



This article was last published in issue #102, December 2005!

Z-100 LIFELINE SOFTWARE LIBRARY

The "Z-100 LifeLine Software Library" contains nearly 1,000 programs and routines I received over the years and covers every application imaginable. It does not knowingly include copyrighted operating systems, applications or other software, which I have placed in a separate "Z-100 LifeLine Archive Software Library". Please notify me if I have mistakenly included your program as Shareware and you would like it removed.

The "Z-100 LifeLine Software Library" began first from Paul F. Herman's library when I assumed responsibility for publishing the LifeLine in 1994, and from other sources, including several original Users' Groups (including HUG, CHUG, and NOHUG), from David Gubbins of GernWare Enterprises and many other individuals.

Note: While I still use the (C) Copyright symbol while identifying this software, all authors have a right to protect their products. The symbol is used here to identify the author and year of the software, even when it has been released to the public domain or has been made available as shareware. As I stated above, I have NOT personally identified for each offering that an author has released their software to the public domain. Also remember, just because any software is old or is no longer used by the general public, it does not mean that the software is now free to use or distribute. Please recognize, honor, and respect a person's rights and contribution to computing.

As much as possible, the software is separated and saved to disk by application. While the individual volumes are still available as usual, this entire library is now available on CD-ROM for \$20.00. However, a PC-compatible computer with a CD-ROM drive is necessary to transfer the programs to a floppy drive format usable on the Z-100.

VOL#	NAME	/SA SYS	AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)			
#100 SERIES:			
FILE MANAGEMENT:			
#101	ARC Utilities	/G	
	ARC v5.2		(C)85 System Enhancement Assoc
	Archive Utility		
	ARCA v1.28		(C)87 Wayne Chin/Vernon Bueg
	Add files to ARC file		
	ARCDMP v1.1		(C)87 Jim Kyle & S. Sampson
	Splits big ARC files		
	ARCE v3.1b		(C)87 Wayne Chin/Vernon Bueg
	Extracts ARC files		
	ARCF v1.03		(C)87 Vernon Bueg
	Find text in ARC files		
	ARCTV v2.51		(C)87 S.H. Smith & Tool Shop
	Archive text viewer		
	ARCV v1.17		(C)87 Vernon Bueg
	Verbose ARC directory display		
#102	PKARC v3.5 and PKPAK v3.61	/G	(C) PKWARE Inc.
	File archiving utilities		
#103	PKZIP v2.04	/G	(C) PKWARE Inc.
	File archiving utility		
#104	Archive Programs		
	ARCMaster v2.20	/I	(C)87 New-Ware
	Archive/Backup Program		
	LIST v6.2a	/I	(C)87 Vernon Bueg
	Display ARC files		
#105	File Archiving Utils		
	LU86 v4.03a	/G	(C)84 Paul J. Homchick
	Arch files w/ & w/o compress		
	FV v1.40	/Z	(C)91 Vernon D. Bueg
	Gives name/attrib of arc files		
	ARJ v2.22	/Z	(C)91 Robert K. Jung
	Archive/Backup Program		
	XONE v2.3	/Z	(C)87 Vernon Bueg
	Combine ARC files from others		
#106	File Compression Utils		
	LHA v2.13	/G	(C)88 Haruyasu Yoshizaki
	File compression pgm		
	LU	/G	(C)84 T. Jennings
	Combine multiple files in one		
	PKLITE v1.03	/G	(C)PKWARE, Inc.
	PKLITE v1.15	/G	(C)90 PKWARE, Inc.
	PKLITE v2.01	/G	(C)96 PKWARE, Inc.
	Compresses EXE/COM files		
	SQ-USQ v3.2	/C G	(C)85 R. Greenlaw
	File Squeeze/Unsqueeze Pgms		
	XCHANGE v1.03	/G	(C)89 Scott Samet
	Automate file archive activities		

VOL#	NAME	/SA SYS	AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)			
#107	Sorting Utilities		
	FILER	/B Z	Author unknown
	ZBASIC File Manager, sorts, merges, etc.		
	HSORT v1.0	/A Z	(C)85 Patrick Swayne
	Sorting utility		
	LSORT v2.0	/S G	(C)83 London Computing
	Sorting utility		
	LSRT	/G	(C)83 London Computing
	Replaces DOS SORT filter		
#108	DOS Command Editors		
	BKEY v2.0	/C Z	(C)86 Bruce E. Stock
	DOS Command Line Editor similar to CED		
	CED v1.0	/A G	(C)85 Chris J. Dunford
	DOS Command Line Editor		
	FONT-ED.BAS	/B Z	(C)83 Author unknown
	ZBASIC Font Editor program		
	KEYMAC	/A Z	(C)87 Pat Swayne, HUG
	Program multiple keystrokes to a single key as a macro		
	NP	/A G	(C)88, Russell Nelson
	Nosy Prompter - Changes prompt when shell to DOS		
#109	File Browsers - Utilities used to view text files		
	ASCII v1.15	/Z	(C)85 System Enhmt Assoc
	Finds ASCII text in .BIN files		
	CWEEP v2.14	/G	(C)84 Gary M. Berg
	File manipulation utility		
	LOOK.COM v1.0	/A Z	(C)90 Paul F. Herman
	File lister/browser		
	LOOK.EXE v1.2	/G	(C)86 Gregory D. Elder
	File lister/browser		
	MORE	/Z	(C)91 Gary Appel
	File browser w/50 line cap		
	NOTES	/Z	(C) Clarkson University
	TSR Notepad editor w/Galahad-like commands		
	SEE v1.3	/A Z	(C)85 Pat Swayne, HUG
	File lister/browser		
	STRINGS	/C Z	(C)90 Ed Nather
	Searches binary files for ASCII Strings		
	VFILER v2.6	/G	(C)84 Mike Nice
	File Manipulation Utility		
	VSWEEP	/C Z	(C)85 Gregory Meckstroth
	File manipulation utility like VFILER		
	ZLIST v1.0	/Z	(C) Andy Estes
	File lister/browser		
	ZNOTE	/Z	
	Text Editor w/WordStar commands		
#110	Directory Listing Pgms		
	D.COM	/Z	(C)Zenith Data Systems
	Directory pgm, upgraded DIR100		
	DIRTREE	/Z	(C)85 G.R.A.M. Associates
	DTA v1.7	/Z	(C)Eric Meyer
	HIDEDIRS.ZIP	/Z	(C)85 Tom Neff
	MDH		Make a hidden directory
	CDH		Change to a hidden directory
	RDH		Remove (delete) a hidden directory
	LF29 v2.9	/Z	(C)85 Windspear SW Sys
	LS	/C Z	(C)84 Ed Nather
	NDIR v2.0	/Z	(C)84 C.R. Wyss
	SD v5.8	/Z	(C)88 John Stetson
	TREEDIR	/C Z	(C)84 Alan Losoff
	ZD.ASM Vs 2.52	/A Z	(C)90 Jeff Kalis
	ZSD v2.1	/A Z	(C)85 Les Bordelon

VOL#	NAME	/SA SYS	AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)			
#111	Disk Catalog Programs		
	CATADD v1.6	/Z	(C)85 Don Malpass
	File catalog program package		
	CATS v1.8	/Z	(C)86 W.C. Parke
	Disk cataloging utility		
	CATS v2.2	/Z	(C)86 W.C. Parke
	Later version of CATS v1.8		
	CATSUTIL v1.0	/Z	(C)86 Jerome H. Horwitz
	Multidisk catalog maintenance & sorting utility		
	COVER	/Z	
	Disk label maker		
	DISCOVER v1.5	/Z	(C)89 W.C. Parke
	Utility to print disk labels		
	DISKOMBOBULATE v1.3	/Z	(C)86 Software Devel Grp
	Disk cataloging utility		
	Z100CAT v2.2	/Z	(C)86 Albert Plitt
	Elaborate disk cat utility		
#112	Menu Systems:		
	CONFIG.CTL	/G	(C)Mike Mefford.
	CONFIG menu mods		
	FBE Config Mstr v1.5	/G	(C)FBE Resrch, Dave Brockman
	CONFIG & AUTOEXEC menu mods		
	FirstUp v1.3	/G	(C)86 Software Dvlpmt Grp
	Menus that avoid DOS prompt		
	Master Menu v2.02	/G	(C)90 Thomas J. Zuzack
	Z-100 & PC Menus (Z100LL #20)		
#113	Batch File Utilities: - Includes DOS Filters		
	ASK	/C Z	(C)86 Peter Wu
	Prompt/Input program		
	ASNICE	/Z	(C)86 Joseph Katz
	Assembly source formatter		
	BE	/A Z	(C)90 Pat Swayne
	Big Echo command		
	CHMOD	/Z	(C)89 David Whitman
	Change or report file attrib		
	COLOR	/A Z	
	Change fore/background colors		
	DSIZE	/Z	(C)89 David Whitman
	Determine floppy disk format		
	ENVIRON	/Z	(C)86 William C. Parke
	Environment utility		
	ISDIR	/A Z	(C)Morrin E. Hazel
	Is it a directory?		
	PDD	/A Z	(C)Morrin E. Hazel
	Print default directory		
	SAVEPA	/Z	(C)Graham Andrews
	Save current path spec		
	SHIPS v2.01	/Z	(C)88 William C. Parke
	Winchester head parking utility		
	TK	/A Z	(C)84 Jim Mott
	Token parsing filter		
	WAIT	/A Z	(C)90 Pat Swayne
	Wait command		
	WC	/Z	(C)89 David Whitman
	Word counter		
	YORN	/C Z	
	Yes or No query		

VOL#	NAME	/SA	SYS	AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)				
#114	Virus Detectors & Protectors			
	CLEAN-UP v7.6V80	/G		(C)90 McAfee Associates
	CLEAN-UP files after discovery			
	FLU-SHOT	/G		(C)87 Ross Greenberg
	Inhibits COMMAND.COM changes			
	SCANLOOK.DOC	/G		(C) W.C. Parke
	VIRUSCAN doc - how it works			
	VIRLIST.TXT	/G		
	List of known viruses			
	VIRUSCAN v7.6V80	/G		(C)89 McAfee Associates
	Checks for viruses			
	VSHIELD v3.9B80	/G		(C)90 McAfee Associates
	Virus protection pgm			
	WARNING:	/G		
	Documents about computer viruses			
#115	dCOM Directory Commander			
	DCOM v4.01	/G		(C)91 Dave Frailey
	DOS Point & Click Shell -- Substitute COMMAND.COM			
	EDIT	/G		(C)Mark Caldwell
	Macro file			
	EMEM	/P		(C)91 Dave Frailey
	Expanded memory blocks			
	MACRO v4.0	/G		(C)91 Dave Frailey &
	Documentation			DAC Micro Systems
#116	Overview			
	OVERVIEW v2.20	/I		(C)88 James Mathews &
	File Maintenance Utility			Blue Sky Software
#117	Shell Programs			
	SHELL v1.4	/A Z		(C)87 John Stetson
	Shell for MS-DOS			
	SHELL v1.3	/C Z		(C)85 Kent Williams
	Unix-like DOS Command Processor -- Substitute COMMAND.COM			
#118	HUG Menu System			(C)85 Robert Metz &
	HFM v2.0	/A Z		Patrick Swayne, HUG
	HUG File Manager			
	MAKMENU	/A Z		
	MENU	/A Z		
	HUG Menu System			
	SETCON	/A Z		
	Set cursor type, key click.			
#119	DBS-KAT			
	DBS-KAT v2.10	/Z		(C)86 R.H. Martin &
	File Database package			Applied Foresight Inc.
#150 SERIES:	DISK UTILITIES:			
=====				
#150	Disk Utilities			(Z100LL #20)
	ARCOPY v1.71	/Z		(C) Eric Meyer
	Full-featured COPY command, like XCOPY			
	ATTRIB	/A Z		(C)84 Pat Swayne
	Change file attributes			
	BAC	/Z		(C)Dickinson Associates
	Smart file copier			
	COPYNEW v1.02	/C Z		(C)88 Walter Ching
	Copies new files			
	CRC67 v6.71	/Z		(C)86 Howard Vigorita
	CRC check and generating utility			
	DC	/C Z		(C) William Lindley
	Compares 2 different directories			

VOL#	NAME	/SA	SYS	AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)				
	DL	/Z		(C)82 J.P. Garbers
	Delete files with query			
	ERROR	/A Z		
	Reports DOS recoverable errors			
	EXP	/C Z		
	Allow multi file names in commands			
	FASTCOPY v1.0	/A Z		(C)91 Paul F. Herman
	Makes multiple copies; Faster than DISKCOPY.			
	FDATE	/Z		
	Set specific file date/time			
	FIND	/C Z		(C)89 Paul Herman
	Searches files for string			
	FLAGS v1.2	/Z		(C)86 William C. Parke
	Changes file attributes			
	FREE	/A Z		(C)84 Ray Duncan
	Report free disk space			
	IGNORE v1.0	/Z		(C)86 Jack Wright
	Copy/salvage files w/CRC error			
	IS	/A G		(C)88 Paul F. Herman
	Checks if disk format is Z-100; PC version is (C)Pat Swayne			
	LABEL	/A Z		(C)84 Ray Duncan
	Change/create disk vol label			
	LOOKFOR	/Z		(C) Bob Brasfield
	File searches utility			
	MARK v2.20	/A Z		(C)86 Steven Georgiades
	Marks a good/bad cluster			
	MEM	/Z		
	Reports free RAM memory			
	MOVE	/C Z		(C)85 Rick Schaeffer
	Moves file to another dir			
	MOVE2 v2.6	/Z		(C)86 Marc Perkel
	MOVE file pgm, w/COPY & DELETE			
	PATHHUNT v1.0	/C Z		(C) Bit Bucket Software
	Searches DOS path			
	PCSTAT v2.0	/Z		(C)86 Robert Woege
	Displays disk space & RAM stats			
	RECMEM v2.1	/Z		(C)86 Virtual Sys Software
	Recover memory			
	RENDIR	/Z		(C) Mike Flynn
	Rename subdirectory			
	SCLS	/A Z		
	Clears screen vertically; Requires MTR-100 v3 ROM			
	SECRET	/Z		(C) Charles Incaprera
	Create/delete/use secret DIRS; Good for file security			
	SPACE	/C Z		(C)90 Walter Ching
	Rpts free space & other specs			
	SPLITTER v1.0	/Z		
	Splits large text files into equally sized smaller files			
	SWAPNAME	/Z		(C)86 Vernon D. Bueg
	Swap names of two files			
	TOUCH	/C Z		(C)85 Michael Yam
	Set file date/time to current			
	VOLCHECK v3.0	/Z		(C) Andy Decepada Works
	Display drive/disk parameters; Similar to CHKDSK			
	VOLNAME	/C Z		(C)90 Walter Ching
	Report volume labels			
	WIPE (LEFT/RIGHT)	/Z		(C) Paul Somerson
	Clears screen vertically; Requires MTR-100 v3 ROM			
	XCOPY v1.00	/Z		(C)84 Lewis Haupt
	Copy or move files with query			

```

VOL#   NAME           /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)

```

#151 Disk Utilities

```

DOG v3.17           /G      (C)88 G. Allen Morris III
Disk cluster organizer (Z100LL #14 has review)
MFORMAT v1.00      /PA Z   (C)88 Allen E. Holecek
Hi-density format util for 5" 1.44 MB drive on 8" connector.
UPDATE             /A Z
Update earlier files with latest version.
DOSUTIL.ZIP        /G      Various authors
  ALTER.COM        Attrib utility
  ATTRIB.COM       Attrib utility
  BAC.COM          Backup utility
  CDX.COM          100 file directory viewer
  CHKASC.BAS       Checks for ASCII file
  CLEAN.COM        DOS v2 word proc text filter
  COLOR.COM        Set screen colors
  COVER.COM        Disk directory envelop stuffer
  CRCK4.COM        Calculates CRC number
  CWEEP.COM        Directory viewer
  D.COM            File directory utility
  DIR100.COM       File directory utility
  DISKID.COM       Writes disk ID# & label on disks
  DSKCLEAN.COM    Disk cleaning utility
  EXTEND.COM       Lists files by their extensions
  FDATE.COM        Changes File Date/Time
  FREE.COM         Amt of RAM remaining
  LABEL.EXE        Reports/changes volume labels
  LOCATE.COM       Finds ASCII string
  LS.COM           Disk directory utility
  LU.COM           Combines multiple files
  MARK.EXE         Attrib utility
  OFFLINE.COM      Type text to screen directly
  ONECOPY.COM      Copy between disks w/one drive
  PAGE_PC.COM     25 line/page text viewer for PCs
  PAGE_Z.COM      24 line/page text viewer
  PCEM.EXE         PC emulator package
  PR.COM           Prints out ASCII files
  PROT.COM         Protects files from erasure
  SAVER.COM        CRT screen saver
  SD.COM           Sorted directory utility
  SETPRN.EXE      Set printer configuration
  SIZE.COM         Gives size of file, disk memory
  SUPEREN.COM     File/directory renaming utility
  SYSTAT.COM      Displays disk capacity/free space
  TIMER.COM       Gives current time
  TODAY.COM       Gives today's date
  VDEL.COM        Confirms deletion of each file
  UNPROT.COM      Un-protects a protected file
  WAIT.COM        Displays 3...2...1... & continues
  WASH.COM        Disk management utility, like CLEAN
  WHEREIS.COM     Locates a file

```

#152 Disk Utilities

```

BOOTDISK           /A Z   (C)00 John Beyers
Boot disk for all versions.

