCONF .TZX Brief account of CPM guru conference
 CPM3FIX .LBR Fixes for problems to CPM3/utilities from DRI including
 submit files. Note: one fix has a warning. TPUG not
 liable for any damages due to use of this file.
 FILES .TZX File handling in CPM & MS/PC-DOS
 TAIL21 .LBR The UNIX TAIL utility to look at the end of an ASCII
 file.
 UNPIT .LBR UNPackIT Macintosh files - especially those picture
 files from MacPaint.
 WEIRDPP.LBR A Macintosh picture file of some strange people. You
 may need to delete part of the beginning of the file.
 ZCPR3 .TZX A brief description of ZCPR3. Advanced CPM3 users will
 recognize most of the features. Flow control is not
 readily available, yet but PD solutions address that
 area, much of the rest mentioned here, except the
 Z3INV option; have some counterpart in CPM3.

***** TPUG JAN 1989 ** (Z)ABM
 Title: WADE & Z8E Debuggers 1/3

The next three disks present a pair of debugging tools for program development in the CP/M environment. To complement the DRI debuggers, DDT for CP/M 2.2 and SID for CP/M 3.0, the WADE debugger comes complete with source code and submit files. Z8E has been around for a few years but is included to complete our CP/M library.

This disk contains 235,136 bytes of data/documentation in the archive file.

-READ	.ME	3328	Note from author
CODEND	.MAC	128	Macro source file
EWADZ	.COM	15488	WADE debugger
GENWADE2	.SUB	512	Submit file to generate WADE for CP/M 2.2
GENWADE3	.SUB	512	Submit file to generate WADE for CP/M 3.0
GENWADES	.SUB	512	Submit file
MON	.MAC	5504	Macro source file
MONBREAK	.ASM	16128	Source file
MONDIS	.ASM	4096	" "
MONEXPR	.ASM	11520	" "
MONIT	.ASM	32768	" "
MONOPT	.LIB	512	Macro library
MONPEEK	.ASM	8576	Source file
MONROM	.ASM	8832	" "
MONSYM	.ASM	9600	" "
MONSYMS	.ASM	6400	" "
MONTAB	.ASM	25728	" "
PRINTP	.LIB	4480	Macro library
README	.CRS	1024	Note
STRIPH	.MAC	768	Macro source file
WADE	.ASM	3072	Source file
WADE	.WS	40320	Documentation in WordStar format
WADE2	.COM	14592	WADE debugger for CP/M 2.2
WADE3	.COM	14336	WADE debugger for CP/M 3.0
Z80	.LIB	6400	Macro library

For additional files, see (Z)ABN, the February 1989 disk.
 For the Z8E debugger, see (Z)ABO, the March 1989 disk.

***** TPUG FEB 1989 ** (Z)ABN
 Title: WADE & Z8E Debuggers 2/3

BU13	.LBR		
BU13	.CZ	16k	BU13 C source
BU13	.CZM	10k	Incremental BackUp utility like PIP archive hard disk & floppies
BU13	.DZC	7k	Documentation
BU13C	.CZ	16k	BU13C C source
BU13C	.CZM	10k	BU for C128
DA23	.LBR		
DA	.COM	2k	Directory Attributes, RW,RO, archive, etc.
DA	.DZC	5k	Documentation
WADE2	.ARC		
MONASM	.ASM	7424	Source file
MONCPM	.ASM	26624	" "
MONSUB	.ASM	16256	" "
PRINTP	.ASM	17280	" "
WADE	.DOC	48768	Documentation

***** TPUG MAR 1989 ** (Z)ABO
 Title: WADE & Z8E Debuggers 3/3

```

TOOLS .LBR

CP .CZ 3k CoPy PIP replacement
CP .DZC 2k Documentation
CP .UPD 1k CP UUpdate file
DL .AZM 1k DL source
DL .CZM 1k DeLeTe ERA replacement
DL .DZC 2k Documentation
DLQ .AZM 1k DLQ source
DLQ .CZM 1k DeLeTe sQueezed files
DLQ .DZC 1k Documentation
DLZ .AZM 1k DLZ source
DLZ .CZM 1k DeLeTe Z-crunched files
DLZ .DZC 1k Documentation
DUMP .CZM 5k DUMP replacement
DUMP .DZC 1k Documentation
FMT84 .CZM 1k FORMAT replacement - Kaypro only
FORMAT .DZC 1k Documentation
LIST .CZ 1k LIST C source
LIST .CZM 7k LIST files TYPE replacement
LIST .DZC 2k Documentation
LS .CZM 2k List directory DIR replacement
LS .DZC 2k Documentation
PR .CZM 5k Print files
PR .DZC 2k Documentation
RN .CZM 4k ReName files REN replacement
RN .DZC 1k Documentation
SYSGEN .DZC 1k Documentation Kaypro
TOOLS .DZC 4k Documentation from the author

Z8E .LBR

Z8E .CZM 10k Z8E (Z eighty) debugger
Z8E .DZC 73k Z8E documentation
Z8E .SYM 1k Z8E symbol file
    
```