```

#153 Program Patches

```

Patches to:
CHARTMASTER v6.04 dBasell v1.0, Ed1 & Ed2
ENABLE v1.0        EXECUVision
EZWRITER v1.1     FLTSIM v1.0
FRAMEWORK v1.0    GRAFWRTR v4.21
LAYOUT             LOADCALC v4.13
MSWORD v1.1       MULTILINK v2.06
LOTUS123 R1a      PC-DRAW v1.4
PFS               PROKEY v3.0

```

```

VOL#   NAME           /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)

```

```

RBase4000 v1.11    SIDEKICK v1
SIGNMASTER v5.04  SYMPHONY
TIMEMANAGER v1     TRIVIAFEVER
ULTIMA II          VISICALC
WORDSTAR2000 v1    ZORK

```

```

#154 Herman Utilities /A Z   (C)93 Paul Herman
ATTRIB             DIRSORT      DISKINFO      EDITSEC
FILEDATE           FILEMAP      FILESIZE      FILETIME
FIND               ITERATE      LABEL          RENDIR
SEARCH             TEST         TIMER          TREE
TREECOPY           TREEDEL      UNDELETE

```

```

#155 Buerg Utilities /G      (C)88 Vernon Buerg
ARCA v1.28         Create or add files to archive
ARCE v3.1c         Extract files from an archive
ARCF v1.06         Find text strings in archive
CISMSG v2.4        Sort CompuServe messages
DELDUPE v2.2       Delete duplicate files
DRLIST vH          Special version of LIST
FBR v1.63          File backup/restore utility
JLH v1.07          JET utility's little helper
LDIR v3.0          Display directory
LIST v6.2a         Full screen file lister
LJBOOK v2.10       Print text file in booklet
LP v1.6            Print file utility
OKI v1.1           Menu driven OKI 92 setup
QBX v4.00f         QBASIC label/symbol cross-reference
QDR v3.3d          Quick disk reformatter
RB v1.58           Convert token BASIC to ASCII
SORTF v2.30        Fast file sorter
SQPC v1.31         Fast file squeezer
SQUISH v3.3        Compress & un-number BASIC program
SWAPNAME v1.2      Switch names of two files
TABS v2.1          Replace spaces with tabs
XONE v1.3          Make an archive in an archive

```

```

#156 PC-DOS Utilities KUG Disk #701
ALTER              /I      (C) T.A. Davis
Attribute utility
GCOPY v1.01       /I      (C)84 Gordon Waite
Copy utility
PCDISK v3.0B      /I      (C)85 John Friel III
Disk catalog utility
PC-SWEEP v1.30    /I      (C)84 Gary M. Berg
File manipulation utility
SPEEDUP           /I      (C) Unknown
Increases time allowed for drive track changes
VIEWDISK v1.0     /I      (C)84 DSOFT
View disk sectors

```

```

#157 PC-DOS Utilities /I      (C) Multipath, Inc.
ALSEARCH          ALTER        BATCOM        BATMENU
CAPSLOCK          CED10D       CLEAN2        COMSPEC4
COMSWAP           CORELOOK     CRC67         CRLCRS
CUSTCUR           CWEENP215   DELBUT        DELDIR
DIPMEM            DIPSET       DIRARCH       DISKPARK
DISKSET           ENVXPAND     EXBAT303      FAKEY
FASTBAT           FSPOOL       HELP          HOTDOS
KBFIX3            KEYDEF40     MEMSET        MSPOOL2
PORTSWAP          QA           BATPARMS      BOMBSQAD
FILERS32          FSD          LIST60H       NANSI
NDOSEDIT          NMI          PUSHPOP       REDEFINE
RENDIR            SCAN         SCAV23        SDPCS2
SST               SUPRTREE     SWPTR         TREETDIR

```

```

VOL#   NAME           /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)

```

```

TSR          UNCRASH        UPDATE     VOLSER2
WHERE3       WHEREIS4       XRAY       ASDKEYS
ASK2         BG             BLANK      BOOTAS
CAT          CBIN2          CDIR20     CLRTSR
COM2DATA     COMZAP         COPYTREE   CPU
CRAM         DBLDIR         DDATE      DIRTREE
EZDOS        FDATE         FINDFILE   IFF
KBM          LPTX400       MOUNT      PARKAL
PD           PMOVE          PROTECT    PWD
QWKBOOT      RAMA           REBOOT     SAVESCRN
SAVSC        SETKEY         SUPEREN    ZAPDIR

```

```

#158  PC-DOS Utils  /G      (C) Micro Cornucopia
BACKSRL     Scrolling utility
LS          Directory lister (C) R.E. Nather
LU          Creates library of files
LDIR        Directory lister
SQUEEZE     File compressor
UNSQUEEZE   File un-compressor
SWEEP       Mass file copier
WASH        Mass file copier
WHEREIS     File finder

```

```

#159  Disk Utils  /G      (C) Micro Cornucopia
DOSEDIT     DOS command line editor
EASY-ZAP    Disk file editor
PROTECT     Files cannot be erased
UNPROTECT   Files can now be erased
ST          Improved TYPE command
UNDEL       A floppy un-eraser
UTIL        File utility
VF150       VFILER for Z150 (C)84 Mike Nice
WSCONV      Converts WordStar files to ASCII
Z           Directory utility

```

```

#160  Disk Utilities /G      (C)89 PC-Magazine
ATSIZE      ATTR          BAC          BROWSE2
COLORSET    DDIR          DELZ         DISKSCAN
DOORS       DOS-EDIT      FREE         KEEPER
KEY-FAKE    LOCATE        LOCK         LPTPORT
MONOGRAF    MOVE          NO           NPAD
ONEKEY      PCMAG1        PCMAGNDX    POPDIR
PR          PRSWAP        PUSHDIR     QUICKKEYS
RED         RENDIR        SETUP        SIZE
SNAPSHOT    STATLINE      SWEEP        UNDEL
UNLOCK      VTREE        WAITASEC     WHERE
XDEL        APPBK         ASC          BLOAD
BOOTSCRN    BROWSE2       BSAVE        CHANGE
COPYSAFE    CS            DIRCOMP      DIREX
DISKPREP    DOS           DRAW         EGA12
EGA25       EGA35         EGA43        EGA50
EGA512      EGACOLOR      EGACOSSET    EGAITAL
EGAMODE     EGAPAGE       EGAPALET     EGAPRTSC
FREEZE      HIGHRES       LOWRES       MAKEBAR
PARSE       PCMAG2        PCMAGNDX    PLAY
POP-CAL     REPEATS       SCANDIR      SEARCH
SLASHBAR    SPECTRUM      STATUS       SUGGEST
TIMEKEY     VISITYPE      XDIR

```

```

#161  CP/M Conversion /G      (C)88 C.P. Guzis, SYDEX
22NICE v1.2 Emulate CP/M on PC
22DISK v1.2 CP/M - DOS file transfer utility

```

```

VOL#   NAME           /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)

```

```

#162  Disk Utilities /I      (C)88 PC-Magazine
This disk contains programs and/or subroutines published in
PC Magazine and was prepared as a service to the readers.
The PC-Mag Utilities include:
ATSIZE      ATTR          BAC          BROWSE
COLORSET    DDIR          DELZ         DISKSCAN
DOORS       DOS-EDIT      FREE         GCOPY
GDEL        KEEPER        KEY-FAKE     LOCATE
LOCK        LPTPORT       MOVE         NO
NPAD        PCOPY         POPDIR       PR
PRSWAP      PUSHDIR       QUICKKEYS    RED
RENDIR      SCROLL        SETUP        SIZE
STATLINE    SWEEP         UNDEL        UNLOCK
VTREE       WAITASEC      WHERE        XDEL

```

```

#163  Disk Utilities /I      (C)92 PC-Magazine
PC-Magazine Disk X, Volume 1:

```

```

ALIAS       DOS command line editing and recall
ATTR        File attribute control
BAC         Simple back-up program
BATZEXEC    Turn batch files into .COM files
CDX         Change directory with shortcuts
COMPUTE     Command line calculations
CONCEAL     Hide sensitive information
DDIR        2 column directory listings
DSCAN       Check disks for bad sectors
FFF         Find files fast!
FREE        Quick check of free disk space
FSIZE       Shows how much space files really take
HUGECALC    254-digit calculator!
KEY-FAKE    Simulate keystrokes
LOCATE      Find files containing words or phrases
LOCK        Encrypt files for security
LOG         Track computer usage
LPTPORT     Swap between two parallel printers
NO          Run a command on all files except...
ONEKEY      Simple keyboard macros
PCBOOK      Print booklets on HP Laserjet printers
PCSORT      Fast, versatile sorting
POPDIR      Restore current directory
PP          Print text files neatly
PRSWAP      ASCII-only printer filter
PRUNE       Tidy hard disk directory structure
PUSHDIR     Save current directory
RED         Move files from directory to directory
RENDIR      Rename a directory
SNAPSHOT    Capture and recall screens
SWEEP       Execute command in all sub-directories
TED         Compact full-screen text editor
PTFST-AT    Speed up your keyboard (for AT)
TYPEFAST    Speed up your keyboard
UNLOCK      Un-encrypt files encrypted for security
WAITASEC    Scroll back the DOS display
WIPE        Delete files for good
XDEL        Delete selected files

```

```

PCMagazine Disk X, Volume 2:
2FILE       Copy whole floppies to files
2FLOPPY     Recreate floppy from a file
APPBK       Pop-up appointment book
ASC         Pop-up ASCII chart
BATCHMAN    Powerful batch file enhancer
BLOAD       Reload saved scree display
BROWSE      View text files on screen
BSAVE       Save a screen display

```

```

VOL#   NAME           /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)

```

```

CHANGE      Search and replace text
COPYSAFE    Stop accidental overwriting
CS          Clear screen in 43 or 50 line mode
DIRCOMP     List 2 directories for comparison
DIRMATCH    Full-screen compare of 2 directories
DRAW        Create graphics from batch files
EGAxX      Set xx # of display lines; 15,25,35,43,50
EGA512      Load two fonts on EGA/VGA systems
EGACOLOR    Custom colors for EGA/VGA users
EGAITAL     Creates an italic font on EGA/VGA screens
EGAPALET    See all 64 EGA colors at once
EGAPRTSC   Enable EGA/VGA PrintScreen key
FILECTRL    Multi-format file viewer
FONTEDIT    Create your own screen font
FREEZE      Lock keyboard for security
MAKEBAR     Create Lotus-style menus
PARSE       Count chars, words, sentences & more
PLAY        Play tunes in batch files
REPEATS     Helps find duplicate files
SCHEDULE    Pop-up diary application
SEARCH      Disk-wide search for words/phrases
SLASHBAR    Create/use Lotus-style menus
SPECTRUM    Pop-up color selector
SUGGEST     Quickly flash messages on-screen
TIMEKEY     Enter time and date with a single key
VIDMODE     Select video mode
VIDPAGE     Select video page
VISITYPE    Extended keyboard buffer
XDIR        Pop-up a DIR at any time

```

#164 Disk Utilities /I W (C)92 PC-Magazine
PC-Magazine Disk Y:

DOSProgs.ZIP, for DOS and Windows, contains:

```

ALLKEYS     Control TSR hotkeys
ASPRN       Substitute printer characters
CALC        Pop-up programmer's calculator
CAPTURE     Capture screens for use with help
CARDFILE    Pop-up address book and autodialer
CHKPATH     Check PATH & list available programs
CO          Convenient file copy, move or delete
COMPARE     Compare contents of two files
CTYPE       Set cursor size and shape
DIRNOTES    Directory listing with comments
DOSKEY      DOS command line editing and recall
DR          Popular file manager
HELP        Make your own pop-up help screens
INSTALL     Load a TSR program into memory
JOURNAL     Track your expenses
KBX         Access hard-to-find keyboard chars
MEMMAP      Display PC memory map
MOUSEKEY    Emulate cursor keys with mouse
PAINT       Design text and help screens
PRN2FILE    Capture printer output in a file
RECORDER    Track file usage
REMOVE      Remove a TSR program from memory
RN          Directory manager, works with DR
SETMODE     Pop-up control of video & serial ports
SNIPPER     Cut-and-paste between applications
STAYDOWN    One-finger shift keys
STICK       Lock cursor shape and screen colors
TOGGLE      Software control of lock keys
TOUCH       Adjust file time and date stamps
            WINProgs.ZIP, for Windows only, contains:
CFGSAVE     Save Program Manager desktop
D'BUTTON    One-click program launcher
INCTRL      Monitor installation of a new program

```

```

VOL#   NAME           /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)

```

```

PROGSET     Alter file associations and tidy WIN.INI
STARS       Animated desktop display
WINEXT      Extends links from data files to programs
WINFO       Display Windows configuration info
WINFSR      Display Free System Resources
WININI      Reload WIN.INI w/o restarting Windows
WINMODE     Reports Windows mode to batch files
WINWHERE    Versatile Windows file finder
WPRINT     Drag-and-drop file printer
WSMOOTH     Windows smooth scrolling file viewer
            Note: These utilities require Win v3.0 or greater.

```

#165 Windows Utils /W (C)92 PC-Magazine
Note: Reqs Win v3.0 or greater.

This disk was distributed on HD 5", 96tpi media!

PC-Magazine Disk Z contains:

```

AMORT       Generates amort schedule
BAILOUT     Quick exit program
SCURSOR     Makes mouse cursor easier to see
BLITFIX     Speeds up Windows drawing dramatically
BUGS        "Hungry bugs" screensaver
CHANGER     Update desktop with every Win start
CHESS       Chess game
DELEVON     Telephone book and autodialer
FONTER      Manage TrueType font libraries easily
INI         Quickly modify .INI files from DOS
LEFTOVER    Shows free disk space
MADAVE      Decorative TrueType font
PMHOTKEY    Hotkey into Program Manager
PRINTCLP    Print text from clipboard
RCLICK     Menu bar that displays at cursor
SUPRLOAD    Flexible startup loading
TIME!       Set three timers that BEEP
TOTOP      Float icon on top of app.
USBATS      Dingbats-style State Symbols
VBRUN1     Visual BASIC Runtime Library
VBRUN2     Visual BASIC Runtime Library
WCLOCK     Bar with time and free resources
WINPAK     Three entertaining screensavers
WINSTART    Start Win apps from DOS prompt
WINTIDY    Keep Program Manager organized
WPRINT     Easy text/bitmap printing
WTIME      Synchronize PC clock to ACT
XCLOCK     Show different time zones w/alarm

```

#200 SERIES: COMPUTER CONTROL:

```

=====
#200 Screen Control Utils
CRTSAVE     /A Z (C) Paul Herman Mod
Simplified vers of SCNSAVE
CRTSAVER    /A Z (C) Bob Brasfield
Screen saver (April 1988 REMark)
FAS50       /A Z (C)84 F. Andy Seidl
50 Line Screen Driver (Z100LL #8)
FAS5025     /A Z (C)85 F. Andy Seidl
50/25 Line Screen Driver
GPRINT     /A Z
Screen dump for Epson MX-80
HORLOGE     /Z (C)90 Thierry Klein
Analog clock
MODE        /A Z (C) Gary Appel
25/28/50 Line Screen Driver
MORE        /Z (C)91 Gary Appel
File browser utility

```

```

VOL#   NAME           /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)

```

```

OFFLINE           /A Z
Type directly to the screen
PFH50 v2.0       /A Z   (C)89 Paul F. Herman
50/25 Line Screen Driver
PROPRINT         /A Z
Screen dump for C.Itoh Prowriter
PSC              /A Z   (C) Gary Appel
Print screen utility w/MODE
REVIEW          /A Z   (C) Dale Wilson
View previous 25 lines of screen
SCRNCLK         /A Z   (C)84 Pat Swayne
On-Screen clocks
SCNSAVE v1.4    /A G   (C) Michael Cogswell
Screen saver utilities
SCROLL          /A Z
Screen scrolling util
SPEEDUP v1.4    /A G   (C) Mike Nice
Lets DOS use BIOS for screen I/O
SW5025          /A Z   (C) Allen C. Holecek
50/25 line driver for use with CED100 (see disk #108)
VLACE           /A Z   (C)84 Dale Wilson
Turns interlace mode on/off
ZTIME           /A Z   (C)84 Jim Grunewald
Sets Great Salt Lake Compu Co. ComputerWatch clock/cal brd

```

#201 Device Config Utils

```

CF v2.0          /A Z   (C)84 Jeff Kalis
PRN & AUX Configuration pgm
DEVSET v1.0     /AC Z   (C)85 William B. Rothman
CON, PRN, & AUX Configuration pgm
DRIVER.ASM      /A Z   (C)84 Ray Duncan
Device Driver Template
LATTCDVD        /AC Z   (C) Frank Whaley
Lattice C Dev Driver Template
SCDVH v4.01     /Z     (C)90 Bill Flanagin
Reports device driver info
SETPRINT        /Z     (C) H.T. Wainwright
Reconfig Printer port
ZANSI.DVD v1.03 /A Z   (C)87 Joe Keenan
Ansi screen device driver (Z100LL #24, 37)

```

#202 Light Pen Support Disk (LL #9-11,#19,REM3/87,9/86)

```

LIGHTPEN        /A Z   (C) Gary Appel
Light pen routines & source and support files
CALC v2.2       /Z     (C)86 R.F. Doolittle
HP-25 Calculator (RD Software)
HASSARD.ZIP     /Z     (C)96 Bob Hassard
  SOL           Solitaire
  DP            Draw Poker
  BG            Backgammon
  LPBR         Bridge Card Game
LIFELINE.ZIP    /AC Z   (C) Paul F. Herman
Use of Z-100 Light Pen; Published in LifeLine #9 - #11
  DRAW         Draws *s with light pen
  TESTPEN      Test routine
  PEN          and support files
SOFTPEN.ZIP     /Z     Mods 1987 by Bob Hassard
Mods to SOFT-PEN SAMPLER that came with L-PC Lite-Pen.
Converted for DOS 4.0 & ROM. Files include:
  COMPU-ED.BAS DRIVERS.BAS   GAMES.BAS
  GRAPHICS.BAS L-PCDIR.BAS   MAP.BAS
  MOUSEEMU.BAS OPTIONS.BAS   SAMPLES.BAS
  SKETCH.BAS   LPCPEN.COM

```

```

VOL#   NAME           /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)

```

```

VERN.ZIP        /AB Z   (C)87 Vernon Reisenleiter
BRUSH           Compiled BASIC demo pgm
ZPEN v1.2       Light Pen resident support

```

#203 Keyboard Utilities

```

CAPCON          /A I   (C)88 Patrick Swayne
Swaps CAPSLOCK & CTRL keys on 101 key keyboards.
KEYCODE         /A I   (C)88 Patrick Swayne
Show keyboard codes on PC-compatibles.
KEYMAC         /A Z   (C)87 Patrick Swayne
Define response of Z-100 keys.
KEYMAP         /C Z   (C)86 William N. Locke
Keyboard code & display map utility (Z100LL #17).
KEYS v1.0       /A Z   (C)88 Patrick Swayne
Preset state of Caps Lock, Num Lock.
KEYS v1.4       /A Z   (C)83 John Stetson
DOS function key menu on line 25.
OFFLINE v1.0    /A Z   (C)83 Michael J. Cogswell
Set terminal modes w/keyboard.
SETSYS v1.0     /Z     (C)84 Unknown author
Sets cursor and display modes.
ZCODE          /A Z   (C)88 Patrick Swayne
Shows Z-100 keyboard codes.

```

#204 Configurable RAM Disks

```

MDISK2.DVD      /A Z   (C)91 Walter Ching
RAM disk driver
MEMBRAIN v1.21  /Z     (C)84 Dennis Lee
Pgm to create RAM disk driver (Z100LL #17, #21)
RAMDISK.ASM     /A Z   (C) Gernware
RAM disk driver source code
RAM v1.4        /A Z   (C)87 John Stetson
Display total RAM, total used, and total free
RAMFIT v1.4     /A Z   (C)87 John Stetson
Display or change RAM allocation strategy
RAMLIM v1.4     /A Z   (C)87 John Stetson
Reserves upper RAM for RAM disk
SHELLX          /A Z   (C) Andrew H. Derbyshire
Puts COMMAND.COM on RAM disk
Z205DISK.ASM   /A Z   (C) John Beyers
RAM disk driver source code

```

#205 DOS Memory Utilities (Z100LL #8, #16, #23)

```

ACT-MEM.BAS     /B Z
Finds and displays active memory
DEV v1.0        /A G   (C)84 Ray Duncan &
Reports device driver headers (C)90 Walter Ching
EATMEM v2.0     /A G   (C)85 Kim Kokkonen
Waste system RAM Turbo Power Software
FMARK v2.0      /A G   (C)86 Kim Kokkonen
File Mark program Turbo Power Software
MAPMEM v2.0     /P G   (C)86 Kim Kokkonen
Display DOS memory usage Turbo Power Software
MARK v2.0       /A G   (C)86 Kim Kokkonen
Memory mark program Turbo Power Software
MEMSCAN        /A G   (C) Robert LaFore
Graphic diagram of RAM use.
MEM-DUMP.BAS   /B Z
ZBASIC memory dumping routine
RAMFREE v2.0    /A G   (C)85 Kim Kokkonen
Display available RAM Turbo Power Software
RELEASE v2.0    /P G   (C)86 Kim Kokkonen
Release resident programs Turbo Power Software
RENDEV         /G     (C)90 Walter Ching
Renames device drivers

```

VOL#	NAME	/SA	SYS	AUTHOR	DESCRIPTION (ADDL INFO, REFERENCES)
	ROM-LOOK.BAS	/B	Z		ZBASIC routine to look at ROM memory
	ROM-REL.BAS	/B	Z		ZBASIC routine to get ROM release?
	SMAP v1.4	/G		(C)85 Dorn W. Stickle	Maps RAM Resident MS-DOS additions
	WALKMEM	/G		(C)93 Paul F. Herman	Displays DOS memory blocks
#206	Help Screen Utils				
	HELPSCRN v1.01	/A	Z	(C)86 Dennis L. Myers & George C. Crawford	Creates help screens
	REMINd	/C	Z	(C)87 Larry Conklin	Reminds of important events upon bootup.
#207	X10 Computer Ctrl Disk				
	CF.COM	/Z		(C)86 Jeff Kalis	Z-100 X10 Config program
	CHKCOP v2.0	/Z			Tests 8087 Math Co-processor
	INTER290.ZIP	/C	G	(C)90 Ralf Brown	The MSDOS Interrupt List:
	INTERRUP.1ST				Introductory file
	INTERRUP.A				INT 00 thru INT 1F
	INTERRUP.B				INT 20 thru INT 3F
	INTERRUP.C				INT 40 thru INT FF
	INTERRUP.PRI				iAPX 86 Interrupt Primer
	INTPRINT.COM Vs 1.11				Printing formatter
	INTPRINT.C				Source code for INTPRINT
	ZX10 v1.1	/G		(C)88 Mike Nicole	Powerhouse Home Controller
#208	Z-100 Mouse Pgms				
	MOUSEPAK v1.02	/A	Z	(C)87 Paul F. Herman	
	ZMOUSE v1.06	/A	Z	(C)87 John T. Jessee	
	ZMOUSE v2.04			(C)90 Walter S. Ching mods.	
	ZMOUSE v1.4	/A	Z	(C)90 Clarkson College	
#209	NOHUG Disk #6	/Z		(C)Various authors	Utility Programs
	BINARY.COM				Convert DEC to Binary
	BLINKOFF.COM				Turns blinking cursor off
	BLINKON.COM				Turns blinking cursor on
	BLOCKCUR.COM				Display a block cursor
	BNCHMARK.COM				PASCAL Benchmark program
	BUFEXC.ASM	/A	Z		Modem Buffer Exchange pgm
	CLEAN.COM				Selectively erases files
	CLEANUP.COM				Selectively erases files
	CLOCK.COM				"On Screen Clock" ON/OFF
	CLOCK-X.COM				Displays clock in top left corner where X is: 1=Blue, 2=Green, 3=Cyan, 4=Red, 5=Magenta, 6=Yellow
	CLS.COM				Clears screen
	COLOR.COM				Sets the screen colors
	CRTRESET.COM				Resets to power-up config
	D.COM				Directory utility
	DATETIME.COM	/A	Z		Writes time & date to disk
	DEBUGGER.COM				Debugger Menu program
	DECIHEX.COM				Converts DEC to HEX base
	DISPLAY.COM				Paginates display of text
	FACTORAL.COM				Calculates factorials of number
	FORMFEED.COM				Sends formfeed to printer
	GC1000.COM	/A	Z		Sets time fm GC1000 Clock
	HUGCALC.COM				PASCAL Programmer's Calc Pgm
	KEYSHIFT.COM				Shifts Keypad mode
	LABEL.EXE				Changes volume labels on disks

VOL#	NAME	/SA	SYS	AUTHOR	DESCRIPTION (ADDL INFO, REFERENCES)
	LINECUR.COM				Sets underline cursor
	MARK.EXE				Set read only, hidden, or system
	NOREPEAT.COM				Turns off repeat key mode
	PATROL.EXE				Game program w/color graphics
	PIP.COM				PIP (COPY) program for Z-DOS
	PRISMSET.COM				Set-up PRISM 80/132 pointers
	PROT.COM				Protect files from erasure
	QSORT.COM				PASCAL Quick-Sort program
	QUIET.COM	/A	Z		Turns off the key click
	SAVER.COM	/A	Z		Screen saver program
	SETUP.COM	/A	Z		Screen set-up program
	SPOOL.COM				Printer spooler program
	STEADY.COM	/A	Z		Turns off blinking cursor
	UNLOCK.DOC				Unlocks files saved
	UNPROT.COM				Un-protects files from erasure
	VDEL.COM				VERIFY ON DELETE on files
	Z.COM	/A	Z		Sorted disk directory pgm
#210	P-SST Software				
	P-SST Software	/B	Z	(C)84 LP Systems, Inc.	Distribution Files for P-SST board.
	P-SST Maestro	/Z		(C)85 John F. Stetson	Music files for P-SST board.
	P-SST Aids	/Z		(C)86 Wojtek Bok	P-SST Programming Aids.
#211	PSC-100 Software				
	PSC-100	/BPA	Z	(C)90 Gernware Enterprises	Sound board support files.
#212	Light Pen Sampler				(C)87 Mods by Bob Hassard
	CALBRATE	/Z			COMPU-ED /B Z
	DRIVERS	/B	Z		GAMES /B Z
	GRAPHICS	/B	Z		HALOGO /Z
	INT10GO	/Z			L-PCDIR /B Z
	LPCPEN	/Z			MAP /B Z
	MOUSEEMU	/B	Z		OPTIONS /B Z
	PIXDEMO	/Z			SAMPLES /B Z
	SKETCH	/B	Z		
#213	Clock Programs				
	CHRONOLOGIC v82.12	/A	Z	(C)82 Dale Wilson	Z-DOS date & time utility
	FBESW DS1216E	/A	Z	(C)86 FBE Research Co.	SmartWatch ROM Utility
	ZDSSW DS1216E	/A	Z	(C)86 Zenith Data Systems	SmartWatch ROM Utility
	ZCLK v1.2	/A	Z	(C)84 FBE Research Co.	Clock program for ZCLK board
#214	GEMASGN v1.01	/Z		(C)85 J.J. Thompson	Gemini partition assignment utility to permit access from Z-DOS side of drive.
#215	Scottie Board	/Z		(C)86 Scottie Systems	Several Clock Utilities, plus: SBCONFIG Set Scottie Board COM ports SCOTBRD.DOC Scottie Board documentation VIDCON Enable video control port ZHSTEST Testing utility Note: A Scottie Board Mod resolves a clock & LLSCSI conflict.


```

=====
VOL#   NAME           /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)
=====

```

```

#216   UCI Utilities   /Z       (C)86 UCI Corporation
CPUID.COM           CPUSPEED.COM
DISKTEST.COM        DISKTYPE.COM
FLAGS.COM           IDENT.COM
JUMP.COM            SHIP.COM
PS232INP.COM        PS232OUT.COM
SMOOTH.COM          VIDTEST.COM
EASYMATE.EXE

```

```

UCI EasyIO Utilities /Z       (C)86 UCI Corporation
CLOCK.COM           SETCLOCK.COM
RDCLOCK.COM         TSTCLOCK.COM
SETCOM1.COM         RESCOM1.COM
SETCOM2.COM         RESCOM2.COM

```

```

#217   96TPI Drive Ops /Z       (C)85 UCI Corporation
        Including FORMAT utilities

```

#230 SERIES: PROGRAMMING & DIAGNOSTICS:

#230 Programmer's Utilities:

```

=====
ASCI-VAL.BAS        /B Z
Produces ASCII value from key pad input
BASDEBUG.BAS        /B Z   (C)84 Ken Christopher
Utility to look at .COM files; Vs 1.01
BASECONV            /B Z   (C)82 Dr. Karl Sarnow
Base conversion
BASES               /B Z   (C)77 Jim West
Base conversion
BSF v1.3            /B Z   (C) Al Klappenberger
ZBASIC/GW-BASIC Screen Formatter
CHAR-SET.BAS        /B Z   (C) Ken Christopher
Displays ASCII & Graphics chars
CPUID               /Z     (C)90 Bill Flanagin
CPU identification program
HEXGEN.BAS          /B Z   (C)83 John Stetson
ZBASIC HEX to COM/EXE to HEX conversion
HEX-CALC.BAS        /B Z   Ken Christopher
Hex Table
IBM22100            /B Z
Basic conversion program
MAKEDATA.BAS        /B Z   (C)84 Ken Christopher
Reads .COM file & makes it a .BAS data file
NUM-BASE.BAS        /B Z
Base Conversion
NUM-CONV.BAS        /B Z   (C)83 Terry D. Lundgren
Converts #s between bases (2-36); adapted from PC Magazine
RENUM               /Z     (C) Bob Brasfield
Renummer .ASM source files
TECHREF             /Z
500K Bytes PC tech ref files
WRITECOM.BAS        /B Z   (C)84 Ken Christopher
Makes a .COM file from a .BAS data file
X80TO86             /B Z
8080 to 8088 conversion
X80TOZ80            /B Z
8080 to Z80 conversion
ZROM5               /Z     (C) Rik Gugeler
MTR-100 ROM description pgm

```

#231 Program Development Utilities

```

APMOID             /A Z   (C)90 Pat Swayne, HUG
APNOID2            /A Z   (C)90 Pat Swayne, HUG
Z-100 Breakout programs

```

```

=====
VOL#   NAME           /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)
=====

```

```

APSET              /A Z   (C)86 Pat Swayne, HUG
BRK                /A Z   (C)90 Pat Swayne, HUG
BRKOUT             /A Z   (C)90 Pat Swayne, HUG
MAKEdyer           /C Z   (C)84 Landon Dyer
Utility for maintaining multiple source files
MAKERoub v1.0     /C G   (C)88 Paul Roub
MAKE utility for program development
PW                 /A Z   (C)90 Pat Swayne, HUG
PWINDOW            /A Z   (C)90 Pat Swayne, HUG
STOPIT            /A Z   (C)89 Robert S. Logan
Break out of Pgms with endless loops
TAME               /A Z   (C)89 Robert S. Logan
Tames the "WILD INTERRUPT" from IBM pgms
ZZAP v2.1         /Z     (C)83 WestComp
Explores memory, files to buffers.

```

#232 Multi-Disk IO.SYS -- Modified for Custom Setups

```

BIOS96:           /A G   (C)87 John Stetson
Patch BIOS for 96tpi disks, includes: (HUG 885-8046)
- BIOS31PC.COM     - Switch PC to Z-100 DOSv3.1, 96tpi format
- BIOS32PC.COM     - Switch PC to PC-DOSv3.2, 96tpi format
- BIOS31Z.COM      - Switch Z-100 to Z-100 DOSv3.1, 96tpi fmt
- BIOS32Z.COM      - Switch Z-100 to PC-DOSv3.2, 96tpi format
- FORM300C.BAT     - Patch FORMAT pgm for 96tpi v3.00 IO.SYS
- FORM302C.BAT     - Patch FORMAT pgm for 96tpi v3.02 IO.SYS
IO.SYS (8 vers)   /Z     (C)85 Frank K. Heath
Disk IO.SYSs w/expanded capability

```

#233 Winchester Utilities Documentation

```

DETECT.DOC &
PCDETECT.DOC      /Z     S. W. Vagts, Z-100LL
Detect bad sectors program
EZPCPREP.DOC      /Z     S. W. Vagts, Z-100LL
EasyPC PC HD procedures
GEMIPREP.DOC      /Z     S. W. Vagts, Z-100LL
GEMINI PC HD procedures
LOOK v1.0         /Z     (C)90 Paul F. Herman
Document viewing program
PART.DOC &
PCPART.DOC        /Z     S. W. Vagts, Z-100LL
Repartition Hard Drive
PREP.DOC &
PCPREP.DOC        /Z     S. W. Vagts, Z-100LL
Initialize Hard Drive
SHIP.DOC          /Z     S. W. Vagts, Z-100LL
Parks drive heads
SHIPS v2.01       /Z     (C)88 William C. Parke
Parks multiple Hard Drives
(REMEMBER: SHIP & SHIPS ARE NOT USABLE on PC Side of Z-100)

```

#234 GWBASIC PROM Utilities

```

PROM               /B Z   (C)87 Ross Custom Electronics
Program EPROM using 2661 UART.
XPROM              /B Z   (C)87 Ross Custom Electronics
Program EPROM using 8250 UART.

```

#235 Drive Utilities

```

CLEAN2             /Z     (C)83 Marty Smith
Floppy Disk Drive Cleaning util
DAE v4.02          /Z     (C)85 Computech
Read or change track & sector info
DIAG v1.2          /Z     (C)84 Zenith Data Sys
DIAG v1.3          /Z     (C)85 Zenith Data Sys
For troubleshooting computer, drives, RAM, etc.

```

~~~~~  
**VOL# NAME /SA SYS AUTHOR**  
**DESCRIPTION (ADDL INFO, REFERENCES)**  
 ~~~~~

DSKCLEAN /B Z (C)83 Marty Smith
 ZBASIC Floppy disk drive cleaning utility
 DTEST /A Z (C)88 Patrick Swayne
 Disk drive testing program.
 FTEST /A Z (C)88 Patrick Swayne
 Test for a formatted disk.
 LOOK v1.0 /Z (C)90 Paul Herman
 Document viewing program.
 SPEED /A Z (C)88 Patrick Swayne
 Program to test computer speed.

#236 Hard Disk Info Various authors
 DRIVE.LST /G
 List of hard disk drives
 DRIVES.ZIP /G
 Differences between RLL & MFM drives
 HARDDISK.DOC /G
 Discusses hard drive formats
 SEAGATE.ZIP /G
 List & Specs of all Seagates
 STICTION.ZIP /G (C)95 Mike Zinkow
 Why hard drives should be 'SHIPped'.

#237 UCI EasyWIN HD Utility
 UCIVIN v1.2 /Z (C)87 UCI Corporation
 UCI EasyWIN hard disk utility

#238 Zenith HD Utils /Z (C) Zenith Data Systems
 ALTCHAR.SYS v1.01, v2.12, v2.16, v3.10, v4.05
 ASGNPART v3.10, v4.05
 DETECT v2.12, v2.16, v3.10, v4.05
 DSKCOPY v1.01, v2.12, v2.16, v3.10, v4.05
 FORMAT v3.10, v4.05
 PART v1.01, v2.12, v2.16, v3.10, v4.05
 PREP v1.01, v2.12, v2.16, v3.10, v4.05
 SHIP v2.16, v3.10, v4.05
 TRAPINT0 V4.05
 TRAPINT1 V3.10
 VERIFY v1.01, v2.12, v2.16, v3.10

#239 Assembler/Disassembler
 CHASM /I (C) David Whitman
 Small Assembler program
 ASMGEM /I (C) J. Gersbach &
 J. Damke
 A disassembler program
 MEMBRAIN /I (C) Author unknown
 DOS device driver for emulated drive
 FSPOOL /I (C) Author unknown
 Redirects output to a disk file
 RAMDISK /A G (C) Author unknown
 RAM disk device driver
 SDIR /A G (C) Author unknown
 Sorted directory utility
 UNWS /G (C) Author unknown
 Turns WordStar files to straight ASCII
 DEBUG.DOC /Z
 DEBUG tips

#250 SERIES: COMPUTER EMULATION:

=====

#250A ZPC v2.x For Z-100 w/v2.x MTR-ROMs
 ZPC v2.1 /Z (C)86 Patrick Swayne, HUG
 Z-100 Software PC-emulator
 CLS.ASM /A Z (C)89 Paul Sitz
 Clear screen program

~~~~~  
**VOL# NAME /SA SYS AUTHOR**  
**DESCRIPTION (ADDL INFO, REFERENCES)**  
 ~~~~~

PATCHIT v1.3 /C Z (C)89 Paul F. Herman
 ZPC Patches & Info
 ZPCFIXES.DOC /Z (C)89 Paul Sitz
 ZPC change instructions
 ZPCQUES.DOC /Z Patrick Swayne
 ZPC questions & answers

#250B ZPC v3.05B For Z-100 w/v3.x MTR-ROMs
 ZPC v3.05B /A Z (C)86 Patrick Swayne, HUG
 Z-100 Software PC-emulator w/mods by John Beyers, 1992

#250D ZPC v3.0D For Z-100 w/v3.x MTR-ROMs
 ZPC v3.0D /A Z (C)86 Patrick Swayne, HUG
 Z-100 Software PC-emulator w/mods by Donohue & Herman, 1991

#250S ZPC v3.0S For Z-100 w/v3.x MTR-ROMs
 ZPC v3.0S /A Z (C)86 Patrick Swayne, HUG
 Z-100 Software PC-emulator w/mods by John Beyers, 1992

#250T ZPC v4.05 For Z-100 w/v4.1 MTR-ROM
 ZPC v4.05 /A Z (C)86 Patrick Swayne, HUG
 Z-100 PC-emulator w/mods by John Beyers & Mike Zinkow, 1992
Note: ZROM v4.1 is no longer supported because it created problems for the other operating systems. It has been replaced by ZROM 4.3.

#250U ZPC v4.06 For Z-100 w/v4.3 MTR-ROM
 ZPC v4.06 /A Z (C)86 Patrick Swayne, HUG
 Z-100 PC-emulator w/mods by John Beyers & Mike Zinkow, 1998

#251 PC Emulator Utils
 FKEY_CL /A Z (C)90 Rik Gugeler
 Z-100 Function Keys emulate PC's
 PCEM /Z (C) Randy Estes
 PC emulator program
 RZPC /A Z (C)90 Rik Gugeler
 RZPC emulator
 ZSCREEN /C Z (C)90 Lindley Systems
 Screen library for Z-100 & PCs
 ZSPRINT /A Z (C)90 Rik Gugeler
 PC keyboard emulation

#252 IBM-370 Emulator /G (C)87 Don Higgins
 IBM-370 X-Assmblr & Emulator

#253 Tektronix 4010 emulator
 TEKPLT /C G (C)86 Butler Hine
 Tek 4010 plotting routines
 TEM4010 v1.12 /Z (C)85 Virtual Sys Software
 Emulates H/Z-19, DEC VT52, or Tek4010, from Clarkson Univ.
 VT100EM /Z (C)85 UNO Comp. Research Ctr
 Permits Z-100 to emulate the DEC VT100 or DEC VT52
 ZTEK /B Z (C)84 Lonnie R. Abelbeck
 Tektronics 4010 emulator

#254 LISP Programs
 CLISP100 v2.04.02 /Z (C)88 David W. Bray
 Z-100 LISP program
 Z100LSP /A Z (C)88 Stanley Schwartz
 Z-100 interface for muLISP-87

```

=====
VOL#  NAME      /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)
=====

```

#300 SERIES: PRINTER CONTROL:

#300 Printer Utilities

```

=====
BASIC Programs      /B Z
  BROWN             Prints brown on a color printer
  GREEN             Prints green on a color printer
  ORANGE            Prints orange on a color printer
  VIOLET            Prints violet on a color printer
  CENTERED          Program centers text on each line
  COVER-UP          Prints text w/o displaying on screen
  DRIVER            Printer driver
  GRUMP             Prism printer screen dump
  JUSTIFY           Right justifies output; 1983 F. Kent
  JUSTIFY2          Right justifies output; 1983 F. Kent
  LISTER            Dumps a file to the printer
  OKIDUMP           Okidata 92 scrn dump; 1984 Tim Ross
  PRORITER          C.Itoh Prowriter screen dump
  BS               /A Z      (C)88 Patrick Swayne, HUG
HUG Both Sides Printer Utility.
  FORMFEED         /Z      Sends FF to printer.
  HBPS             /A Z      (C)85 Patrick Swayne
HUG Backgrnd Print Spooler w/patches to BASICA, WS, & Word.
  MX80            /A Z      (C)89 Rick Schaeffer
Setup MX-80 print modes
  PRISMDMP         /B Z      (C)84 Tim Ross
Screen dump for PRISM 80/132 printer
  REPRINT          /A Z      (C) Robert Metz
Re-direct printer output.
  SPOOLER v2.3    /A Z      (C)85 Mike Nice
Print spooler device driver
  TYPER           /A Z      (C)85 Patrick Swayne
Type ASCII & ESC codes directly to setup printer.