***** TPUG APR 1989 ** (Z)ABP
 Title: Quick Look V 4.0

Quick Look is the ultimate file display utility. It provides ASCII or HEX display (no need for two separate utilities), it operates in paged or scroll mode (glass TTY), has built in help, find feature and this new version has a menu structure that provides a pick-a-number approach to selecting the disired filename PLUS .LBR file support with the same menu support for the .LBR directory and extract capability. All together, one of the best utilities on any make of computer - here, today, for CP/M.

```

QL40 .FX2 a fix file
QL40 .FZX another fix file
QL40 .LBR
    -QL40 .FOR application note for QL
    -RELEASE.NZT release information
    QL .OZ1 files to customize QL
    QL .OZ2 "
    QL .DZA "
    QL-OLD .DZC original QL documentation
    QL40 .AZZ QL source
    QL40 .CZM generic QL, no clear screen, reverse video
    QL40 .DZC version 4.0 documentation
    QL40-CFG.DZC configuration documentation
    QLZ40 .CZM custom QL for ZCPR/Z3 environment
    UNC .LZB LIB file for customization
    Z1 .CZM

QL40-128.COM QL40 for C-128, includes clear screen, reverse
QL4-128R.ME video and half/full intensity features
notes on QL40-128
    
```

***** TPUG APR 1989 ** (Z)ABQ
 Title: Computer Expo Show Disk

This is a fully automated disk. Copy the files to a 1571/1581, double sided disk, add CPM+.SYS and SUBMIT.COM from your own boot disk and you have a completely automatic disk. Just put the new disk in your A: drive and reboot your system (C=128: CONTROL & ENTER on numeric keypad). If you have trouble with LOAD ERROR messages, exit to CP/M and use QL40 to extract the troublesome file from COMMAND.LBR.

CCP.COM CCP104 replacement for CCP.COM . From disk (Z)AAV.
 CMDRUN.COM Permit .COM files to execute when stored in .LBR. (Z)AAV.

COMMAND.LBR

 BOOZ.COM Bare bones ZOO list/extract utility. BOOZ<return> for help.
 From an upcoming disk.

 ECHO.COM Echo argument to screen. (Z)AAJ.
 HIST.COM Command history facility, store latest commands, recall with ^W
 or ^V. List with ^L. (Z)AAV. DO NOT USE WITH MENU.COM.

 LOADKEY.COM Utility to load redefined key files. (Z)AAT.
 MENU.COM Operate CP/M with menus. (Z)ABG. DO NOT USE WITH HIST.COM.
 QL40.COM Quick Look file/RAM view utility, supports .LBR, squeezed
 and crunched files, select by number. (Z)ABP.

 RSXMAP.COM Display Resident System eXtension modules, addresses, more.
 (Z)ABG.

 VAX.TZT Article on Digital Equipment VAX user experience in Big
 Blue country. NEW.

 VDE.COM Video Display Editor, a good editor for ASCII files. (Z)AAT.
 VDE.HZP VDE help file, use ESC then ? in VDE. If you don't under-
 stand the display, view this with QL40. NEW.

 VFILER.COM A indispensable file handling utility. Copy, rename, view,
 print, tag/untag, mass copy or delete, help screen.
 (Z)AAV.

LOGO.COM Print C= logo. NEW.
 MAIN.MNU Operate this disk from a menu. NEW.

MATHEMAT.ZOO File to test BOOZ on. NEW
 MATHEMAT.ANN Announcement of Mathematica for other computers, perhaps
 Amiga.

 ZZENDPAD.FOO File to protect 'archive' when XMODEM transfer.

MENU.COM Operate CP/M in menu mode. (Z)AAV.

PIPMAG1.LBR CP/M electronic newsletter. NEW.
 C128FILE.LZB GENie LIB's 1-10, files for C=128
 COMPRESS.TZT Tutorial on file compression: .LBR, .xQx, .xZx files.
 MAGEKS.TZS List of CP/M info: magazines & books.
 NEXTISS.PZP About the next issue of PIPMAG.
 QDPRESS.DZC Q-Disk press release, from Herne Data.
 S81UTIL.RZV SSI 1581 Utilities review.

PROFILE.SUB BOOT CP/M, this file loads LOGO, HIST, MENU. NEW.

ZABQTYPE.ME About this disk. (C) 1989 TPUG, Inc.

***** TPUG MAY 1989 ** (Z)ABR
 Title: Transfer, Zoo, Ark, VLU

This disk brings a new IBM & compatible disk utility that increases the utility of the C=128 in a mixed machine environment. Better features than the commercial utility that handles IBM & compatible disks (ie. ERA & REN options); still does not support sub-directory feature.

Also included, an update to the CP/M archive utility and CP/M version of the new archive utility, ZOO, widely available in the PC and Amiga world. Coming next month: ZIPDIR, view directories of *.ZIP files.

Also, VLU, a ZCPR3 utility.