```

#301 TSR Printer Utilities

```

  DUMP v2.2        /B Z      (C) Computer Place Software
Screen Dump TSR program
  GSCRDUMP Utilities /Z      (C) Clarkson College
Graphics Screen Dumps for some popular printers, incl:
  GSDFX            Epson FX-80
  GSDG             Gemini & Epson MX-80
  GSDGL            Gemini, rotated 90 degrees
  GSDGN            Gemini, pixel for pixel
  GSDO             Okidata 92 or 93 printer
  GSDP             Prowriter printer
  ASD             ASCII-only screen dump
  POPMENU Utilities /A G      (C)90 Rik Gugeler
Memory resident print control program (Z100LL #11)

```

#302 SCDMP v3.52 /A G (C)86 Bordelon Software
Screen Dump utility for Z-100 & Z150

#303 Printer Utilities

```

  GEMGRAPH         /G
Screen dumps to Gemini 10X
  JUSTIFY          /G      (C)84 ComFax
Produces Justified copy
  PERFSKIP        /G      (C)85 David Ray
Skips a designated # of lines
  PRINTER v1.1    /G      (C)83 John Petrey
Sets up printer using function codes
  REDIRPRN        /G      (C)84 John Axline
Redirects output to a file
  SIDEWAYS v3.52  /G      (C)86 Unknown
Prints files sideways

```

```

=====
VOL#  NAME      /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)
=====

```

```

  SPOOL v3.6       /G      (C)83 Alan Jones
Software printer buffer
  VPRINT          /G      (C)85 David Whitman
Redirects output to a file

```

#304 Image Print

```

  IMAGEPRINT v1.20 /I      (C)86 Image Computer Sys
Prints high quality chars
                        From PC-SIG

```

#305 Side Writer

```

  SIDEWAYS v1      /I      (C)85 Robert W. Dea
Print files sideways

```

#306 Printer Utils /I (C) Multipath, Inc.

```

  BANNER           BANNERIF  BRADFORD  CPRINT
  DISKSET          DLAB       EPSLQ     EPSNOKI
  EPSON            EPSONCHR  EPSONSET  ETPRINT
  FPRINT           FSPool    HPJET     HPLZLAB
  JETFONT          JETSET1   JUSTIFY   LAASER
  LASERJET         LASRJET   LJET      LQPRINT
  MARGIN           MSPool2   NEWFONT   PCPRINT2
  PDSW             PROSET    QA        SIDEWAYS
  TYPERITE        FASTPRT   LABELER   LABELIER
  LETRHEAD        MP        NUEPSON   OKISTUPS
  PCFONT2         PERFSKIP PMENU3    POSTER
  SBANNER1        SCNDUMP   SIDEWRIT  SP
  TFL             CTRLPRTS  EPLOT     FXMASTER
  FXMATRIX        GOTHIC   LETTERQK  P21
  PCPRNT          PRINTER  PRINTSET  PRNMAGIC
  PSETCIT         RPRN     SETPRN    SIGN
  SIGNSMIF        TYPRT13

```

#400 SERIES: MODEM CONTROL/COMMUNICATIONS:

#400 KERMIT

```

  KERMIT86 v1.1    /Z      (C)83 Columbia Univ.
  KERMIT86.ASM    ASM source code only
  KERMIT86 v2.29  /Z      (C)83 Columbia Univ.
  KERMIT           -- Kermit v2.26 (older version)
  MSOZ10          -- Kermit v2.28 (old version)
  MSTZ10          -- Kermit v2.29 (current version)
  MSVZ10          -- Kermit v2.29C (test version)
  KERMIT v3.12    /A Z      (C)92 Bo Gedda, Columbia
Z-100 vers of popular communications program (Z100LL #29 has review)

```

#401 Terminal & Modem Comms Pgms

```

  COMPAC v1.00    /Z      (C)84 Blue Ridge Software
Z-100 comms package
  HUGMCP v2.01    /A Z      (C)90 Jim Buszkiewicz, HUG
HUG modem comms package Old HUG #885-3033
  JHMODEM v1.0    /Z      (C)91 John G. Hetzler
Z-100 comms package
  MTERM v1.51     /Z      (C)84 Micro-Systems Software
Z-100 Smart Terminal program

```

#402 Terminal & Modem Comms Pgms

```

  BESTERM v2.8    /C Z      (C)87 Bruce E. Stock
Modem comms program
  DOWCON.BAS      /B Z      (C)83 Michael Raymond
ZBASIC COMPUSERVE protocol stripper
  MINITERM v2.1   /B Z      (C)83 David Gubbins (Gern)
Terminal emulation pgm
  RLE v1.2        /P Z      (C)85 Rick Schaeffer &
Z-100 CompuServe Interface Mike Nice

```

```

VOL#   NAME           /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)

```

```

TT /Z (C)85 Magicsoft
Xmodem transfer time program
ZYAM v4.27 /Z (C)84 Chuck Forsberg &
Modem (serial only) Comms pgm (C) Bruce Stock
Z100RBBS /B Z (C)82 C. McCurry &
ASCII Data/Pgm File Transfer Util Bill Taylor

```

#500 SERIES: Z-100 MODIFICATIONS:

```

#500 Z-100 Hardware Mods & Info
CPUPC v1.4 /A I (C)87 John Stetson
IBM-PC CPU test pgm
CPUZ v1.4 /A Z (C)87 John Stetson
Z-100 CPU test pgm
CPU2 /Z (C)86 Kim Levitt
CPU speed test
DSMOD.DOC /Z (C) Jim Ward
Z-217 Data Separator Board Mod for 4 Hard Drives (LL #8)
DSALIGN .DOC /Z From Zenith manuals
Z-217 Data Separator Board Alignment (LifeLine #8)
SCOTIMOD.DOC /Z (C)95 Mike Zinkow
Scottie Board Speedup to 10MHz (LifeLine #41)
SPEEDUP.DOC /Z (C)94 Mike Zinkow
CPU speedup to 10MHz & FASTER (LifeLine #35)
TEACDUAL.DOC /Z (C)94 Robert F. Hassard
Using the TEAC dual 3.5/5.25" high-density drives
ZMODS.DOC /Z (C) Mike Cogswell
HiPerf 8 Mhz Mod
ZUPGRADE.DOC /Z (C) David Gubbins
Motherboard upgrade to 256k RAM and 8 MHz plus
Z100FSB.DOC /Z S.W. Vagts, Z-100LL
Z-100 Field Service Bulletins (LifeLine #42)
Z205MOD.DOC /Z (C)95 Mike Zinkow
Z-205 RAM Card thruput speedup (LifeLine #38)

```

#501 Z-100 Software Info

```

ECHO.DOC /Z (C)87 John F. Stetson
Problems with ECHO command
HZ100-0x.TXT /G (C) David Gubbins
Series of four early newsletters by Gern, started 1/84.
MSDOS31 .DOC /Z (C)87 John F. Stetson
Overview of MSDOS vs 3.1
MSDOS32 .DOC /Z (C)87 John F. Stetson
Overview of MSDOS vs 3.2
MSDV213 .PAT /Z (C) David Gubbins
Patches to IO.SYS vs 2.13
PROMPT .DOC /Z (C)87 John F. Stetson
Use of DOS PROMPT command
SHIP.PAT /Z (C)85 Charles Dale
Patch to SHIP.COM, vers unknown
ZDSBOARD.TXT /Z (C)85 ZDS
Common Q&As and sample programs
ZTECHMAN.DOC /Z (C)85 Dick Dysart
Index to Z-100 computer parts
ZUPGRDx .TXT /Z (C)88 David Gubbins
Series of 5 Z-100 information text files
Z100BIOS.DOC /Z (C)87 John Stetson
Mods to Z-100 MSDOS BIOS
Z100INFO.TXT /Z (C) David Gubbins
Description of Z-100 components
Z100NOTE.TXT /Z (C) David Gubbins
Random Z-100 notes
Z100PS.TXT /Z (C)90 David Gubbins
Description of Z-100 Power Supply

```

```

VOL#   NAME           /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)

```

```

Z12MDRIV.DOC /Z (C)88 Al Holecek
Installing 1.2meg drive on 8" connector
#502 LLSCSI/EEPROM BOARD FILES
(C)1987 Paul Herman, Travis Barfield, Robert Hassard
Robert Donohue, William Flanagan
EEPROM /AC Z Bootable EEPROM files
LLSCSI /Z SCSI hard drive files
SOURCE /AC Z EEPROM source files

```

#550 SERIES: E.E. PUBLIC DOMAIN:

Disks from E.E. Public Domain, 36 Irene Lane E., Plainview, NY 11803

```

#550 COMPACT Utility /B I (C)83 Chris Trask
An optimization and design program for high freq networks.

```

Files on disk include:

ALMOND.BAS	ALMOND.EXE	BASRUN.EXE	COMMENTS.DOC
CONTENTS	COVER	FBAMP.NET	FBAMP.OBJ
J309.OBJ	J309.NET	LPFLTR.NET	LPFLTR.OBJ

And PAGExx files #1-38, missing pages 6-17, which must be purchased separately From E.E. Public Domain. According to the manual's Introduction, "ALMOND (Algorithm for Microwave Optimal Network Design) is a high freq/microwave circuit design tool, incorporating a wide range of distributed, lumped, and defined Elements, plus interconnections." Attempting to run ALMOND.EXE gave "WILD INTERRUPTS" on a native Z-100 and ZBASIC gave syntax errors. So, I believe the Program was written for PC-clones using some form of MBASIC, GWBASIC?

```

#551 Elect Design Utils /B I (C) Various
Electronic design utilities written in Microsoft MBASIC?

```

Files on disk include:

COMMENTS.DOC	CONVSHYZ.BAS	FIL-BPID.BAS	INTERMOD.BAS
NETWORKS.BAS	NF-IP.BAS	NRBNPAS.BAS	TPCMOD01.BAS
TRANSRES.BAS	UMATCH.BAS		

I gleaned the following info from within the code of the .BAS files:

FIL-BPID.BAS - Title: "Designs Interdigital BPFs"
 "Design data for ? Pole interdigital filter. Butterworth response."
 INTERMOD.BAS - Title: "Intermod mixer intermod/harmonic program"
 "By M. Goldfarb, Aug 85"
 NETWORKS.BAS - Title: "Networks from RF Design, Apr85 by Alan Lapenn"
 "Three element matching networks"
 NF-IP.BAS - No title, but text shows: "Intercept and noise figure program"
 "W. Sabin, Sep., 1980"
 NRBNPAS.BAS - Title: "Narrow Band Pass Filter Design"
 "W. Sabin, 1982"

ZBASIC gave all kinds of syntax errors, so would require program mods.

```

#552 Elect Design Utils /B I (C) Dr. Alan Katz
Electronics design utilities written in Microsoft MBASIC?

```

Files on disk include:

ABSTRACT	- Describes each of the following utilities		
AMP-CALC.BAS	ATTN-IBM.BAS	BESSEL.BAS	CASCADE.BAS
COMB.BAS	DC-BIAS.BAS	FILT-ELE.BAS	FILTER.BAS
FORTAB-I.BAS	FOURIER.BAS	HFE1K.S	IMD5.BAS
IND-CALC.BAS	L-MATCH.BAS	LOS-OBJ.BAS	MAT.BAS
MECAP.BAS	MS-IBM.BAS	POLREC.BAS	Q-MATCH.BAS
READ-ME.ALL	REFCOEF.BAS	RMS-IBM.BAS	S-YZHT.BAS
SAMPLE-1.CAP	SAMPLE-2.CAP	SAT-IBM.BAS	SMATH-I.BAS
SPUR-IBM.BAS	T-NET.BAS	T-PI.BAS	TCAP-IBM.BAS
TRANSLIN.BAS	TROP-IMB.BAS	UPLLOT.BAS	VERSION
WAVE-G.BAS	YCALC.BAS	YZHT-S.BAS	Z-INVNT.BAS

These are a collection of utilities by Dr. Alan Katz, Dept. Of Engineering Technology, Trenton State College. I believe written in GWBASIC.

```

VOL#   NAME           /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)

```

#553 Elect Design Utils /B P I (C) Various
 Electronics design utilities written in Microsoft MBASIC

Files on disk include:

HELICAL.ASC HELICAL.DOC HELICAL.TXT

A helical resonator design program from "RF Design" magazine?

Note: The .ASC file is an ASCII file format for use with loading into BASIC.

INDUCTOR.ASC INDUCTOR.BAS INDUCTOR.DOC

General purpose inductor design pgm for air-core & toroidal inductors.

LOZD-TUN.ASC LOZD-TUN.BAS LOZD-TUN.DOC

Double-tuned bandpass filter pgm by Andrzej Przedpelski

MXFILTER.COM MXFILTER.PAS

Bandpass filter calculator in PASCAL, Jeff Crawford.

PI-MATCH.ASC PI-MATCH.BAS PI-MATCH.DOC

Micro Magic PI-network designer pgm.

TUNEDAMP.BAS TUNEDAMP.DOC TUNEDAMP.TXT

Multiple-tuned amplifier pgm, Jack Porter, Cubic Corp.

Designs tuned amplifier coupling networks using Chebyshev or Butterworth filters.

Other Files added to the disk include:

BPF.ASC BPF.XRF

Simple BandPass Filter program by Earl Bossaller, Jr., of R.F. Products

This version does not use a screen driver.

BPFIBM.ASC - BPF for PC-clones using BASICA or GWBASIC.

This version will reportedly work on the H/Z-100 in ZDOS/MS-DOS modes.

BPFKPRO.ASC - BPF for MBASIC on all Kaypro CP/M computers using
 ADM-3 ESCape codes.

BPFZEN.ASC - BPF for Zenith/Heathkit H/Z-100 and H/Z-89/90 computers
 using a CP/M operating system.

IBM.DVR KAYPRO.DVR NONE.DVR ZENITH.DVR

Screen driver programs for computers using some version of MS-BASIC.

#554 Elect Design Utils /P I (C) Various
 Electronic design utilities written in Microsoft MBASIC

Files on disk from Jeff Crawford include:

BAIRSTOW.PAS - Bairstow polynomial root finder

CHEBFIL.COM CHEBFIL.PAS

Math Library Functions v2.0

CIRANL.PAS - Performs nodal circuit analysis for freq response.

FFT.PAS - Forward & reverse FFT analysis program

LUDEC.PAS - LU decomposition in place

MXFILTER - Find maximum passband width

ROMBERG.ASC - Solves integration problems

SPIRLIND.PAS - Uses Neumann's form to call DC value of inductance

Files on disk from Richard Kolbly, Golden Rule Systems, include:

DISH.ASC - Designs a parabolic dish & the sub-reflector

FILTER.ASC - Multiple feedback active filter

FILTER.EXE

MFILTER.ASC - Extension of FILTER.ASC for cascading filters

NET85.ASC - A network analysis program with FILTER & MFILTER

NET85.EXE

RFDESIGN.ASC - Adaptation of a Smith Chart program

RFDESIGN.EXE

SABIN.ASC - Signal Analysis program by W.E. Sabin.

SABINFIX.ASC - Modified Signal Analysis program, SABIN.ASC

SATELLIT.ASC

Other files on the disk include:

14x9.FON 4x6.FON 8x8.FON COMMENTS.DOC

DUMMY ERROR.MSG KOLBLY.DOC PASCAL.TXT

PLOTGR.CHN

```

VOL#   NAME           /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)

```

#600 SERIES: ASSEMBLY LANGUAGE:

=====

#600 Assembly/Debug Tutorial

ASMTUTOR.DOC /Z (C) Joshua Auerbach

Tutorial text

BREAKER /A Z (C) Paul F. Herman

Breakout utility

CHARTRAN.DOC /A Z (C)95 Thierry Klein

Handling Files in Assembler

PROGNOTE.DOC /Z (C)90 Rik Gugeler

Assembly language tips

RESDEB /A Z (C)85 Robert S. Logan

Resident debugging program

TAME /A Z (C)85 Robert S. Logan

Wild interrupt handler

ZPCBREAK /A Z (C) Paul F. Herman

BREAKER for use with ZPC

#601 Intel 80x86 Disassemblers

ASMGEN v2.01 /G (C)85 J. Gersback &

ASM code generator pgm (C) J. Damke

DIS86Z v1.10 /G (C)85 James R. VanZandt

Interactive Disassembler

#602 8086 Assmbr/Debugr /G (C) Eric Isaacson

A86 Z-100 8086 assembler

D86 Z-100 debugger (Z-100LL #18 Review)

#603 68xx CrossAssmbr /C G (C)84 E.J. Rupp

Motorola 6800 - 6811 Cross Assembler

#604 DOS 2.1 Disasmby /A G (C) Don Jindra,

Inner workings of MS-DOS 2.1 Information Modes

#605 TASM301 /Z \$ (C)85-92 Thomas Anderson

Cross Assembler from Speech Technology Inc. (Z-100LL #50)

BOOZ.EXE Archive extractor (ZOO fmt)

MISC.ZOO Miscellaneous sample files

MOTO.H Motorola definitions

README Brief Explanation of Disk

README.C11 TASM to assemble output

README.RCS Revision Control System doc

RELNOTES.DOC Release notes

SC11LIB.ASM PD Small C compiler

SC11MAIN.ASM by J. Hendrix

SC11TEST.BAT

SC11TEST.C

TASM.DOC TASM user's manual

TASM.EXE TASM Assembler, executable

TASMDOC.ZOO TASM User's Manual Archive

TASMTABS.DOC TASM tables document file

TASM*.TAB Instruction defin tables

TEST*.ASM TASM test file (1/table)

TESTTABS.BAT Execute TASM for each test.

8051.H 8051 Register definitions

Also included is TASM v2.2, a 1986 version.

#606 ASM Source Code Utils (C) Various authors

8086 Assmby Lang source code utilities for the Z-100

GERNASM.ZIP /A Z Gern's HZ-100 PD Lib

ATTRIB Allows changing file attributes

BUFEXC Compuserve's Z-100 Terminal Emulator

CLEAR Clears the Z-100 screen

COLOR Set screen colors from MS-DOS

```

=====
VOL#  NAME      /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)
=====

```

```

CRSAVER      Turns off the CRT during inactivity
HEXCONV      Converts files to/fm Hex format
INTERLAC     Enters interlace mode, but not use
INTRLACE     Demonstrates and uses interlace mode
PASSWORD     Boot-up password device driver
PORTCONF     Displays port configuration
RAMDISK      Modified vers of ZDS MDISK
READ         Page thru a text file
RESMON       Resident program to exit endless loops
RM           MSDOS file removal util
SCRNCLCK     Resident program to display a clock
SETERM       Z-100 display setup
SHELLX       Reloads COMMAND.COM from RAMDRIVE
SWITCHAR     Switches DOS switch char
TOUCH        Updates time a file was last mod.
YESNO        Batch file yes/no query
Z100ASM      Z-100 assembly macros & procedures
Z100DEF      Z-100 assembly defs include file
ZERA         MSDOS File erase utility
ZTERM        Demo terminal program
ZVTREE       Displays directory tree
STETSON.ZIP  /A Z      v1.4 (C)87 John F. Stetson
All .ASM files have corresponding .COM file
ASMCOM.BAT   Sample batch file to assemble pgms
BEEP         Generate a beep
BOOT         Reboot the OS
CMD          COMMAND.COM as a child process
CPU          Determine speed of CPU
CRLF         Send CR and LF to console
DATETIME     Display system day, date & time
FF           Send a form feed char to the printer
LOCK         Password protection scheme
LOGON        Bookkeeping utility - system on
LOGOFF       Bookkeeping utility - system off
MODEM        Dumb terminal modem program
NATIVE       Reboot w/o device drivers
NORMAL       Restore normal system operation
PASSWORD     Password protection scheme
SPEEDUP      Console speed up utility
WAIT         Conditional pause for batch files
ZFASTIO.ZIP  /A Z      (C)85 Pat Swayne, HUG
FASTIO       Bypasses MSDOS system I/O calls
SETFAST      Sets FASTIO parameters

```

```

#607  Heath EC-1202  /Z      (C)84 Heath Co.
Macro-86 Programming Course data disk
w/several useful programming examples

```

```

#630 SERIES:      BASIC LANGUAGE:
=====

```

```

#630  BASIC Games
ANIMAL      /B Z      (C)82 B. Eiben
Animal guessing game
BACKGAMN v0.6  /B Z      (C)85 N. Gildersleeve
Backgammon game
BATTLESHIP v2.03.83 /B Z      (C)83 Gerry Kabelman
Sea battle game
BLACK        /B Z
Blackjack game.
BLOCKADE     /B Z      (C)83 B. Couchey &
C. Cleveland
Blockade game
CRAPS        /B Z
Popular Dice game
ELIZA        /B Z
Psychoanalysis program

```

```

=====
VOL#  NAME      /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)
=====

```

```

FOOTBALL v2.07  /B Z      (C)83 Rick Johnson & others
Football simulation
HANGMAN v1.03.82 /B Z      (C)82 Gerry Kabelman
Word game
HANOI         /B Z      (C)82 William C. Surney
Tower of Hanoi Logic game
HUGDICE v3.11.83 /B Z      (C)83 Gerry Kabelman
Yahtzee clone
INFERNO       /B Z
Save the jumpers from the fire!
ISOLATE       /B Z      (C)82 Unknown author
Isolator game, like Othello
JETSET        /B Z      (C)81 Jean Szymanski
747 flight simulator
LANES v1.11   /B Z      (C)83 Dale Wilson
Star Lanes game
MADLIB        /B Z      (C)83 Davis Ahl
Make up a story
NIM v01.13.83 /B Z      (C)83 R. Musgrave &
G. Kabelman
Eliminate the robots
OTHELLO v02.07.83 /B Z      (C)83 R. Musgrave &
G. Kabelman
Popular board game
OTHELLO1      /B Z
PACMAN        /B Z      (C)84 Jim Knutson
PacMan arcade game
PLANET v1.0   /B Z      (C)84 D.J. Sandell
Fire missiles to a target
QUBIC v1.31.83 /B Z      (C)83 Sam Cox
3D Tic-Tac-Toe
RATS          /B Z      (C)89 Unknown author
Rats in 3-D maze
SLOTS v02.07.83 /B Z      (C)83 R. Musgrave &
G. Kabelman
Slot Machine game

```

```

#631  BASIC Games      (Z100LL #8)
ACEYDUCY V2.1  /B Z      (C)76 John Covington
Popular board game
CHASSE         /B Z      (C) Thierry Klein
Shoot the flying bird
COURSE         /B Z      (C) Thierry Klein
Formula 1 racing
DECISION       /B Z      (C) W.A. Burton
Executive decision maker routine
DOGSTAR        /B Z      (C) Lance Micklus
Adventure game
DOWN           /B Z      (C) William J. Velten
Down and Out
FORTUNE        /B Z      (C)85 Phil Katz
Wheel of Fortune game
GOUTTE         /B Z      (C) Thierry Klein
Try to catch the drop
MASTER         /B Z      (C) William J. Velten
Mastermind (guess the colors)
MENU           /B Z
Menu for BASIC programs
MISLCOM        /B Z      (C) Douglas Bray @ Clarkson
Anti-Ballistic Missile game
NUMBERS        /B Z      (C)90 Frank Markovich
Numbers challenge
OBSTACLE       /B Z      (C)78 Tom Rugg &
Phil Feldman
(no instructions or evident purpose)
SERPENT        /B Z      (C) Thierry Klein
Guide the snake
SIMON          /B Z
Simon says game

```

~~~~~  
**VOL# NAME /SA SYS AUTHOR**  
**DESCRIPTION (ADDL INFO, REFERENCES)**  
 ~~~~~

SOLITAIR /B Z
 Klondike solitaire
 SPACEFLY /B Z
 Avoid the asteroids
 SUPRTREK /B Z
 Star Trek game
 SURROUND /B Z (C)82 Keith Vennel
 Surround your opponent
 TANKS /B Z
 Shootemup strategy
 TICTAC v12.30.82 /B Z (C)82 Daniel Schlichtig
 Tic-Tac-Toe for 2 persons
 WORM /B Z (C) Jan Wolter
 Guide the worm
 WUMPUS /B Z
 Cave adventure

#632 GW-BASIC /B Z (C) Various authors

BASIC Programs, utilities, and Graphics
 BASGRAFX.ZIP GW-BASIC graphics pgms & files
 ASTRO Spacescape & moving spacecraft
 BASGRAFX Documentation
 BIGCHAR Creates big chars on the screen
 BUNNY Playboy bunny
 CCTLOGO Clarkson College logo
 CHECKBRD An interesting effect on checkbd
 CLRBARS Z-100 8 color bars
 COLOR36 Displays 36 colors using dithering
 COLORS 36 colors using H-19 backgrd char
 DRINK Draws a cocktail
 FERN Fractal fern generator
 FUNCT4 Plots Sin, Cos, Tan, ArcTan funcs
 GENPLOT 3D figure generator
 GLOBE Rotating 3D globe
 GRAFDEMO Z-100 graphics demo
 HALLEY Planetary motion demo pgm
 LOVE Prints love message on poster
 LUST Prints lust message on poster
 MOIRE Pixelized displays
 PACDEMO Animated Pacman display
 PACPLAY Move around on Pacman display
 PUMPKIN Halloween pumpkin
 PUNT Prints Snoopy PUNT poster
 QIX Qix moving line demo
 QIXDEMO Qix moving line demo
 SINENAME Print 3 words on sine wave
 SPIRAL Draws spirals
 SQRSPRL Draws spirals with a square
 STRART String art program
 SYMMETRY Draws symmetric patterns
 XWING Draws top view of X-Wing Fighter
 BASUTIL.ZIP:
 BASCONV Number base conversion pgm
 BASES Number base conversion pgm
 BITMAP Bitmap editor
 BNCHMRK1 BASIC speed & numeric precision
 FILTER Filters parity & control codes
 GWBASMOD GW-BASIC V2 patch
 INTEREST Interest amortization program
 MAILMGR Mailing list & label maker
 MEMBER Small organization membership pgm
 MENU BASIC menu program
 MINITERM Terminal Emulator
 NUMBERS Math educational pgm
 PERMUTE Gives permutations of letters in words

~~~~~  
**VOL# NAME /SA SYS AUTHOR**  
**DESCRIPTION (ADDL INFO, REFERENCES)**  
 ~~~~~

PRIMES Calcs prime numbers
 RADIX Converts #s between two radix
 TYPETUTR Typing tutor program
 X8OTO86 8080 code to 8086 code
 X8OTOZ80 8080 code to Z80 code
 ZMORSE Morse code simulator.
 ZTEK Tektronix 4010 terminal emulator
 QUIKDRAW.ZIP: /B Z (C)87 David Gubbins (Gern)
 QUIKDRAW Drawing program
 ISLAND.GRN Graphics file
 PRINCESS.GRN
 ZWING.GRN
 ZARTIST.ZIP: /B Z (C)90 Mark Mangerson
 Z-ARTIST.BAS Drawing program
 Z-ARTIST.DOC Documentation
 LOGO .BLU, .RED, & .GRN Graphics screens
 USA .BLU, .RED, & .GRN Graphics screens

#633 GW-BASIC BBS /B Z (C) Various authors

Z100RBBS.BAS Main program, v1983
 ZRBBS.BAS Vs 2.0
 Z100RBBS.DOC User Documentation
 WELCOME Sign-on greetings
 MENU Master menu
 USERLOG Tracks signed-on user names
 CALLS Tracks number of callers
 Z_DOWN Lib of programs for downloading
 Z_UPLD Lib of programs uploaded by users
 BBSINVEN.BAS BASIC pgm to update Z_DOWN file
 BBSUPLD.BAS BASIC pgm to update ZUPLD file
 ERRORS Error trapping file
 BBSDATA List of other BBS's available
 A_MSGS Bulletin board message files
 G_MSGS I_MSGS X_MSGS Z_MSGS
 A_NEXT G_NEXT I_NEXT X_NEXT
 Z_NEXT A_TITLES I_TITLES Z_TITLES
 DRIVE_C GENMESS LOGDATA

#634 CodeWorks, 1986,87,88 /B G

GW-BASIC Programs (C)Various authors
 The programs for 1986 included:
 Program: Issue: Description:
 ADD #7 Addition program works w/DRILL.BAS
 ADUMP #6 An ASCII memory dump program
 BUSMOD #5 A business "what if" model
 CAL #2 Perpetual (almost) calendar maker
 CHECK #4 CARD.BAS adapted to keep checks
 CONV #5 Convert DATA to/fm sequential file
 DIV #7 Division pgm that works w/DRILL.BAS
 DRILL #7 Collection of Instructor drill pgms
 DSTAT #6 A descriptive statistics program
 EXTR #1 Extracts program lines for later use
 FMAKER #7 A gen purpose sequential file maker
 HALLEY #2 Plotted the positn of Halley's Comet
 MADADA #7 Mental addtn pgm, works w/DRILL.BAS
 MADAS #8 Mental Add/Sub pgm, works w/DRILL
 MAKER #1 Makes DATA statements the easy way
 MATH #4 Math formulas on screen that change
 MGSORT #5 Merge/Sort files too big for RAM
 MULT #7 Multiplication program, works w/DRILL
 MUMP #7 A DOS HEX dump program. Dumps up to 640K
 MURRAY #3 Programs to improve calculating accuracy
 NETWORK #6 Buy/Sell stock game (to 4 players)
 NFL86 #7 An NFL football projection pgm
 NFLSTAT #7 Maintains NFL stats for NFL86

~~~~~  
**VOL# NAME /SA SYS AUTHOR**  
**DESCRIPTION (ADDL INFO, REFERENCES)**  
 ~~~~~

NORRIS	#2&4	File conversion routines
PLIST	#6	A neat page-listing utility pgm
PLOT	#1	Prints histograms over 3 periods
PRECOMP	#4	BASIC pre-compiler w/labels
PROG1	#4	Sequential file tutorial demo pgm
PROG2	#4	Sequential file tutorial demo pgm
RANDEMO	#6	A random file tutorial demo pgm
RANDEMO2	#7	A random file tutorial demo pgm
SEARCH	#1	Find selected variables in target
SPELL	#7	Spelling pgm that works w/DRILL.BAS
SUB	#7	Subtraction pgm that works w/DRILL
UPDATE	#7	Updates spelling for DRILL.BAS
VXREF	#5	A BASIC cross reference pgm
WOOD	#3	Best fit pgm for cutting plywood
WRITER	#1	Writing Analyzer (for 80 cols)

The programs for 1987 included:

Program:	Issue:	Description:
ADDRESSR	#11	Multipurpose addressing pgm
AMORT	#12	Loan Amortization table pgm
BBASIC3	#10	BASIC graphs pgm
CARD1	#12	CARD.BAS updated with changes
CROSSLEY	#12	Short addressing pgm
DAY	#13	Calculates day of the week
DAYDATE	#13	Calcs day of week/days between dates
DCHECK	#13	Data checker pgm
DIFF	#11	Finds differences between pgms
FRACT	#12	Makes fractions from decimals
GRAPH2	#11	Puts more than one graph on screen
INDEX	#13	Demo indexing pgm; see RANDEMO5
IRA	#11	Compute how your IRA grows
KEYCODE	#11	Finds what code your keys return
LEAP	#13	Finds if a year is a leap year
LOTTO	#10	Finds winners in LOTTO, fast
MCARD	#8	Used with mini-card-data system
MENUMAKE	#13	Program that makes menu pgms
NAMES	#12	Program to switch first/last names
NFL87	#13	NFL prediction program 1987-88
PAGES	#12	Figures how pages work together
PIPE	#12	Calculates scales of organ pipes
POINT	#10	Demos using pointers to strings
POKER	#8	5 player, open on any pair, draw poker
POKER7	#9	7 player, jacks or better, draw poker
QKEY	#10	Quick search, relational data-base
QTEXT	#9	A BASIC editor text editor pgm
RANDEMO5	#12	Random file database series
RANINDEX	#13	Indexing program for RANDEMO5
RENUM	#9	A BASIC renumber pgm
RETIRE	#11	Calculates retirement income
STACK	#10	RANDEMO5 demo pgm
SCREEN	#11	RANDEMO5 demo pgm
SMART	#9	Learns to play Tic-Tac-Toe
SPEED	#12	Checks your subliminal vision
TICKET	#13	Makes short-run tickets to events
TYPER	#12	Exercise printer, use as ltr writer

The programs for 1988 included:

Program:	Issue:	Description:
BIO	#17	A personal biorhythm plotting pgm
BROKER	#16	An investment simulation pgm
CORREL	#19	A correlation program with lead/lag
CURSOR1	#17	Direct cursor positioning pgm 1
CURSOR2	#17	Direct cursor positioning pgm 2
CURSOR3	#17	Direct cursor positioning pgm 3
DMAKER	#17	A decision making/helper pgm
EASYDATE	#17	A standardized date input routine

~~~~~  
**VOL# NAME /SA SYS AUTHOR**  
**DESCRIPTION (ADDL INFO, REFERENCES)**  
 ~~~~~

ECAL	#14	An event calendar making pgm
ETAX88	#17	An estimated income tax pgm
LEDGER	#15	An 11-column expense ledger pgm
LINK	#18	Demo program for OUTLINE.BAS
LIST	#18	Demo program for OUTLINE.BAS
LPICK	#15	Picks Lotto numbers
LSTAT	#16	A lotto winner statistics pgm
MEDIATOR	#18	A dispute mediator program
NFL88	#19	NFL 1988-89 prediction pgm
OUTLINE2	#19	Demo program for OUTLINE.BAS pgm
PUMP	#16	A hydraulic pump simulation pgm
RANDEMO5	#14	RANDEMO add/edit/delete pgm vs5
RANDEMO7	#15	RANDEMO add/edit/delete pgm vs7
RANDIST	#15	Distrib of random number generator
RANIDX	#18	Sort for RANDEMO series- MSDOS
RANINDEX	#13	Sort for RANDEMO Tandy I/III DOS
RANPRINT	#14	Print format for RANDEMO series
RANPRNT2	#19	Column totals for RANPRINT.BAS
REPL	#15	An improved Search/Replace Util
SLOT	#14	A slot machine simulation program
STAT88	#19	Stats keeping program for NFL88.BAS

#635 CodeWorks, 1989,90 /B G
 GW-BASIC Programs Various authors

The programs for 1989 included:

Program:	Issue:	Description:
ADDBOOK	#25	Address book uses CARD.DAT files
ANIMAL	#25	An AI demo program
BEG23	#23	Find where strings are in memory
BUDGET	#22	A home budget program
CWORD	#20	A state & capitol matching game
DRILL	#25	Pgm to make/use any type drills
ERRMSG	#20	An aid to explain BASIC error msgs
EXPERT4	#25	A demo program for artificial intel
FILEUTIL	#21	A group of file converting utils
FLOW	#22	A GOTO-GOSUB reference utility
FRAME	#21	Calculates material & cost of bldgs
INSORT1	#22	A sort on input demo program
INSORT2	#22	Another sort on input demo pgm
INVOICE	#23	A customer/invoice writing pgm
MATRIX	#23	Performs matrix manipulations
NFL89	#25	Football prediction pgm for 89-90
PAY2	#22	Improved payroll pgm, update PAY.BAS
PLAYOFF	#20	Predict football playoff games
RANDEMO7	#20	Last version of RANDEMO series
RANDUPE	#24	Shows how to prevent dupes
RANIDX2	#20	Last version of random indexing
RANINDEX	#20	Alternate vers of random indexing
RANPRNT2	#20	Last vers of random file printing
RCARD1	#24	Three improvements to RCARD.BAS
SPLIT	#20	How to split sequential files
STAT89	#25	Keeps stats for NFL89.BAS
TRACKER	#24	Keeps records for Mutual Funds
TRUST	#21	Keeps records of payment books
TWOLEVEL	#22	A two-level sorting demo pgm
WLC	#25	A word, line, char count pgm

The programs for 1990 included:

(The 1990 disk also has some QuickBASIC routines)

Program:	Issue:	Description:
AREAVOL	#28	Calculates area/volume; direct input
BPI	#29	Brain Preference Indicator Psyc Test
CARD2	#26	An improved version of CARD.BAS
CARDCONV	#25	Converts old CARD.DAT for CARD2.BAS
CHAOS	#27	Puts points randomly on the screen


```

VOL#  NAME      /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)

```

```

CHEC      #28      Totals expenditures; uses CARD2 data
CHOICE    #26      Probability program w/# of possibilities
CKRITE    #26      Changes #s into words for checks
CONVT     #27      Changes CARD.DAT to random file
CTEST     #26      Poke 78 Color Test
EPSON1    #27      Printer Command Program for Epson
EZBASE    #30      Address database program
FLASHCRD  #29      German - English translator
GREET     #29      A sign-on greeting program w/reminders
LOANCOMP  #27      A loan compare program
MENU      #28      Menu for payroll & cash accting pgms
NFL90     #30      Football prediction program for 1990-91
NUMO      #27      Numerology program based upon day's date
PAYROLL   #28      Another payroll program
POST      #28      Record registry tapes; uses MENU.BAS
PROGEST   #26      Program job estimator program
QBCHEC    #28      QBASIC vers of CHEC.BAS
QBEPSON   #27      QBASIC vers of Epson printer ctrl pgm
QBMENU    #28      QBASIC vers of MENU.BAS
SHELL     #26      A SHELL sort demo
STAT90    #30      Keeps stats for NFL90.BAS

```

```

#636  NOHUG Disk #1 /B Z (C)Various authors
      BASIC Programs & Graphics

```

```

ARCHERY   Hit the target
BBALL     Bouncing ball
BD        Demo man jumping
BDO       Demo pset, preset, point, etc
C-BURST   Color burst pattern
C-PLOT    Color plot
CIRCLE-P  Generate a circle
COLORPAT  Color pattern - screen test
COLORS    Color combinations
CRTDUMP   Graphics generator
CURS-POS  Cursor position rpt
CYLINDER  Display
DEMO-3    Chains to ROOM.BAS
DINOSAUR  Chains to BBALL.BAS
EATUP     Heath gobbles IBM
HAMSHOW   Radio waves house to house
HAT       Plots a stetson hat
HATC      Calls up hat.pic
JOCK      Child's game
KR-DEMO   Self running demo
LC        Line circle
LOOM      Create screen loom pattern
MAN       Man walking demo
MAZE     Draws a maze
MENUPLT   3d plot
MICHIGAN  Draws the state of ""
MIXCOL    Color combinations
MODUL     Modulation graph
MSPACY2   MSpacman eats up
P-PLOT    Plots a circle
PAINT     Display
PLOT01    Create & store picture
PORK-P-C  Loads 3d picture
PORK-PIE  Draws graphic picture
QPLOT     Plot X-Y lines
QUERY     Draws a face
ROAD      View road
ROTATE    Rotating line in a circle
ROW-COL   Draws a grid
S-BOAT    Chains to S-STRIPES.BAS
S-STRIFE  Creates flag
SBOAT     Chains to TRAIN.BAS

```

```

VOL#  NAME      /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)

```

```

SCREEN     Draws pattern
SLINKY     Square
SOL        Earth & Moon orbits Sun
SPHERE     Rotate w/hidden lines
SPIDER     Uses line function
SQUIRAL    Plot a spiral w/line
STAR       Generate stars
STEREO     See in double
STETSON    Draws a hat
THREE-D    Plots to printer & disk
TPOLES     Chains to hat
TRAIN      Chains to TPOLES
TRI-PLOT   Plots 3 ways
WATCHOUT   Game!

      Other Graphics Files:
DIAMOND    EASY      EXACT      FAN
FLAG       GEODESIC   HELIX      K-SCOPE
KALIED     KALIEDOS   PATTERN    ROOM
RUNNER     TRUCK      TUNNEL     WAGONS
WAND       ZIGGY2     GRAPH01    GRAPH02
GRAPH03    GRAPH04    GRAPH04A   GRAPH05
GRAPH06    GRAPH08    GRAPH09    GRAPH09A
GRAPH10A   GRAPH10B   GRAPH10C   GRAPH10D
GRAPH10E   GRAPH10F   GRAPH10G

```

```

#637  NOHUG Disk #2 /B Z (C)Various authors
      BASIC Programs and Graphics

```

```

ACRS       Depreciation (acrs) program
ACT-MEM    Find/display active memory
ASCII-VAL  Produces ASCII value from key pad
AUTITLE    Places a title on a basic program
AUTOBOOT   Redefines 'F' keys & runs file sort
B-MARK-1   Square root program
B-MARK-2   Cosine
B-MARK-3   Square root
B-MARK11   Test accuracy, randomness, & speed
BASICA     Create AUTOEXEC.BAT file
BIORYTHM   Calc & plot a biorhythm chart
CLOCKCAL   Clock & calendar on screen
CONFIRM    Checks for file's latest date/time
CROS-REF   Basic cross ref generator
D-BASE     Data base BASIC program
DAY-WEEK   Enter date - get back day
DBL-TRIG   Double precision trig calc
DRIVER     Printer driver
DSK-BASE   Spins disk drive for cleaning
DSKCLEAN   Expanded disk DIR program
EFORMAT    Plot an ellipse - MATH
ELLIPSE    Sort disk directory
FIL-PEEK   Present value of load
FILESORT   Font editor, DOS vs1.2x
FINANCE    Function generator - MATH
FONT-ED    Track car's expenses - not done
FUNCTION    Play a game of golf - GAME
GAS        Growth rate
GOLF       Screen dump for Prism printer
GR-RATE    Sort via char/num string
GRUMP      The computer guesses a #
HEAPSORT   Bazerer's crypto-system
HOUDINI    Investment counselor
INDECODE   Reset function keys
INVEST     Compute di-pole HAM ant. length
KP         Teach computer about...
L-DIPOLE   Lunar excursion GAME
LEARNING
LEM