ARK035 .LBR			
-READ .MZ	2k		ARK035 information
-VERSION.OZ5	3k		Version information
ARK .CZM	10k		Updated ARKive utility
BOOZ4CPM.LBR			
ADDBFCRC.CZ	2k		Source in C
BOOZ .CZ	5k		Source
BOOZ .CZM	10k		Barebones ZOO for CP/M, new compact/archive
BOOZ .DZC	4k		Documentation
BOOZ .PZJ	1k		
CPM .TZT	1k		Notes on CP/M implementation
FUNC .HZ	1k		.h file
LZD .CZ	3k		Source
MAKEFILE.MZC	1k		
MAKEFILE.NZX	1k		
OOZEXT .CZ	5k		Source
OOZIO .HZ	1k		.h file
OPTIONS .HZ	1k		.h file
PORTABLE.CZ	2k		Source
USENET .TZT	2k		Comments
ZOO .HZ	2k		.h file
PIPMAG2 .LBR	32k		
BOOKREV .DZR	3k		Review of C=128/CP/M books
COMPRESS.RZS	4k		
COPYRITE.DZC	1k		
CPMLIB .JZ0	4k		
CPMSOURC.PZT	4k		
DBASEFIL.CZH	6k		dBASE II example
DBBOOK .JZ0	2k		dBASE II book review
EDITORI .NZJ	3k		
HARDWARE.NZJ	4k		
HELPHelp.HZP	3k		
JUGGLER.RZS	5k		Jugg'ler review
QDISK .NZJ	6k		QDISK news release
TRANS128.LBR	22k		
TRANS128.CZM	19k		Format/read/write/dir/era/ren PC/MS-DOS disks in CP/M. Menu operated, does it all but requires full TPA so you cannot have any RSX's loaded. Supports 5.25" drives ONLY
			NOTE: format is hard coded to access device A: so use CONF DRV or 1571/1581 switches, to reconfigure
TRANS128.DZC	4k		Documentation
VLU .CZM	15k		Video Library Update: from Z3 world, modified to run under CP/M 3.0. Note: this version has numerous bugs. It is included to show the value of the utilities that exist in the Z3 world and now available to C=128 users with the recent release of Z3 Plus. Coming soon: a complete Z3 disk. For information on Z3 Plus, see recent issues of Transactor, Twin City 128 newsletter & Computer Shopper

***** TPUG JUNE 1989 ** (Z)ABS
Title: BYE, CHAT

BYE510 .FZX 2k Fix for BYE510
BYE510A .LBR 90k BYE source, documentation RCP/M monitor, part I of II
CHAT45 .ASM 19k Source for RCP/M 'talk' program
RCPM-GUI.DE 4k Quick guide for RCP/M's
REALSYSP.DZC 5k Notes on being a sysop

***** TPUG JUNE 1989 ** (Z)ABT
Title: BYE, DIF

BYE1670 .LBR 32k BYE .INS, EQU list for C=128 plus executable versions
BYE510B .LBR 66k BYE part II
DIF22 .LBR 19k UNIX differential file compare ala UNIX see SSED

***** TPUG JUNE 1989 ** (Z)ABU
Title: PBBS

PBBS-45A.LBR 122k Public BBS, charityware, M80 source/.REL excellent message system for Z80 computers, part I of II

***** TPUG JUNE 1989 ** (Z)ABV
Title: PBBS, CCF,

CCF .LBR 10k Copy, combine, expand & reverse files
PBBS-45B.LBR 100k PBBS, part II
PDSTD02 .LBR 15k Public domain software standards proposal

***** TPUG JUNE 1989 ** (Z)ABW
Title: LH, PBBS

LH-CPM11.LBR 23k From Japan, list and/or extract members from LHARC archives (.LZH extension)
PBBS41-1.FZX 1k PBBS fix
PBBS41-2.FZX 2k PBBS fix
PBBSUP45.LBR 91k PBBS .PBS files, 78 page documentation, .SUB files

***** TPUG JUNE 1989 ** (Z)ABX
Title: LUX, UNSIT

LUX101 .LBR 50k Library Utility extension, RCP/M utility for .LBR/.ARC/.ARK files, RSX for Z80 computers
UNSTICPM.LBR 51k UNStuffIT utility for Macintosh archive files

***** TPUG JULY 1989 ** (Z)ABY
Title: More PBBS (Including update),
BYE5 Inserts & RCP/M
Utilities

PBBSFIX .LBR 22k Fixes to April 17/89 PBBS release, especially PBBS45.MAC, PBYE45.MAC, PBBSUBS.REL & CONVRT45.COM. Also included: (new) PBBS45.UPD.
PREG451 .LBR 36k Registration program in assembler source.
PSTAT453.LBR 28k Examines various settings of PBBS, option/menu mode, requires BYE5 and PBBS45 or later.
VANDAL .LBR 8k Alias files for RCP/M to warn users trying to ERA, REN, SAVE & WHEEL, which calls VANDAL.COM and saves login ID.
WHEEL31 .LBR 10k Set/clear WHEEL byte: provides security for RCP/M.