```

VOL#	NAME	/SA SYS	AUTHOR
	LISTER		Dumps a file to printer
	LOAN		Compute facts about a loan
	MAGIC-SQ		
	MEM-DUMP		Memory dump in basic
	MORTGAGE		Payment calculator
	NUMBERS		Number game for the kids
	ODD-SQRE		MATH
	OHMS-LAW		HAM electronics
	PLANETS		Determine planet's coordinance
	POLYMAZE		Draws & solves polygon mazes
	PRECISE		Calculates square roots, sine, arctan, tangent, etc., but most is MISSING!
	PRIME-NO		Calculate prime numbers
	PRNTMAZE		Generic maze generator
	PRORITER		C.ltoh Prowriter Screen Dump
	PRTFOLIO		Stock program
	PYRAMID		Pyramid of 'Z'
	Q-GRAPH		Plot 3 lines - MATH
	ROM-LOOK		
	ROM-REL		ROM release marker
	RPN-CALC		Reverse Polish notation calc (MATH)
	RUN		ZBASIC work file initialization pgm
	SIDERAL		Sidereal clock program
	SIMPMAZE		Generic maze generator
	SINCURVE		Plot sine curve - quick
	SINE		Plot sine wave
	SINEPLOT		Plot sine curve
	SIZE-AR		Calc min array dimension
	SOFTKEY		Redefines your 'F' keys
	SORTDEMO		Explains sort methods
	SPIFFY		Make Computer a calculator
	SUB-FUNC		Subroutines and functions
	SWAT-PC		
	SWR		Calculate SWR - HAM
	TRAITS		Personality test
	TTY		Program from ZBASIC book
	TXT-SAMP		Readability index
	VECTORS		Colorful circles - MATH
	WAIT		Reads clock for wait timing loop
	WCHILL		
	WCHILL-2		Compute wind chill heat loss pgms
	WEEKDAY		Gives facts about day of interest
	WINCHILL		Prints a wind chill chart on printer
	WORD-CNT		Counts # words in ASCII file
	WORD-PRC		Microtext word processor
	XREF		Cross ref - for basic files
	YAGI		Antenna design program
#638	NOHUG Disk #3	/B Z	(C)Various authors
	BASIC Programs and Graphics		
	B-BLOCKS		BlockBuster Game, PC-World Mag
	B-FRIDAY		Black Friday stock market Game
	BROADWAY		Broadway Show Simulation Game
	BUDGET		Records income and expenses
	CAL-PRT		Calendar program
	CALENDAR		Calendar program
	CHECKING		Checking program
	CHK-BAL		Personal check balancing pgms
	CIPHER		Encode/Decode program
	CLOCK		Sidereal time clock w/Lat/Long
	COMBROKR		Finance system using daily prices
	CONC		Removes spaces & remarks from files
	CONV-TAB		Metric/U.S. Standards Conversion pgm
	COVER-UP		Prints text w/o screen display
	DATEBOOK		Enter 9 items under any date
	DAY-DATE		Calculates # of days between dates

VOL#	NAME	/SA SYS	AUTHOR
	DIET-PRO		Nutritional advisor program
	DISK-LBL		Filesort printing program
	DISKINIT		Set default drive
	DX-CLOCK		Sidereal time clock for any Lat/Long
	EXPLODE		Graphical explosion demo
	FLAIR		Graphical display
	FRENCH-F		The Quiz Master on French foods
	LONG-DIV		Math exerciser
	LOOK-SEE		See RAM bytes using PEEK
	MAIL-LST		Address database & label maker
	MEM-PEEK		Displays RAM segment
	MENU		Z-100 Menu program
	MOD-ART		Draws color pattern on screen
	NUM-BASE		Decimal, Octal, Binary Conv
	ORG-CHRT		Create/revise/print organization chart
	PADDLE-G		Bouncing ball game
	PALETTE		Different version of MOD-ART?
	PFINIT		Checking Acct database program?
	PIC-CONS		Builds pixs from component parts?
	PLOTTER		Draws graphics on the screen
	PORT-FOL		Stock Portfolio program
	PRINT-MX		Graphics Demo
	PRISM-DR		Driver for Prism printer?
	QUIZ-MAS		The Quiz Master - ready for data
	RASBERRY		Gives a raspberry sound
	REBOOT		Causes a power-on reboot
	RELAAX		Relaxation Program?
	RNDCLOCK		ScreenClock w/moving hands
	SHOWCASE		Graphics demo
	STATES-C		The Quiz Master - States & Capitals
	THOUGHT		Thoughts for day - uses MENU.BAS
	TRI-PLOT		Cartesian, Polar or 3-D function plots
	W-SEARCH		Create Word puzzles
	XMAS		# of shopping days to Christmas
	Z-BASE		Database program
	Z-CHECK		Checkbook Master
	Plus X-Y plotting pgms, given PSI, PHI, & THETA:		
	GLOBPLOT	LACEPLOT	MOBIUS
	Plus routines to print colors on color printer:		
	BROWN	GREEN	ORANGE VIOLET
	Plus Benchmark Pgms from Popular Computing, 4/82:		
	B-MARK-4	B-MARK-5	B-MARK-6 B-MARK-7
	B-MARK-8	B-MARK-9	B-MARK10
#639	NOHUG Disk #4	/B Z	(C)Various authors
	BASIC Programs and Graphics		
	747SIM		747 Simulator pgm
	BASDEBUG		Look at .COM files
	BUFFON'S		Simulation of Buffon's Needle Prob
	CDECK2		CDECK Demo Vs1.3
	CHAR-SET		Display ASCII chars
	CHECKBAL		Checkbook balancer
	DECISION		Decision analysis by weighted scores
	DOWCON		ZBASIC COMPUSERVE protocol stripper
	DUPE-LOG		Logs Callsigns; duplicate checker
	EPI-TEST		
	EPICYC		Graphs Epicloids
	FASTMATH		Math drill program
	FILER		File Manager-sort, merge, search uses:
	BIN85	FILMERGE	LABELER MAKERAN
	R-PRINT	R-SMSORT	R-TO-S RANTEST
	S-TO-R		
	GEOSYNCH		Geosynchronous Satellite Locator
	HANDICAP		Golf Handicapper
	HEXGEN		HEX to COM/EXE to HEX util

~~~~~  
**VOL# NAME /SA SYS AUTHOR**  
**DESCRIPTION (ADDL INFO, REFERENCES)**  
 ~~~~~

HYPOCYC &
 HYPOTEST Graph Hypocycloids
 ILLUSION Optical illusion
 JUSTIFY &
 JUSTIFY2 Right justifies printer output
 LABELPRT Label printer
 MAKEDATA COM file to BAS file
 MAKESEQ Mailing list
 MULTIPLY Multiplication tables
 NUM-CONV Converts #s between bases (2-36)
 NUMTRICK Number trick
 OKIDUMP Oki 92 Screen Dump
 PGDEMO Video Paging Demo
 PRDATA Prints records w/absolute posit
 PRISMDMP IDS Prism screen dump
 SAT-LOC Geosynchronous Satellite Locator
 SCRNICAL Screen Calendar
 SCROLL Pseudo-scroll example
 SOLIT &
 SOLIT2 Klondike Solitaire
 STARSHOT Shooting Stars Game
 TEST-PRT Prints labels
 THREED Display/rotate 3D objects
 WRITECOM Makes .COM file from .BAS data file

Plus Graphical Demos:

FLOWERS	MODERN-A	ROCKETS	ROTOSTAR
SIERPIN	SKYLINE	SPH-GRPH	TEASER

#640 NOHUG Disk #5 & #8 /B Z (C)Various authors
 BASIC Programs and Graphics

CAL-MGR Menu module for calendar pgms:
 APPT-CAL Appointment Calendar
 SCRN-CAL On-Screen Calendar
 WALL-CAL Wall Calendar
 YEAR-CAL Year's Calendar

CENTERED Program centers text on each line
 DATAGRAF 12 Mos period Bar graph
 DETECTOR Gives BASIC files' attributes
 DIRECTORY Personal phone directory database;
 FILE-IT Filing & Info Retrieval Database
 FORMULAS Electronic Formulas Calculator pgm
 GUNNERY Graphics game program
 HEX-CALC Hex Table
 INPUTTER Input reports data of specific length
 LETERITR Letter Writer program
 LETTER Text processor program
 MAKERAN Random Access File utility
 MEMOBASE Small database program
 OVERTIME Track overtime - any rate
 PERS-INV Personal Inventory file pgm
 POLYPLOT Graphics plotting program
 PR-STAT Status of LPT port lines;
 Orig for PC, doesn't work

RESONANT Calculates circuit resonance; V1.1
 SOUNDEX Soundex Telephone Asst -dir file mgr
 T-SECRET Top Secret diagnostic utility
 TRACK Logs times that TRACK is run; Uses:
 CR Enters a carriage return
 LOG TRACK LOG: by time/date/name
 TMP1 Current time entry
 TMP2 Current Date entry
 TMP3 Logging... entry

VOLCANO Graphics simulation of Mt. St. Helens
 ZIPCHECK Checks for valid ZIP codes

~~~~~  
**VOL# NAME /SA SYS AUTHOR**  
**DESCRIPTION (ADDL INFO, REFERENCES)**  
 ~~~~~

Plus the following graphics demo programs:
 ANA-STIK BLK-HOLE HEADBAND HORN
 PATCHWRK ROTACUBE STIK WALKING

#641 GRAPHICS.BAS /B Z (C)85 J.R. Rehage
 ZBASIC v1.0 Graphics Program

#642 ZBASIC v1.0 Pgms /B Z Authors unknown

SOMINOE.BAS Play with pentominoes.
 3BY2ORCT.PNT A 3x20 rectangle created w/SOMINOE
 SIMPMAZE.BAS
 SIMPMAZE.EXE Create random and very large mazes
 FRACTALS Creates fractal 'DRAGONS'.
 CHARGE Shoot positron into field of ions.
 DOWNOUT A little known game of chance.
 MONITOR Monitor test patterns.
 TRI An impossible graphic triangle.
 MSTRMIND MasterMind game.
 PUREGA Manage a 200 seat restaurant.
 SET Set key click, cursor, etc.
 SIMON4 "Follow the lights" game.
 SIMON6 Like SIMON4, but w/6 panels.
 STAR Shoot a field of stars.
 TAU A Chinese symbol.
 PAINTER.BAS
 PAINTER.EXE Homebrew graphics editor.
 TRAVESTY.BAS
 TRAVESTY.EXE Travesty document generator.
 ZPONG.BAS
 ZPONG.EXE BREAKOUT game.
 CELIST.BAS
 CELIST.EXE Creates word lists for WordFind.
 WORDFIND.BAS
 WORDFIND.EXE Makes WordFind puzzles from lists.
 SUPRLIFE.BAS
 SUPRLIFE.EXE Game of Life.
 TITLE.BAS Creates titles for your programs.
 SCIENTIF.CHR Scientific replacement char set.
 DANCHR.CHR Replacement character set.

#643 BASIC Graphics /B Z Authors unknown

BARChart	CAT1	CAT2	CAT3
CONE	CTRANS	CYL1	CYL2
DESIGNER	DPROT	DTRANS	ETRANS
FTRANS	GTRANS	HIDDENL1	HIDDENL2
INTERACT	INTER1	INTER2	L1
L2	L3	LARC1	LARC2
LCIRCL	LROT	LTRANS	LWINDOW
MOTION1	MOTION2	NH3	P1
P2	P3	P4	P5
P6	PARC	PBLOCK1	PBLOCK2
PDISK1	PDISK2	PDISK3	PELLIPSE
PERSPECT	PISTON	PLINE	POLY
PROT	PSHAPE	PWINDOW	QUAD1
QUAD2	RANGLE1	RANGLE2	SATURN
SCALE	SHADING1	SHOOTER	SROT
STRETCH	SWINDOW	TANGLE	TWINDOW
WINDOW	XRROT	YROT	

#644 BASICA Grafx /B I Authors unknown

ANOVA	BACKGAMN	BAYES	BBALL
BINOMIAL	BUSMENU	CHISQR	CORRELAT
DATA-ONE	EPIMRG	EPISTAT	FILETRAN
FINMENU	FISHERS	FLAG	FLASHCRD
FOOTBALL	FORTTRANS	GAMEMENU	GARFIELD
GOLF	GRAPHMEN	HANGMAN	HISTOGRM

```

VOL#   NAME           /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)

```

```

LNREGRES   MAINMENU   MAZE      MCNEMAR
MHCHIMLT   MHCHISQR   MINICALC  NORMAL
PIECHART   POISSON    RANDOMIZ  RANKTEST
RATEADJ    SAMPLSIZ  SCATRGRM  SELECT
STATES     ST-MINE    SW-PEGS   T-TEST
TWENTY-1   XTAB

```

#645 ZBASIC CAD Demo

```

CADDEMO.BAS /B Z Author unknown
Sales pitch from Northwest Data Corp.

```

#646 GWBASIC Grafx /B I Authors unknown

```

BANNER.BAS TABLET.BAS ETCH22.EXE PCPG.EXE
HDRAW.BAS  MDRAW.BAS  3-D.EXE    SHOW.EXE

```

#647 ASIC "BASIC" Language Compiler

```

ASIC v1.0 /I (C)89 David Visti
"BASIC" language compiler

```

#650 SERIES: 'C' LANGUAGE:

```

#650 TURBO-Z 'C' /$ Z (C) Keith Greer
TURBO-Z 'C' Lib #1 Z-100 Turbo 'C'

```

#651 Small 'C' Compiler

```

'C' Compiler v2.1 /Z (C) Jim Hendrix
A complete Z-100 'C' compiler; Small C Handbook

```

#652 'C' Games & Utilities

```

BANNER /C Z
Makes a variable height banner
C_LIB /C Z (C) Robert M. Dodds
Toolworks 'C' Mouse Call Lib
FGREP /C Z (C)84 Geoff Whale
Similar to UNIX version - searches for a string
FLIPSCRN /C Z (C)86 William N. Locke
Demo of video memory page flipping
KS /C Z (C)84 J. Littlefield &
Klondike Solitaire card game (C) J. Steeger
LIB /Z (C)84 J. Littlefield &
Graphics lib (for DeSmet 'C') (C) J. Steeger
LIFE /C Z (C)87 H.L.Conway (TPASCAL)
Game of LIFE (C) Greg Elder (C version)
MOUSE /C Z (C) R.M. Dodds, Paul Herman
Microsoft 'C' Mouse Call Lib
TAIL /C Z
Display last part of file
TICTACK /C Z (C)79 Leon Solman
TicTacToe game
WC /C Z
Counts line, words, or paragraphs in a file
ZTC15.TXT /Z (C)88 Bruce Stock
Routines for using Turbo C
Z44TEXT /C Z (C)88 James R. Van Zandt
Displays 44 lines on the screen, using interlace mode

```

#653 UNIX Library and Shells

```

UNIXLIB /C Z (C)90 Jim Knudson
UNIX Funcs for C1-C86 Compiler
UNIXSHL1 v1.3 /C Z (C)85 Kent Williams
Unix Shell for Aztec C
UNIXSHL2 /C Z (C)85 Douglas Orr
Unix Shell for Microsoft C

```

```

VOL#   NAME           /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)

```

#660 SERIES: PASCAL LANGUAGE:

```

#660 Turbo-Z Pascal /$ Z (C)Keith Greer
Z-100 Turbo Pascal Library Vs 5.1 (Z100LL #3)
(Reqs Borland's Turbo Pascal 6.0 on the Z-100)

```

#661 TurboPascal 3 (C)88 Gernware Enterprises

```

Z-100 Turbo Pascal V3 Graphics & Support
CRASH.PAS /P Z Demos video flash bits
GRPHDEMO.PAS /P Z Demo pgm
GRAPHTP.ASM /A Z Creates GRAPHTP.BIN
H.CALC.PAS /P Z Powerful Calculator
*.INC /P Z Plus 64 Pascal procedures

```

#662 Turbo Pascal Games & Mouse Call Library

```

DCODE /P G (C)Keith Greer
'MasterMind' Code cracking
ZMOUSE /P Z (C)88 Keith Greer
ZMouse call library
MOUSE /P Z (C)88 Keith Greer
Mouse call library

```

#663 NOHUG Disk #7 /P Z (C)Various authors

```

PASCAL Programs and Utilities
ALPHA ALPHA B ALPHATIZ AMORT
AMORT2 AMORTIZE AVERAGE BIN
BINARY BLOCKLR BLOKLETR BNCHMARK
CALENDAR CARDS CATEGORY CERT-DEP
CHARACTR CHK-ACCT CHRCOUNT CIRCLE
CLEANED CLOCK CLS CONVERT
COUNTBAK CRYPTO CYCLRACE DATA
DATA-ENT ATER DAYSIN DEGTORAD
DIFFERN C DISPLAY DISTANCE DRAW
DRAWME ENCODE ESCAPE EXCHANGE
FACTORAL FOOTBALL FP-BENCH GREATCIR
HARMSUM HEIGHT HIDECHR INCHES
INCHR INCHR1 INCHR2 INKEY
INTEGERS INTEREST LARGEST LETTERS
LINE25 LOAN-PRT LOCATE MAILFILE
MATRIX METRIC MONTH NACCI
NAMES NIM NOTAGAIN NSA
NUMTEST NUMTYPE ORIAL OVENTEMP
PASCAL PAUSE PENTATH PIP
PRIMEFAC PRIMES PRISMSET PROCESS
PRODUCT PRTEXT PUZZLE QSORT
RADTODEG READ1CHR READBLOK READHD
READINT READREAL REMINDER RETRIEVE
ROMAN SALESTAX SIEVE SIN-COS
SPACENUM SQRTTEST SQUARES TEMPTURE
TEXT TEXTEDIT TICKTACK TOGGLE
TRIGTEST TRIPPLAN UNDERLIN

```

#664 NOHUG Disk #9 /P Z (C)Various authors

```

PASCAL Programs and Utilities
ANIMAL CLRSCRN COLOR CREATE
CRYPTO CTOR CUBEROOT DATATYPE
DRAW EFFINT ENTRY FINANC
FINANCE FUTRVAL GETPARM INIT
GLOBAL GUESS JULIAN LISTFILE
LOCATE MENU NEWVALS NUMPERDS
NUMTYPE PAYMENT PIXEL POWER
PRESVAL PRIMES PROCESS PRODUCT
PRTEXT PSET SCREEN TEST
TESTFILE

```

VOL#	NAME	/SA SYS	AUTHOR
#665	Turbo PASCAL	/G	(C)85 Lyle Faurot
	Turbo PASCAL Lessons		National Software Labs #323.
#666	SURPAS		
	SURPAS-86 v1.00	/I	(C)87 Tixaku Pty Ltd
	PASCAL software development program.		
#670 SERIES: FORTRAN LANGUAGE:			
=====			
#680 SERIES: FORTH LANGUAGE:			
=====			
#680	FORTH Intrprtr	/A G	(C) J.E. Smith,
	FORTH language interpreter		FORTH Users Group
#681	Fig-FORTH v1.0	/A G	(C)81 FORTH Interest Group
	Released to Public Domain		
#700 SERIES: WORD PROCESSOR/EDITORS:			
=====			
#700	Galahad	/Z	(C) Clarkson University
	GALAHAD v1		Word processor program
	ZEDITOR		Small Galahad, used as editor
	PROOF		Spell checker program
	GAL2 v2		Galahad v2 Word Processor
	PER		Percival Text Editor
	LANCELOT		Lancelot spell checker
	GALAHAD v2.05		Word processor program
	PER		Percival Text Editor
	LANCELOT		Lancelot spell checker
	GAL2.DOC		Galahad v2.04 document
	GAL2FUNC.DOC		Galahad v2 function keys
	GAL2LANC.DOC		Lancelot instructions
	GAL2PGM.DOC		Programming GAL2
	GAL2PRNT.DOC		Printing instructions
	GAL2SMPL.DOC		Sample letters and resume
#701	JOVE Text Editor		
	JOVEZ100	/C G	(C) J. Payne, K. Mitchum
	JOVE Emacs Type Text Editor		
#702	TVX Text Editor		
	TVX v3/6/86	/C Z	(C)86 Bruce E. Wampler
	TVX Text Editor		
#703	Text Format Utilities		
	ASNICE	/G	(C)86 Joseph Katz
	Assembly source formatter		
	CLEAN v1.2	/A G	(C) Ray Duncan, William Parke
	Removes CTRL codes from text		
	DETAB	/C G	(C)89 Paul F. Herman
	Remove tabs		
	ENTAB	/C G	(C)84 Michael Burton
	Insert tabs		
	FIXWS	/G	
	WordStar to ASCII conversion		
	KP.BAS	/B Z	
	Resets function keys & displays disk files		
	LETERTR.BAS	/B Z	(C)84 Ken Christopher
	Specific Letter Writer pgm		

VOL#	NAME	/SA SYS	AUTHOR
	LETTER.BAS	/B Z	
	Text processor program		
	PARSE	/G	(C)86 Michael J. Mefford
	Text file analysis utility		
	PDSWG-ZC	/A G	(C)85 Don Kuhn, J.L. Dove
	Z-100 sideways print program		
	PP v1.0.0	/S G	(C)86 T.A. Daneliuk
	Pretty Printer		
	TABIT	/C G	(C)91 Paul F. Herman
	Insert tabs		
	TEXTCON v1.1	/G	(C)86 Chris Wolf
	Text conversion program		
	TINYLIST	/P G	(C) Mike Binnard, Keith Greer
	Prints 150 L/Pg w/2columns		
	TOADSOFT v1.1	/A G	(C)86 David Kirschbaum
	WordStar conversion program		
	TXT-SAMP.BAS	/B Z	
	Readability index		
	WORD-CNT.BAS	/B Z	
	Counts # of words in an ASCII file		
	WORD-PRC.BAS	/B Z	
	Microtext word processor		
	WS4Z100	/A Z	(C)90 Pat Swayne, HUG
	Patches to WordStar Professional 4.0 for the Z-100		
#704	Hex File Editing Utilities		
	EDBIT	/G	(C) Tom & Guy Hunter
	ASCII or HEX editor		
	FILEZAP	/G	(C) Gerald J. Brody
	ASCII or HEX editor		
	ZEDITOR	/Z	(C)85 Zenith Data Sys
	Z-100 only screen editor		
#705	VDE - Editor/Word Processor		
	ED	/P	(C) Pat Swayne
	PC Only, w/25th line Func keys		
	VDE v1.63	/P	(C)91 Eric Meyer.
	Text Editor - PC vers		
	VDEZ	/Z	Z-100 version
	VDE-BC	/G	(C) Ed Keefe
	Big chars & borders		
	VMC v1.11	/P	(C)90 Evan Slawson
	PC-Only, Macro Compiler		
	WP-LITE	/Z	(C) Ed Keefe
	WP-like operation		
#706	MicroEmacs - Text Editors		
	UEMACS v3.0	/C Z	
	UEMACS v3.9	/C Z	(C)87 Daniel M. Lawrence
	Text editor		
#707	WPVIEW Graphics & Image Viewer		
	WPVIEW	/I	(C)89 Premiere Software
	Word Perfect v5.0 graphics viewer + 72 graphics images		
#708	PILOT Vs 1.09	/Z	(C) Clarkson University
	A Q&A authoring system		
	PILOT.EXE		(C)1983 Virtual Systems Software
	The executive program		
	ADDON.PLT	DARWIN.PLT	DEFINE.PLT
	ECHO.PLT		
	ELIZA.PLT	MENUMAKE.PLT	MOM.PLT
	NARCISSU.PLT		
	ORGANIZE.PLT	PRACTICE.PLT	PREWRITE.PLT
	QUIZZER.PLT		
	TOPMENU.PLT	TUTORIAL.PLT	WORKBOOK.PLT
	CONCEPTS.GAL		
	LATIN1.GAL	READING.GAL	VOCAB1.GAL
	CONFGAL.COM		

~~~~~  
**VOL# NAME /SA SYS AUTHOR**  
**DESCRIPTION (ADDL INFO, REFERENCES)**  
 ~~~~~

#709 LOGO Vs 1.01 /G (C)Clarkson University
 Graphical drawing program
 LOGO .EXE The executive program
 LOGO .DOC Documentation file
 AUTOEXEC.LF CLARKSON.LF FLOWERS.LF SPEDIT.LF
 TOWN.LF TWOWIND.LF

#710 FREEMACS /A G (C)90 Russell Nelson
 Programmable Editor similar to EMACS
 EMACMINT The MINT files
 EMACS100 The source code files
 EMACZ100 The executable files
 SPELLER Spell checker for EMACS

#711 WP v5.0 Macros /A G (C)88 The Software Labs
 36 WordPerfect v5.0 macros.

#712 W-ED Word Processor
 W-ED v1.0 /I (C)85 Wyndhamware
 Small Editor and Word Processor

#713 PC-WRITE Word Processor
 PC-WRITE v2.55 /I (C)85 Bob Wallace
 Full-featured word processor & Quicksoft

#750 SERIES: FONTS:

#750 Font Utilities

CHARED.EXE /AC Z (C)Clarkson College
 Font Editor for Z-100 Font char files:
 BOLD Bold (thick) chars
 FUTURE Future font style
 GRAPHICS Adds the H19 style graphics
 IBM IBM-PC style chars
 SHARP A sharper Z-100 char set
 THICK A thicker version of bold
 CAPS Large & small capital letters
 NEWCHR A unique char set
 FONTED v1.02 /Z (C)Marc Aegenas, R.E. Ulrich
 Create own Scrn Fonts
 GRAPCHAR /A Z (C)90 Thierry Klein
 IBM Graphic Character program, plus 35 FONT CHR files
 IBMCHAR /A Z (C)90 Thierry Klein
 IBM Character program
 LOADFONT /A Z (C)90 Thierry Klein
 Loadfont program
 SAVEFONT /A Z (C)90 Thierry Klein
 Savefont program

#800 SERIES: HOME/BUSINESS UTILITIES:

#800 Home/Business Utils

ADDRS /A Z (C)Keith Greer
 Prints addresses on envelopes
 AREACODE v11/30/85 /C G (C)84 Martin Smith
 Telephone Area Code info
 CALENDAR v1.4 /P Z (C)82 Rich Conn &
 Display Month/Year Cal Greg Elder
 CAL v1.00 /Z (C)Joseph Boykin
 Calendar program
 CHKPRO v2.04 /Z (C)86 Bill Langlais
 Checking & Savings Acct Records
 PW v1.0 /A Z (C)J. Kalis, Robert Hale
 Password protection program

~~~~~  
**VOL# NAME /SA SYS AUTHOR**  
**DESCRIPTION (ADDL INFO, REFERENCES)**  
 ~~~~~

RECLIST v2.0 /B Z (C)86 Robert B. Thorne
 Phono recd, cassette, CD database
 SCHEDULE /Z
 Time management utility
 YEARCAL v0.04T /C Z (C)87 Paul M. Sittler
 Calendar generator program

#801 Computer Aided Instruction

BASIC programs are: /B Z (C) Authors unknown
 FASTMATH Math drill program
 LEARNING Teach animals, vegetables, minerals
 LONG-DIV Math exerciser
 MULTIPLY Gives multiplication tables
 QUIZ-MAS Quiz Master - ready for data
 FRENCH-F Quiz Master - French/English foods
 STATES-C Quiz Master - States & Capitals
 TEACHER v2.0 Computer Aided Instruction Pgm
 TRAITS Personality test

#802 Scientific Utilities

CONTOUR /P Z (C)87 Eugene Sevin
 Gives CRT plots for simple functions.
 HALLEY v 1.0 /B Z (C)85 James Tursa
 Track Halley's comet & planets; from HUG #885-3032-37
 LEM.BAS /B Z
 Luner excursion module - GAME
 PLANETS.BAS /B Z
 Determine planet's coordiance
 PLANETS.ZIP /B Z (C)85 Jim Woodruff
 Plot planets on sky charts and makes data tables
 SCIGRAPH.ZIP /P Z (C)89 James A. Lupo
 TurboPascal v4.0 graphics library for 2-D data plots
 SINCOS /P Z (C)87 Vince Saunders
 Sine/Cosine plotting demo program.
 WCHILL.BAS /B Z
 Compute wind chill heat loss
 WCHILL-2.BAS /B Z
 Compute wind chill & effective temperature
 WINCHILL.BAS /B Z
 Prints a windchill chart on printer
 ZYAC v2.0 /G (C)87 Greg D. Elder
 Scientific Calculator

#803 Scientific Utils

Helpful science & math pgms
 BIOMETRY routines /Z (C)90 Robert W. Rasch
 X-Y plot & histogram pgms
 CARREMAG.EXE /F Z (C)92 Thierry Klein
 Magic square program
 COURBES.EXE /F Z (C)92 Thierry Klein
 Curve drawing program
 PLOT /Z (C) Gary Appel
 Data plotting program
 PLOTGRAF /B Z (C)90 Frank Markovich
 Rect equation plotting pgm
 POLARPLT /B Z (C)90 Frank Markovich
 Polar equation plotting pgm
 ZPLOT /Z (C)88 James A. Lupo
 Plotting package w/virtual pen
 Z100PLT v3.01 /Z (C)88 James A. Lupo
 Plotting graphics support package
 ZBASIC routines: /B Z Various authors
 From New Orleans HUG Library
 B-MARK-1 Square root program
 B-MARK-2 Cosine
 B-MARK-3 Square root

~~~~~  
**VOL# NAME /SA SYS AUTHOR**  
**DESCRIPTION (ADDL INFO, REFERENCES)**  
 ~~~~~

And other Benchmark Programs from Popular Computing 4/82

B-MARK-4 B-MARK-5 B-MARK-6
 B-MARK-7 B-MARK-8 B-MARK-9
 B-MARK10 B-MARK11
 DBL-TRIG Double precision trig calc
 ELLIPSE Plot an ellipse - MATH
 EPI-TEST & (C)84 Florence & Sheldon Gordon
 EPICYC Graphs Epicyoids
 FORMULAS Electronic Formulas Calc pgm
 FUNCTION Function generator - MATH
 GLOBPLOT X-Y plot, given PSI, PHI, & THETA
 HYPOCYC & (C)84 Florence & Sheldon Gordon
 HYPOTEST Graph Hypocycloids
 LACEPLOT X-Y plot, given PSI, PHI, & THETA
 MOBIUS X-Y plot, given PSI, PHI, & THETA
 NUMBERS Number game for the kids
 ODD-SQRE MATH
 POLYMAZE Draws & solves polygonal mazes
 POLYPLOT Graphics plotting program
 PRECISE Calculates square roots, sine, arctan, etc.
 PRIME-NO Calculate prime numbers
 PYRAMID Pyramid of 'Z'
 Q-GRAPH Plot 3 lines - MATH
 RESONANT Calcs resonance of a circuit; Vs1.1
 RPN-CALC Reverse polish notation calc - MATH
 SINCURVE Plot sine curve - quick
 SINE Plot sine wave
 SINEPLOT Plot sine curve
 SPIFFY Turns computer into a calculator
 TRI-PLOT Cartesian, Polar or 3-D func plots
 VECTORS Colorful circles - MATH

#804 HAM Radio Utilities

BASIC.ZIP: /B Z ZBASIC pgms fm New Orleans HUG
 CLOCK Sideral time clock w/adj Lat/Long
 DUPE-LOG Keeps Callsign log/duplicate checker
 DX-CLOCK Sideral time clock for any Lat/Long
 GEOSYNCH Geosynchronous Satellite Locator
 L-DIPOLE Compute di-pole HAM antenna length
 OHMS-LAW HAM electronics
 SAT-LOC Geosynchronous Satellite Locator
 SWR Calculate SWR - HAM
 YAGI Antenna design program
 MORSE v3.05 /C Z (C)89 Walter Ching
 Morse code tutor and quiz
 TRTY 4000.2 /Z (C)92 Skyline Associates
 Amateur Radio Comms Ctrl pgm

#805 World Data Bank II /P G (C)86 Fred Pospeschil

#805a World Map Data, DOC & Pgms
 #805b World Map Data, Coord Data
 #805c World Map Data & Source Code
 Plot World DB v2.10 /P (C)89 Fred Pospeschil
 Display and Plot World Maps

#806 Le Cartographe /F Z (C)91 Thierry Klein

Map drawing pgm (uses MWDB data file)

#807 Desktop Utilities

DESKMATE v1.00 /I (C)85 Alternative Decision
 Sidekick-type desktop utility
 PCWINDOW /I (C) Author unknown
 Smaller, less capable utility
 HOMEBASE v2.1 /I (C)87 Brown Bag Software
 DOS services, database, calendar/appt book, etc.

~~~~~  
**VOL# NAME /SA SYS AUTHOR**  
**DESCRIPTION (ADDL INFO, REFERENCES)**  
 ~~~~~

#808 Home Accts v3.06 /I (C)89 FGS Technologies
 Track all home financial accounts.
 Requires ZPC or PC-emulator board.

#809 Right Hand Man v3.3 /Z (C)86 Red E Products
 Desktop Utility Program

#810 ACANAL 10/3/89 /Z (C)88 Gary A. Appel
 AC Circuit Analysis program

#811 Famous Sayings Various Words of Wisdom
 COOKIE2 /A Z
 Fortune cookie program
 MURPHY /Z
 Murphy's law program

#812 Legal/Business
 Legal/Bus Forms /G (C) Unknown author
 LEGAL and Business Forms

#813 Home/Business Utilities (C)Various Authors
 BASIC.ZIP: /B Z ZBASIC Utilities
 ACRS Depreciation (acrs) pgm
 BIORYTHM Calc & plot biorhythm chart
 BUDGET Records income & expenses
 CAL-MGR Menu module for cal programs:
 APPT-CAL Appointment Cal
 SCRN-CAL On-Screen Calendar
 WALL-CAL Wall Calendar
 YEAR-CAL Year's Calendar
 CAL-PRT A Calendar generator pgm
 CHECKBAL Checkbook balancing; (C)John Stith
 CHECKING &
 CHK-BAL Personal check balancing programs
 CLOCKCAL Screen Clock & calendar
 COMBROKR Financial System; uses daily closings
 DATAGRAF 12 Mo period Bar graph pgm
 DATEBOOK Enter up to 9 items under any date
 DAY-DATE Calculates # of days between 2 dates
 DAY-WEEK Enter a date and get back a day
 DECISION Decision analysis; (C) R.J. Belanger
 DIET-PRO Nutritional program using ingredients
 DISK-LBL Filesort program to list files on printer
 FILE-IT Filing & Info Retrieval Database program
 FINANCE Present value of load
 GAS Track car's expenses - not finished
 HANDICAP Golf Handicapper; Popular Computing
 INPUTTER Input report data of specific length
 INVEST Investment counselor
 LABELPRT Label printing program; (C)Wm Campbell MD
 LOAN Compute loan facts
 MAIL-LST Mailing address database & label maker
 MAKESEQ Create mail list; (C) Wm Campbell MD
 MEMOBASE Small database program
 MENU Z-100 Menu pgm; Calls:
 CALENDAR Calendar program; Ken Christopher
 THOUGHT Thoughts for the day
 MORTGAGE Payment calculator
 NUM-BASE Convert #s one base to another
 NUM-CONV Convert #s between US & Metric
 ORG-CHRT Create, revise, & print organ charts
 OVERTIME Track overtime; Ken Christopher
 PERS-INV Personal Inventory program
 PFINIT Checking Acct database program?
 PORT-FOL &
 PRTFOLIO Stock Portfolio programs

VOL# NAME /SA SYS AUTHOR
 DESCRIPTION (ADDL INFO, REFERENCES)

RNDCLOCK Screen Clock w/moving hands
 SCRNCAL Calendar, from PC Magazine 8/84
 SOUNDEX Soundex Phone Directory file mgr
 TEST-PRT Prints labels; Wm Campbell MD
 WEEKDAY Gives facts about day of interest
 W-SEARCH Word Find game maker
 XMAS Tells # of shopping days to Xmas
 ZIPCHECK Checks for valid ZIP codes
 Z-BASE Dbase sys; Mark Pelczarski
 Z-100 vers, Ken Christopher
 Z-CHECK Keeps checks; (C)Jeffry L. Bretz
 CAL-MENU.* /B Z Calendar pgm; (C) S.W. Vagts
 CONVERT#.* /B Z # Conversion pgm; (C) S.W. Vagts
 DIRECTRY /Z Personal Phone dir dbase; uses:
 ADD.BAT Adds names & numbers
 LOOKUP.BAT Locates name in database
 TRACK.BAT Batch file to log times TRACK runs
 Uses the following files:
 CR Enters a carriage return
 LOG Record of time, date & name
 TMP1 Current time entry
 TMP2 Current Date entry
 TMP3 Logging... entry

#814 Lotus 123 Add-Ins /G (C)87 Lotus Development Corp.
 Add-ins & Macros for Rel 2.01, from Lotus distributed free:
 ADD_MGR.EXE ADN_MGR.DRV DEL_MGR.EXE LEARN.ADN
 SPEEDUP.ADN SPEEDUP.WK1 1.WKS 2.WKS
 AD_MGR.WKS APRIL.WKS ASCII.WKS AUTO123.WKS
 CHECK.WKS CHEK185.WKS CHEK285.WKS JUNE.WKS
 LABELS.WKS MAC2.WKS MAC3.WKS MAY.WKS
 MENU.WKS MORTGAGE.WKS PAYROLL.WKS S_APRIL.WKS
 TEMPLATE.WKS WORDPRO.WKS

#815 Financial Plans
 BIGFIN v2.75 /G (C)90 Gary D. Moore
 Big Financial Program - Annuity, Savings, Loans, etc.
 DATEBOOK /G (C)84 Borland, Inc.
 Appointment Calendar
 FINANCE /G (C) Unknown author
 Twelve popular finance programs
 FINANCES /G (C)83 John A. MacEvoy
 A personal finance manager
 PLANNER /G (C)88 Air Force Aid Society
 Financial planning program
 IBUDGET /G (C)86 Air Force Aid Society
 Budget planning system

#816 Family History /I (C)91 Phillip E. Brown
 FAMCHART FAMDESCH FAMEXORG FAMFFGRP
 FAMFILES FAMGROUP FAMILY FAMINIT
 FAMMENU FAMPRNTC FAMRELAT FAMSCRNA
 FAMVALID PAFGEDCM BRUN30 DATECALC

#817 PC-FILE Database Pgm
 PC-FILE v3.0 /I (C)84 Jim Button
 Database manager program Buttonware
 PC-GRAPH v1.0 /I (C)85 Jim Button, Softek
 Plots Database information

#818 DATASCOPE Serial Comms Analyzer
 PALS v1.10a /I (C)90 Paladin Software
 Serial comms analyzer

VOL# NAME /SA SYS AUTHOR
 DESCRIPTION (ADDL INFO, REFERENCES)

#819 Home Lawyer
 HL v1.0 /I (C)90 Overdrive Systems, Inc.
 Home Lawyer program

#820 Pianoman
 PIANOMAN v4.0 /I (C)88 Neil J. Rubenking
 Play the piano on the keyboard

#821 Critical Path Method
 CPM v1.0 /I (C)84 Glen F. Weien
 Critical path analysis

#822 Inventory Systems
 YOURVOWN v2.0 /I (C)85 Melvin O. Duke
 Your Very Own inventory system for GWBASIC

#823 ExpressCalc Spreadsheet Pgm
 CALC v3.12 /I (C)86 Bill Willis &
 "Visible" spreadsheet program Ralph Osness; Expressware

#824 Science, Engineering, Math
 Utilities include: /ABP G (C) Multipath, Inc.
 FOURIER POLYFIT2 QA SOLVER
 VARISLOW GRAPHHI GRAPHPC GRAPHZ
 PWRSTAR STAT-SAK FG MATHFUNC
 NETWORK4 PLANETS SE SOLAR
 SUNSET TOOLKIT VIEW MATH
 MATRIX NCCLSPRE NORMAL-Z REGRESS
 STAT DRIVFILE SETDRIVE SURVEY
 ARCTRIG BAIRSTOW CURVFIT EQNSOLVE
 GAF MAT MTWK PI-MATCH
 PRECESS SIMEQU TCAP-IBM TRANSRES
 ZCALC CALC2 MPK2 NONLIN
 RPN SES STORM

#825 DBase II/III Utilities
 Utilities include: /AB G (C) Multipath, Inc.
 ATSAY BOOKINV CAPSTR CMDUPDAT
 COPYFLD DATER DATESYS DB2NEET
 DBASE2C1 DBASEGRF DBEPSON LABEL1
 LABEL2 QA BOXMAKER CHKBOOK
 INITIAL SUBROUTE DG CMDJOIN
 CREATE DBASECHG ERR_HIST FDATE
 FLOWDB3 FONEDIR INDEXKEY LABELER
 LABELPRN MAC MAXMIN QSORT
 ROLODEX APPEND BROWSE INDEX
 INV INVPRINT LOOK ADDIT
 ADDNAMES ALLBAL BAL BUCKS
 CHECKER CLOSEOUT CREDIT DATA
 EDIT EDITACC EDITINV FIDO
 FIXTXT FSTATE LABELS LATE
 MANUAL MENU NAMECHG PRGPMT
 PRPSALES SALES SORTINV STMT
 GETMEMO MEMORPT PAGETOP DUMDRIVR
 PACKFILE TEST2 MAIL GETTY
 WORDWRAP COLOR DBS DBSWEEP
 DTUNEPC DUPES INDXCARD MEMDUMP
 MNTSORT REPORT CATALOG MENUSYS
 DISPNDX FCPO DEMO DEMOSET
 KEYSSET KIT

#826 SmartKey II+ v2.1B /G (C)84 FBN Software
 Keymapping utility


```

=====
VOL#  NAME      /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)
=====

```

```

#827  MARCIVE v1.05 /I      (C)87 Marcive, Inc.
      Cataloging Application for books, magazines, records, etc.
      Written for PC-DOS by MetaMicro Library Systems, Inc.
      Gave "Wild Interrupts" on native Z-100, use PC-emulator?