***** TPUG JULY 1989 ** (Z)ABZ
Title: More PBBS

PMMSG45 .MZC 27k PBBS utility to enable file message entry, assembler source.
PUSER45 .LBR 40k Print PBBS user list on screen/printer; documentation, assembler source & .REL library.

***** TPUG JULY 1989 ** (Z)ACA
 Title: More PBBS (Including update),
 BYE5 Inserts & RCP/M
 Utilities

BYE5INS1.LBR 128k BYE5 RS-232 inserts for 15 + computers, see
 BYE5-INS.LST, also (Z)ABS & (Z)ACB

***** TPUG JULY 1989 ** (Z)ACB
 Title: More PBBS (Including update),
 BYE5 Inserts & RCP/M

BYE5INS2.LBR 65k BYE5 RS-232 inserts for 15 + computers, see BYE5-INS.LST,
 also, (Z)ABS & (Z)ACA

BYE5INS2.LBR 104k

***** TPUG JULY 1989 ** (Z)ACC
 Title: More PBBS
 Utilities

B5-CLOCK.LBR 89k BYE5 overlays for 20 + real time clock (RTC)
 see B5-CLOCK.LST, also (Z)ABS

***** TPUG JULY 1989 ** (Z)ACD
 Title: More PBBS (Including update),
 Utilities

CHAT46 .LBR 28k Assembler source interactive program to allow remote
 user to "chat" with RCP/M sysop, requires BYE or MBYE.
 COMMANDS.LBR 6k Assembler source/COM files to list commands for remote
 user in CP/M.
 LUX541 .LBR 73k Source/COM/SUB & DOC files; utilities to support LBR/
 ARC & ARK files: TYPE, SEND, DIR, more.

***** TPUG AUG 1989 ** (Z)ACE
 Title: MBBS & BBS Utilities

MBBS45A .LBR 124k Micro BBS, in compiled BASIC, latest version from Kim
 Levitt's Los Angeles RCPM, just print documentation,
 configure & run using either the previously issued version
 of BYE already configured for the C128 or MBYE.

***** TPUG AUG 1989 ** (Z)ACF
 Title: MBBS & BBS Utilities

MBBS45B .LBR 121k Micro BBS, in compiled BASIC, latest version from Kim
 Levitt's Los Angeles RCPM, just print documentation,
 configure & run using either the previously issued version
 of BYE already configured for the C128 or MBYE.

***** TPUG AUG 1989 ** (Z)ACG
 Title: MBBS & BBS Utilities

MBBS45C .LBR 20k Micro BBS, in compiled BASIC, latest version from Kim
 Levitt's Los Angeles RCPM, just print documentation,
 configure & run using either the previously issued version
 of BYE already configured for the C128 or MBYE.
 MBBSMEX .LBR 2k MBBS logon/mail retrieval READ script for MEX.
 MBBSUDEL.LBR 20k MBBS user delete utility in compiled BASIC w/source.
 MBNOTE01.LBR 2k MBBS note utility that adds directly to MESSAGES.BBS file.
 MBXMK484.LBR 9k Use Kaypro 8'84 and MBYE3x or KMODEM.
 MFMSG20 .LBR 28k MBBS file-to-message utility, local or remote operation.
 Allows user to compile messages/responses offline, logon &
 enter messages by transferring files in text or batch mode.
 Sample .MSG file.
 MSGENT02.LBR 17k MFMSG file creator, requires 63K TPA, try it on yours to be
 sure, Pascal source included
 MTIME10 .LBR 11k MBBS utility to show date/time/time remaining.

***** TPUG AUG 1989 ** (Z)ACH
Title: MBBS & BBS Utilities

RZMP13 .LBR 34k For RCPM's, provides remote zmodem file transfer facility, requires BYE5 with two changes, overlay. Sample overlay provided.
ZMP15 .LBR 78k Allows user to call RCPM with zmodem transfer facility. Xmodem, Xmodem-1k, Ymodem & Zmodem. Requires .OVR file, 5 .OVR files included. Permits interrupted transfers to be resumed.

***** TPUG AUG 1989 ** (Z)ACI
Title: MBBS & BBS Utilities
ZMP Overlays

ZMPOVL5A.LBR 102k ZMP overlays, none here for C128. Any volunteers?

ZMO-1805.ZZO 10k : ZMO-AL05.ZZO 9k : ZMO-AM05.ZZO 11k : ZMO-BB05.ZZO 7k
ZMO-BW05.ZZO 7k : ZMO-CP05.ZZO 7k : ZMO-EP05.ZZO 7k : ZMO-HB05.ZZO 10k
ZMO-HP12.ZZO 7k : ZMO-KP11.ZZO 9k : ZMO-MD05.ZZO 7k : ZMO-MH05.ZZO 7k
ZMO-MIC5.ZZO 7k : ZMP-OVL5.FOR 1k : ZMP-OVL5.LST 1k

***** TPUG AUG 1989 ** (Z)ACJ
Title: MBBS & BBS Utilities
ZMP Overlays, ZLUX

TVMBBS .LBR 12k For TeleVideo 803H with MBEYE, MBBS & XMODEM.
XMPX1 .NOT 3k Use XMODEM105, MBEYE with RTC overlay.
ZMPOVL5B.LBR 52k Fix XMODEM so user cannot operate transparently.
XM-MBYE .DQC 4k ZCPM3 shell for RCPM's: provides BYE, CAT, CHAT, DIR, FILES, HELP, LUX, SEND, SENDK & TYPE with KMD or XMODEM.
ZLUX25 .LBR 56k More ZMP overlays.

***** TPUG AUG 1989 ** (Z)ACK
Title: MBBS & BBS Utilities
XMODEM125

XMDM125 .LBR 113k XMODEM source, requires overlay

***** TPUG AUG 1989 ** (Z)ACL
Title: MBBS & BBS Utilities
XMSTAT

MBYE45 .LBR 83k Modular BYE for MBBS, source, remote console program.
XMSTAT13.LBR 40k RCPM utility to read XMODEM.LOG and report utilization statistics to console, printer or file.

***** TPUG AUG 1989 ** (Z)ACM
Title: MBBS & BBS Utilities
MBYEOV2A overlays

MBYEOV2A.LBR 119k MBEYE overlays, none here for C128. Can anyone do one?

***** TPUG AUG 1989 ** (Z)ACN
Title: MBBS & BBS Utilities
MBYEOV2B overlays
XMODEM overlays

MBYEOV2B.LBR 29k MBEYE overlays
XM97OVRL.LBR 89k XMODEM overlays

***** TPUG SEPT 1989 ** (Z)ACO
Title: Wator, CAL32, FMAP, RENAMZ13
& Z-PLAN

CAL32 .LBR 32k Calendar/notepad utility for CP/M & Z3Plus/C-128
FMAP .LBR 7k Map files on disk showing allocation units
RENAMZ13.LBR 16k Rename utility
WATOR-KP.CZM 11k World of WATOR, LIFE-like
Z-PLAN .LBR 26k Info about NZCOM/Z3Plus offer

***** TPUG SEPT 1989 ** (2)ACP
 Title: Z3Plus: Utilities & Games

Z3Plus? What is it? Why does the TPUG library have programs that I can't even run on my C=128?

Z3Plus is the CP/M Plus (otherwise, CP/M 3.0) version of an automatic install program for Z3CPR3.4 (Z-80 Command Processor Replacement). Prior to NZCOM (for CP/M 2.2) & Z3Plus, installation of ZCPR was a comprehensive process, not for the faint of heart. In the case of CP/M Plus it was not possible.

ZCPR is a replacement for CCP.COM that provides features usually associated with MS/PC-DOS and/or UNIX such as shell programs, submit/batch file flow control (IF, ELSE, more), command history file, named directories, search paths, the complete ZCPR toolkit, Z-utilities and much more. Some of these features are available in the TPUG library: named directories, flow control, command history, etc. With Z3Plus, the features are usually enhanced: for example, HIST197 provides a limited, RAM-based command history where Z3Plus/EASE provides a command history file. That may seem like a trivial improvement. And Z3Plus may seem expensive but the list of enhancements is impressive, once you have used the features. Imagine a copy/delete/rename/view/print utility that works on single/groups of files that permits you to pause to run another CP/M or Z3 utility such as SHOW or DIR. When the second program has run, the display pauses for a keypress, then you are returned to the file utility. Such is the facility of the Z3Plus shell feature. EASE, ZFILER & VMENU are three of many shell programs. Other utilities, such as ZPATCH provide full screen capabilities, previously unavailable. Many of the recent 8-bit utilities have been written with ZCPR in mind. Some few have been made available in CP/M 2.2/3.0 versions as well. Some of these programs are already in the TPUG library. In most cases, reading the documentation has given no real indication of the benefits of having ZCPR. However, have a look at the documentation in those files and these. Perhaps you too will decide to order Z3PLUS. You will be pleasantly surprised.

Z3PLUS
 \$69.95
 Z Systems Associates
 1435 Centre Street,
 Newton Centre, MA USA 02159-2469
 (617) 965-3552

Turbo Pascal 3.0 is available for \$60.00

Occasionally, future TPUG disks will add Z-system utilities/programs for those who want to read more of the documentation before ordering Z3Plus or have purchased it. Also, dBaseII utilities will be included in order to complete another facet of the library.

EASE20	.LBR	51k	Error And Shell Editor: command history file, more
EASE20	.QZF	2k	EASE20 Quick Reference
EASE20T	.LBR	6k	EASE20 for RCP/M: show time, require ZRDOS or BYE5
Z-GOLF	.LBR	10k	Solitaire card game
ZPATCH13	.LBR	38k	File edit utility, full screen, hex/ASCII code, help
ZPUZL11	.LBR	6k	Seven square puzzle

***** TPUG OCT 1989 ** (Z)ACQ
 Title: dBase II information and
 utilities

The following are provided for users of dBase II, the excellent relational database program from Ashton-Tate. Most have not been tested on the C-128 but those that have (including DB2SHL21) work fine. Be sure you are using a work copy and NOT THE ORIGINAL DISK when using the patches. TPUG or the TPUG CP/M librarian cannot be held responsible for damage or loss resulting from the use of patches and/or pokes to dBase II. It is entirely up to the user to verify that patches/pokes perform as expected so test should be performed to assure yourself no adverse affects have been introduced. TPUG does not have the technical/manpower resources to assist with troubles resulting from patches/pokes. However, we would appreciate reports to share with the user community of problems or experience with any of these files. Hopefully, this has not dampened your enthusiasm for CP/M, dBase II or TPUG.

A historical note: There is no dBase I. The program was developed out of a personal need to keep track of football pools (so one story goes) and was developed commercially for NASA. Original name for the program was Vulcan.

DATABASE.LBR	7k	CoMmanD & doc to help with dBase II, use a copy of dbII
DB-POKES.LBR	2k	CMD files for dbII
DB2PATCH.LBR	2k	Patches for dbII
DB2SHL21.LBR	28k	A good menu shell for dbII
DBASETIP.LBR	3k	Tips for dbII
DBDECODE.LBR	9k	For compiled CMD files
DBHELP .LBR	12k	dbII help
DBII-REF.TZT	20k	dbII reference information
DBPATCHS.DZC	4k	Patches for dbII/ZCPR for date/time, others
DBSECUR2.LBR	17k	From Gene Head, dbII aid
FONEBOOK.LBR	12k	dbII phone book
NEWBASE5.AZM	7k	From Gene Head, dbII aid
READ .ME	1k	See DBSECUR2 and NEWBASE5.AZM

***** TPUG OCT 1989 ** (Z)ACR
 Title: ZDE: Z-system Display Editor

ENHANCE .LBR	4k	Improve 1902 resolution
HACKER .LZR	2k	Letter about the hacker ethic
ZCONFRTC.TZT	13k	GENie round table conference with Jay Sage co-author of the Z2Plus manual
ZDE-PRN1.LBR	2k	Printer files for ZDE
ZDE10 .LBR	71k	Update of VDE for Z-system and CP/M
ZDE13 .LBR	26k	Updated ZDE, see ZDE10 for documentation

***** TPUG NOV 1989 ** (Z)ACS
 Title: Quick Terminal & Snoopy 1990
 Unzip

ALIAS#2 .LBR	21k	Some alias files created with Salias/for ZEX
POKE10 .LBR	7k	Load a program, change it and run it: try that in
POKE&GO2.DOC	4k	MS-DOS!!! A second file, same idea.
QTERM128.LBR	14k	Quick Terminal patched for C-128, includes a script to call Canada Remote Systems, Quick Reference chart
QTERM41E.LBR	45k	QT with documentation, patch information, example scripts, more, supports YMODEM BATCH 1KB and KERMIT with VT100 emulation
SNOOPY90.CZL	2k	1990 Snoopy calendar
UNZIP099.LBR	16k	Unzip MS-DOS ZIP files, uses overlays, may not support all ZIP formats
ZEXCMDS .LBR	7k	Files for ZEX, Z3 in memory SUBMIT replacement. NOTE: ZEX for Z3Plus will be included on an upcoming disk.

***** TPUG NOV 1989 ** (Z)ACT
 Title: Rogue & QTPatches

MYALIAS .LBR 13k Alias' to do some system housekeeping, look at these
 with Salias from Z3Plus
 QTPATCH .LBR 70k Patch files for Quick Term, C=128 not available but we
 have a patched copy of QT, use these on a variety of
 other machines: SB180, Xerox, Morrow, Kaypro
 ROGUE .LBR 29k AD&D comes to CP/M, ported from UNIX, written in C, no
 source - sorry! Otherwise, enjoy. Note: this is not
 hi-res graphics, just character mode. Remember, this is
 the way the world enjoyed their computer before the C=64
 revolutionized computer games. Look at it as a historical
 perspective.
 VMNUFUN .LBR 14k Menu for VMENU / Z3: NOTE VMENU on an upcoming disk

***** TPUG WOC 1989 ** (Z)ACU
 Title: World of Commodore Show 1989
 CP/M Goodies
 Area Code, Quick Term 128
 Super Directory, Snoopy90
 more

AREACD20.LBR 11k Enter telephone area code, find out where it is
 throw away your phone book!!
 C8WS4KEY.LBR 4k C128 with WordStar 4.0 key file, load with LOADKEY
 same functions for numeric keypad as PC/compatibles
 HOME, END, PgUp, PgDn, etc. uses unshifted function keys
 CBMCPM .AZS 5k Question to Commodore, answer re: availability of 3.5"
 CP/M disk, not good news
 CHEK12 .COM 3k CRC calculate program, if you run this on your disk and the
 results don't match the numbers in the corresponding *.CRC
 file for the disk, then you have a data error and would need
 a new disk if files affected are executable, text probably
 would be readable
 QTERM128.LBR 14k Quick Terminal for C128, docs on ZACS, ^O? for help,
 supports script language, script included to call well known
 BBS
 SD138B .LBR 78k Super Directory with source only, all the features you'll
 want, assembled for Z3Plus on ZACV
 SNOOPY90.CZL 2k Snoopy calendar for 1990
 ZACU .CRC 1k Compare results of CHEK12 with the values in this file to be
 sure your copy of the disk is error free

***** TPUG WOC 1989 ** (Z)ACV
 Title: World of Commodore Show 1989
 Z3Plus Goodies
 Logging Shell, Z-Error Handler
 Super Directory & Z80 EXecute

LSH10P .LBR 35k Logging SHell, size definable window or line mode, saves to
 DU: named ROOT, works with ZERRLSH
 SD138BZ3.LBR 7k Super Directory, assembled for Z3Plus
 ZACV .CRC 1k Use CHEK12 to see if your files have same CRC, if not,
 expect problems if those are executable files, CHEK12<CR>
 for brief help
 ZERR13 .LBR 11k Z80 ERROR handler, works with LSH, docs included
 ZERR13S .LBR 36k ZERR, different capabilities
 ZEX50 .LBR 26k Z80 EXecute in-memory SUBMIT replacement. We've long heard
 about EX in the CP/M 2.2 world and one of the original
 disappointments about getting Z3Plus was to find this
 program on a 'doesn't work here' list. Take it off that
 list. Docs included.

***** TPUG DEC 1989 ** (Z)ACW
 Title: LZH Utilities
 TwoCol printer for text

CRLZH11 .LBR 113k I know, all right, I'll stop!!! Not another compression technique!!! Seems like war out, doesn't it? Well, as long as they write 'em, we'll have to include 'em. This one lets you manage those LZH files you see in the MS-DOS world. Here, they have the form .?Y?. We'll continue to use .LBR and ?Z? because of the range of utilities that support them. Meanwhile, we'll continue to keep the windows open to the rest of the computing world. (I take it back, I won't stop)

TWOCOL .LBR 8k A little goodie to print two columns from text files
 ZACW .CRC 1k Run CHECK12 on this disk and match the results to those in this file. If they're the same, great, your disk is an exact copy. If not, expect problems.

***** TPUG JAN 1990 ** (Z)ACX
 Title: DIFSSD, VREN, ZERR
 JETPRIME & ASTRO-PC

ASTRO-PC.LBR 61k Astronomy programs in BASIC, from Julian date conversions, to finding the circumstances of solar/lunar eclipse when finished checking these out, call Canadian Space Society BBS at (416) 458 - 5907

DIFSSD2.LBR 21k From UNIX, create a difference file from a shared/common file to a newer file, transmit only changes to generate updated file, documentation included.

JETPRIME.LBR 3k Source/executable for Byte prime number speed test, rename *.OBJ file to *.COM

LZED .IQF 5k info on LZED Z3 editor
 PC-ZUPD3.DZC 10k PC-Z update info, Z80 upgrade compatible with PC box
 VREN .LBR 10k Video Rename, works both with CP/M & Z3Plus but if CP/M, print out the documentation because you don't get the nifty help display.

ZACXTYPE.ME 2k This file
 ZACX .CRC 1k File with Cyclic Redundancy Check values.
 ZERR12 .LBR 11k Oops time, again. On a recent disk, when I included ZERR, I hadn't noticed that ZERRLSH wasn't included, although that file was the main reason for including ZERR. Here is the file that includes it. You'll notice it is an older revision.

Library directory for B0:ASTRO-PC.LBR 61k

ANOMALY .BZS 1k	: ANOMALY .SZB 1k	: ASTRO-PC.DZC 4k	: CALDAY .BZS 1k
CALDAY .SZB 1k	: COMET .BZS 2k	: COMET .SZB 1k	: DISPLAY .SZB 2k
ECLIPSE .BZS 2k	: ECLIPSE .SZB 3k	: EQECL .BZS 1k	: EQECL .SZB 1k
EQGAL .BZS 1k	: EQGAL .SZB 1k	: EQHOR .BZS 1k	: EQHOR .SZB 1k
FITOBS .BZS 2k	: FITOBS .SZB 3k	: GTIME .BZS 1k	: GTIME .SZB 1k
HALLEY .SZB 1k	: HRANG .BZS 1k	: HRANG .SZB 1k	: JULDAY .BZS 1k
JULDAY .SZB 1k	: MINSEC .BZS 1k	: MINSEC .SZB 1k	: MOON .BZS 2k
MOON .SZB 3k	: MOONNF .BZS 1k	: MOONNF .SZB 1k	: MOONRS .BZS 1k
MOONRS .SZB 1k	: NUTAT .BZS 1k	: NUTAT .SZB 1k	: OBLIQ .BZS 1k
OBLIQ .SZB 1k	: PARALLAX.BZS 2k	: PARALLAX.SZB 1k	: PELEMENT.BZS 1k
PELEMENT.SZB 2k	: PLANS .BZS 2k	: PLANS .SZB 6k	: PRECESS .BZS 1k
PRECESS .SZB 1k	: REDELMT .BZS 1k	: REDELMT .SZB 1k	: REFRACT .BZS 2k
REFRACT .SZB 1k	: RISET .BZS 2k	: RISET .SZB 1k	: SUN .BZS 1k
SUN .SZB 1k	: SONEP .BZS 2k	: SUNRS .BZS 1k	: SUNRS .SZB 1k

***** TPUG FEB 1990 ** (Z)ACY
 Title: Graphic Script Tools (GST)
 SCAN files, VDCDEMO &
 Extended Z3TCAP

GST02 .LBR 43k Graphics utilities for CP/M, source included, requires extended TCAP from Z3TCAPX.LBR. Z3 only.
 SCAN21 .LBR 45k Scan a file, doesn't have paging like QL but handles large files, has search mode, help, jump to beginning or end of file. Recommended. CP/M AND Z3.
 VDCDEMO .LBR 11k Video Display Controller for C=128: hi-res graphics, no source, very slow and requires a re-boot when done but here it is, folks!! Source in C. CP/M.
 Z3TCAPX .LBR 25k Z3 enhancement. Use JetLDR [libname.LBR] yourterm.Z3<ret> after you extract your terminal definition from *.TCP with TCMKAKE. We have demos for next month that do pull-down menus and windows. I don't use the C=128 extended TCAP all the time because I prefer light green with dark green used as highlight and the extended TCAP results in mostly dark green with a bit of light green. No matter how I have patched the TCAP, I couldn't return to the way the old TCAP restored the screen, so I only use the extended version for the demos. Perhaps this will be fixed in the future as these are highly experimental modules.

***** TPUG MAR 1990 ** (Z)ACZ
 Title: Quattris, Double print,
 Fog Index Generator,
 Z3 Graphics Libraries/demo and
 CP/M VDC Graphics Libraries/source

DBL401 .LBR 24k CP/M, Z3: for printers with condensed mode, print text documents formatted in 65 columns or less, two per page, many options; wider documents are truncated
 FIG14 .LBR 30k CP/M, Z3: Fog Index Generator for text documents, tells number of words, paragraphs, number of long, medium and short words, also expressed as percentages of total words
 QUATRIS2.LBR 26k CP/M, Z3: Tetris(C)-like game, instructions on screen, ten levels of difficulty, keyboard operated, keeps score. Written in Turbo Pascal, source is available for \$10.00 from the author, address included.
 TCAP-HB4.LBR 15k Z3: Graphic libraries, includes a demo program for pull down menus.
 VDCLIB13.LBR 24k CP/M: C128-specific graphic routines for VDC/8563 80-column chip written in Software Toolworks C/80, source code, see Feb. 1990 (Z)ACY for demo program.
 ZACZ .CRC Use CHEK12 (ZACU) to check your copy of this disk, if the CRC values don't match those in this file, you may have problems, especially in .COM files. If so, ask for a replacement disk.

***** TPUG World of Commodore 1990 ** (Z)ADA (renamed)

Note: This is a floppy/1541 compatible disk (double-sided)

Title: WOC/90 CP/M & Z3
 CPM: Life in Turbo Pascal
 Genealogy text files,
 Genealogy Tiny Tafel
 Generator

Z3: NoteTaker, Directory Utility,
 Z-Grep, Z-WordCount, Find
 Utility, Why Z3Plus & @

**NOTE: This disk was originally issued as (Z)ADJ, but has been renamed.

CP/M files:

GENEALGY.LBR 44k Several text files about genealogy, TMS, PAF, Kintracers
 LIFE-PAS.LBR 23k Conway's game of Life, Turbo Pascal, source
 TTGEN10C.LBR 57k Tiny Tafel GENERator for TMS

Z3Plus files:

@10 .LBR 7k Use with aliases, allow cursor positioning on screen
 D17 .LBR 34k Directory utility, different options than the others
 WHY .Z3+ 6k Why buy Z3Plus, where
 NT46 .LBR 19k Note Taker with time/date stamp
 ZEN&CPM .LBR 12k Musings of a CP/M user
 ZFINDU .LBR 9k Find string in compressed files
 ZGREP11 .LBR 19k Z-system version of GREP from UNIX
 ZWC .LBR 6k Word Count for Z-system

***** TPUG December 1990 ** (Z)ADB (renamed)

Title: ZP-Patch Utility
 Video Compare, Z DataBase

**NOTE: This disk was originally issued as (Z)ADK, but has been re-named.

VCOMP21 .LBR 12k Video COMPare text files, can use eXtended TCAP (ZACY)
 requires 79 column X 24 line display, Z3CPR33+, can be
 configured with VINST (included)
 ZOB09 .LBR 37k Z DataBase name/address/phone labelmaker, source provided
 written in assembler, uses eXtended TCAP, time/date
 stamping, in-RAM index of file for rapid access, four
 key index for labels
 ZP10 .LBR 56k : Z Patch disk/file/RAM with HP RPN calculator hex/dec/bin
 requires eXtended TCAP (ZACY), companion to ZPATCH (ZACP)