```

#830 SERIES: GRAPHICS:

```

=====
#830  Image File Utilities: (Z100LL #13)
      CHKPIC v1.00 /Z      (C)87 Keith P. Graham
      Determine image file's format
      DISPLAY /C Z      (C)86 Butler Hine
      Display RLE images on Z-100
      GIFER /P Z      (C)88 Jim Griebel &
      CompuServe GIF displ pgm        Roy Jackson
      GIFZ100 v2.1 /P Z      (C)88 Greg D. Elder
      CompuServe GIF display pgm
      RLE v1.1 /P Z      (C)89 Rick Shaeffer
      CompuServe Graphics
      ZGIF v1.20 /Z      (C) Tim McCaffey
      Display GIF, PROSCAN & PROCOLOR

```

```

#831  Graphics Curiosities
      DOTS v1.2 /Z      (C)85 James R. VanZandt
      Generates a 3-D view of figure
      FRACTAL /C Z      (C)85 James R. VanZandt
      Monochrome Fractal generator pgm
      MANDL_O /Z      (C)87 SACware
      Mandelbrot fractal graphics for the Z-100
      OPTICAL /B Z      (C)85 William J. Velten
      Optical illusion
      QIX /P Z      (C)87 D.J. Delorie
      Demonstrates line drawings on color Z-100.
      RASCH /Z      (C)90 Robert W. Rasch
      Variety of fractal display programs
      TERMITES /A Z      (C)87 D.J. Delorie
      Can't describe, type TERMITES 100 and see.
      ZIGGY /Z      (C)88 Paul Herman
      ZIGGY cartoon graphic

```

```

#832  POSTERS /Z      Graphic editor program
      FONTS.ZIP        Special font files
      LETBLD.EXE       Font Editor Program
      POSTERS.EXE       Main Program
      POSTERS.ZIP       Sample poster files

```

```

#833  CHART v3.13 /Z I    (C)86 Greg Frey, Tom Gage
      Graphic Editor, Slide Show Pgms, including:
      BRIEF v3.13       Compiled BASIC pgm to present a slide show.
      CGEN v2.0        Character GENerator program to create fonts.
      CONVERT v1.0     Converts older graphics files.
      GRAPH v3.13     Compiled BASIC pgm to create graphs.
      SCDMP v3.5       Screen dump program

```

```

#834  Clarkson Grafx /P F Z (C)Clarkson University
      Fortran, Pascal Graphics Lib

```

```

#835  DOODLER V Art /G    (C)93 Paul F. Herman
      DOODLER V v5.24 ClipArt - GIF graphic files
      From AARDVARK to ZEBRA, there are 123 files in CLIPA <dir>
      and 118 files in CLIPB <dir>.
      Also, the following files in the PICTURES <dir>:
      BULLWINKL.PIC    481x180c: Bullwinkle & Rocky Raccoon
      BUNNYS.PIC       638x193c: Cartoon bunny rabbits
      CABBAGE.PIC      397x117c: Cabbage Patch Kids logo

```

```

=====
VOL#  NAME      /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)
=====

```

```

CAREBEAR.PIC        412x190c: Care Bears
CARECOON.PIC        296x176c: Care Bear cousin raccoon
CARELION.PIC        294x185c: Care Bear cousin lion
CAUTION.PIC         580x469c: Computer cartoon
DENNIS.PIC          570x195c: Dennis the menace & Ruff
DEVIL.PIC           470x150c: Tasmanian Devil
GARFLD1.PIC         348x123c: Garfield the cat
GARFLD2.PIC         276x129c: Garfield at food bowl
MICKEY.PIC          262x112c: Mickey Mouse
NCC-1701.PIC        546x243c: Starship Enterprise (plan view)
ODIE.PIC            217x163c: Garfield's Dog friend
PLANE.PIC           508x469m: Boeing 727 at airport
PRECIOUS.PIC        638x208c: Precious moments chars in sled
SMURFS.PIC          626x199c: Smurf, Papa smurf & Baby smurf
SPHERES.PIC         512x439m: Abstract art
STATES.PIC          341x108c: U.S. Map

```

#836 Z-100 MACPAINT File Viewers /A Z Unknown artists
View MacPaint .MAC Format Image files on the Z-100

```

SHOWMAC.COM         MacPaint Image File Viewer
BABY5.MAC           Cartoon caricature
BEATLES.MAC         The popular singing group
BILLCAT.MAC         Cartoon
BROOKE.MAC          Portrait
HEATHER.MAC         Portrait
HYDRA.MAC           The Hydra monster
KILLER.MAC          Another disgusting monster
OPUS.MAC            Penguin cartoon
SPOCK.MAC           Mr. Spock of Star Trek fame
WATRFALL.MAC        An Escher waterfall illusion
WINGER.MAC          Portrait
ZEBRAGRL.MAC        Exotic artwork
Z100MAC.COM         MacPaint Image File Viewer
Z100MAC.ASM         Source code

```

#837 ProColor 512 Utils
Programs for the ProColor board; (Z100LL #9, #13, #21)

```

PROGIF /AC Z        (C)91 Paul F. Herman
ProColor 512 color GIF viewer
PROGIF2X /AC Z     (C)Paul F. Herman
ProColor 512 320x200 GIF viewer
PROSLIDE /A Z      (C)91 Paul F. Herman
Image viewer
PROTARGA /AC Z     (C)91 Paul F. Herman
Image viewer
PS500 /A Z         (C)93 Thierry Klein
Print Scrn on HP Deskjet 500C
QUIKPIK /AC Z      (C)90 Paul F. Herman
Quick image viewer

```

#838 Painter's Apprentice V1.A

```

PAINT v1.A /Z       (C)90 Russell Nelson &
Graphics Editor       Patrick Naughton
ZPAINT.EXE /Z       Self-extract ZIP file:
ZMOUSE1.COM         Mouse Driver for Z-100 Ser Port J1
ZMOUSE2.COM         Mouse Driver For Z-100 Ser Port J2
PAINT.COM           P.Apprn (Normal Video Mode 640x240)
PAINTI.COM          P.Apprn (HiResInterlace Vid 640x480)
PAINTPRO.COM        P.Apprn (HiRes PROSCAN Vid 640x480)
PAINT.PRI           Prnrtr Driver (default=EPSONMX.PRI)
CONVERT.EXE         /Z
ZPAFONTS.EXE        /Z       Self-extracts Standard Fonts
ZPAMASM.EXE         /A Z      Self-extracts MASM Source
ZPAPRINT.EXE        /Z       Self-extracts Print Driver
ZPATPAS.EXE         /P Z      Self-extracts TurboPascal

```

```

VOL#   NAME           /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)

```

```

ZPAUTIL.EXE      /Z      Self-extracts Utilities ZIP
ZPAFONTX.EXE     /Z      Self-extracts Extra Fonts ZIP
ZPAIMAGE.EXE     /Z      Self-extracts Sample Image

```

```

#839   PAINT100      /A Z    (C)00 Steven W. Vagts, Z100LL
Paint graphics program that uses H/Z graphics.

```

#840 Graphics Programs

```

DISP.EXE         /C Z    (C)87 Bruce Stocks
Designed to show image files
GRAB.EXE         /C Z    (C)87 Bruce Stocks
Causes the frame grabber to capture an image
GRAPH.EXE        /Z      (C)86 James R. Van Zandt
Draws tabulated function on Z-100 screen
GRAPHHI.EXE     /Z      (C)86 James R. Van Zandt
Plots tabulated function on Houston Instruments Plotter
HEATHER1.IMG    /G      Image file, David Gubbins
IGLDRAW v2.4    /B Z    (C)87 David Gubbins (Gern)
Z-100 IGL Picture Display program
LCFGRAB.BAS     /B Z    (C)90 David Gubbins (Gern)
LCFGRABI.COM    /P Z    (C)90 DJ Delorie
Uses Z-100 in interlace mode.
MAKEPIW.EXE     /C Z    (C)89 Bruce Stocks
Converts a raw binary image to an imagewise format
PLANE.IMP       /G      Image file
QUIKDRAW        /B Z    (C)87 David Gubbins (Gern)
Z-100 IGL Picture Redisplay program
QIX.PAS         /P Z    (C)90 DJ Delorie
QIXI.PAS        /P Z    (C)90 DJ Delorie
Turbo Pascal graphics programs
SHOW.EXE        /C Z    (C)87 Bruce Stocks
Outputs a raw binary file to Imagewise frame buffer
STRIPIW.EXE     /C Z    (C)89 Bruce Stocks
Converts Imagewise image to DISP format
TANKS.ASM       /A Z    Game (C)87 DJ Delorie
TERMITES.ASM    /A Z    Game (C)87 DJ Delorie
ZSHOW.EXE       /C Z    (C)87 Bruce Stocks
Displays a raw binary image on monochrome monitor
UMASK.EXE       /C Z    (C)87 Bruce Stocks
Uses "unsharp masking" to enhance images

```

#841 SHOWPIW

Graphics Images and Viewers for use with disk #840

```

CLSn.ASM        /A Z    (C) DJ Delorie
PSETn.ASM       /A Z    (C) DJ Delorie
SHOWPIW.COM     /A Z    (C)89 Scott Leno
SHOWPIWP.COM    /P Z    (C)89 David Gubbins
Plus numerous .PIW Image Files:
CAROL          GERN          HEATHER2      JES&ROG
KATHY1         KIRK2         LENA          PAULINA
SCOTT          SPOCK

```

#842 Mandelbrot Generator Pgms

```

MANDELEX Vs1.1  /B Z    (C)87 David W. Roscoe
Pgm to explore Mandelbrot Set.
PUTGEN.ZIP:     /C Z    (C)86 Bruce Stock
Routines to generate fractal designs for PUTS12
BYTE2BIT.EXE   Convert 1 b/p to 3b/pixel map
BYTE4BIT.EXE   Convert to 4 bits/pixel map
EXPAND.EXE     Enlarges width of pixel maps
FRACTAL.EXE    Calculates Mandelbrot set
JULIA.EXE      Julia set calculation
PUTS12.EXE     /Z      (C)86 Bruce Stock
Display Z-100 bit-map images

```

```

VOL#   NAME           /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)

```

```

Sample graphics files include:
BALLS.BIT       PLANE .BIT
IMAGE1.BIT      IMAGE2 .BIT
COLORMAP        Used by BYTE2BIT
BIGCOLOR        Used by BYTE4BIT
Z100 .PID       /Z
Plot Image Data (Graphics) file for MANDELEX

```

#843 FloDraw Graphic Drawing Utility

```

FLODRAW v1.20   /I      (C)88 George Freund
Graphics Editor with several libraries of symbols

```

```

#844   WP v5.0 ClipArt /G      (C)88 Ron Warder
182 WordPerfect v5.0 WPG graphic images, from ABACUS
to '89TBIRD, captured using WP v5.0's "GRAB" utility.

```

#845 PCX Graphics Viewers /G (C)90 Catenary Systems

```

2PCX           Convert pix file fm GIF, TIF or PIW formats.
TBSLIDE        Displays PCX files on Z-100 w/TB512 board.

```

#846 Z-ARTIST v2.2 /B G (C)87 Mark Mangerson

```

Graphics editor presented in Dec '84 "REMark" magazine.
Z-ARTIST       Compiled ZBASIC program.
SLIDE          Displays all PCT files present on disk.
SHOW           Displays each PCT file individually.

```

#847 ZigSaw v1.2 /B G (C)88 Kenneth E. Gilbert

```

Developed on Z-100 using EASY-PC emulator board. Makes
puzzle games from RLE format graphics files.
CONVERT        Converts AutoCad, Doodler, ProDesign, &
BASIC files to RLE format graphics files.
ZIGSAW         Makes puzzle games.

```

#848 GIF Graphics Viewers

```

CATCH v1.1     /I      (C)88 DEXXA International
Graphic screen print & capture utility.
CVTGIF v1.5    /I      (C)89 John Bridges
PIC or PCX to GIF conversion utility.
MAC2GIF v2.00  /I      (C)88 Lawrence & Marvin Gozum
MAC to GIF conversion utility.
MAC2TIF v2.00  /I      (C)88 DEXXA International
MAC to TIFF conversion utility.
PCX2TIFF v2.00 /I      (C)88 DEXXA International
PCX to TIFF conversion utility.
PICEM          /I
GIF picture viewer.
SQZGIF v1.00   /I      (C)88 Lawrence & Marvin Gozum
Squeezes GIF files
TIF2PCX        /I      (C)88 DEXXA International
TIFF to PCX conversion utility.
VGAIMAGE v1.1  /I      (C)89 Hoke Johnson
Image viewer/maker program.

```

#849 GRASP v1.10c /I (C)86 Doug Wolfram

```

Microtex Industries
Programming language to create/run animated graphics shows.
GRASP          W/demo file.
CAP            Capture program for screens and clippings.
WHATPIC        Gets size & color of PCPAINT PLUS pictures.
WHATCLP        Gets size & color of PCPAINT PLUS clippings.
ALLFADES       Demonstrates fade capability of GRASP.
WOW            A menu system for starting GRASP.

```

```

VOL#   NAME           /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)

```

```

#850   PictureThis
PictureThis v2.00 /1 (C)89 Patricia Williams &
Graphics Drawing Program. Gregory Williams
PICTHIS           PictureThis "Shareware" version.
CAPTHIS          CaptureThis screen capture program.

```

```

#851   Graphics Works
Graphics Works v3.4 /1 (C)89 PC-SIG, Inc.
Graphics drawing program comprised of:
GRAFWKS v1.9      Converts, prints, views, etc.
GRAFCAT v1.9      Catalogs all image files.
CROPGIF v1.1      Crops GIF files; must use mouse.

```

```

#852   Graphic Slide Pgms
COMPUSHOW v7.20a /1 (C)89 Canyon State Sys
Displays GIF & RLE images in a show.
GRABBER v2.20    /1 (C)87 Gerald A. Monroe
TSR screen-capture utility.
SLIDE v1.1       /1 (C)88 DEXXA International
TIFF format slide show utility for PAINT IT!

```

```

#853   GIF Graphic Viewers
GREY v1.5        /1 (C)87 Michael Vigneau
Greyscale GIF decoder; works under ZPC.
VUGIF v1.80     /1 (C)89 Offe Enterprises
GIF format picture viewer w/scaling options.
VGIF v4.0       /1 (C)88 Bob Montgomery
GIF file viewer. Pgm won't run on Z-100; reqs EGA display.

```

```

#854   3D CAD Drawing Pgms
DANCAD3D v2.0   /1 (C)88 Daniel H. Hudgins
Wire frame, CAD, animation drawing program.

```

```

#855   V-Cubed Board Pgms
V-Cubed Board Pgms /B Z (C)91 Unknown author
MOTOR.BAS        WORLD2.BAS RESTORE.BAS

```

```

#856   PC-KEY-DRAW
KEYDRAW v2.1    /1 (C)84 Edward H. Kidlers IV
Keyboard screen drawing, printing & slideshow

```

```

#857   Easy Presentation Graphics
EPG v2.04       /1 (C)88 Brown Bag Software
Easy Presentation Graphics Demo

```

```

#858   Brown Bag Programs
PCO v3.34       /1 (C)88 Brown Bag Software
PC-Outline and planning pgm
MENU v2.15      /1 (C)88 Brown Bag Software
PowerMenu operating environment & menu program.
MR v2.00        /1 (C)88 Brown Bag Software
MindReader text editor program.
GS              /1 (C)87 Brown Bag Software
GoalSeeker spreadsheet Whatif analysis.

```

```

#859   ZGRAPHICS for Turbo Graphic Toolbox
ZGRAPHIX v1.0b  /Z (C)86 Chaos Computers
Upgrade to the Turbo Graphic Toolbox for Z-100.
ZGRAPHIX v2.0a /Z (C)86 Chaos Computers
Upgrade to the upgrade.

```

```

#860   FingerPaint Draw Pgm
F v2.00         /1 (C)88 Poisson Technology
EGA/CGA Graphics drawing program

```

```

VOL#   NAME           /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)

```

```

#861   PC-ART Drawing Pgm
PC-ART v4.00    /1 (C)88 Paul Michael Stone
Color Graphics drawing program.

```

```

#862   PrintShop Grafx /1 (C)90 Software Labs
PrintShop Graphics Library (Disks #3 and 4)

```

```

#863   FONTRIX v2.5 /1 (C)85 Data Transforms, Inc.
Graphics drawing utility

```

```

#864   Captain Klutz /Z (C)90 Lee Hart
Adventures of Capt. Klutz comic-book-like slide series.

```

```

#865   BASIC Graphics Pgms /Z (C)83 Kern Publications
All files have .BAS extension. ZBASIC seems to work fine.

```

```

SIDE A:
CTRANS          - Moves 2-dimension picture with {U}, {D}, {L}, {R} keys.
DTRANS          - Same as LTRANS, but drawn dynamically.
ETRANS          - Same as ETRANS, but erases previous pictures.
FTRANS          - Same as CTRANS, but speeds up graphics using an integer.
GTRANS          - Translates 2-dim shape in plane of plotting area.
LTRANS          - Same as GTRANS, but shape is drawn in local coordinates.
INTERACT        - Draws picture from lines, boxes, triangles, circles, arcs, ...
L1              - Draws line with PSET & LINE statements.
L2              - Draws a line using the LINE statement.
L3              - Draws a frame around a plotting area w/LINE statements.
LARC1           - Draws a clockwise circular arc through the keyboard.
LARC2           - Draws a circular arc w/arc through a smaller angle.
LCIRCL          - Draws a circle or polygon with lines.
LWINDOW         - Draws lines in a window, clipping those going outside.
P1              - Places med-res point at the screen center.
P2              - Places med-res point at user's coordinates.
P3              - Places many points at user's coordinates.
P4              - Places many points at user's coordinates w/text pad.
P5              - Places many points at user's coordinates, values checked.
P6              - Places many points at user's coordinates, with input loop.
PARC            - Draws a circular arc with points.
PBLOCK1         - Draws a square block using points.
PBLOCK2         - Draws a block using block center and size.
PDISK1          - Draws circular disks with points.
PDISK2          - Draws a sector of a circular disk with points.
PDISK3          - Draws shaded circular disks with points.
PELLIPSE        - Draws a shaded ellipse with points.
PLINE           - Draws a straight dotted line with points.
POLY            - Draws a polygon from keyboard input points.
PSHAPE          - Draws a pre-defined shape from points.
PWINDOW         - Draws points inside, and only inside, a window.
QUAD1           - Draws a quadrilateral with points from the keyboard.
QUAD2           - Same as QUAD1, but plots points as input.
RANGLE1         - Draws a rectangle with only three corners input.
RANGLE2         - Draws a rectangle with only center, width, height input.
SCALE           - Changes the size of a 2-dimensional shape.
STRETCH         - Stretches a 2-dimensional shape in x and y directions.
SWINDOW         - Same as LWINDOW, but drawing may be scaled.
TANGLE          - Draws a triangle given center, width, and height.
TWINDOW         - Same as SWINDOW, but may be translated and scaled.
WINDOW          - Draws a window anywhere on the screen.
SIDE B:
BARCHART        - Draws a barchart of sales vs month of the year.
CAT1            - Scales, translates & rotates a 2-dimension shape using
matrix concatenation.
CAT2            - Scales, translates & rotates a 3-dimension shape.
CAT3            - Scales, translates & rotates a 3D shape in one step.
CONE            - Rotates & translates a cone in 3 dimensions.
CYL1            - Rotates & translates a circle in 3 dimensions.

```

~~~~~  
**VOL# NAME /SA SYS AUTHOR**  
**DESCRIPTION (ADDL INFO, REFERENCES)**  
 ~~~~~

CYL2 - Rotates & translates a cylinder in 3 dimensions.
 DESIGNER - Creates a 3D drawing in 3 dimensions.
 DPROT - Rotates a point about a rotation center dynamically.
 HIDDENL1 - Rotates & translates a cube removing hidden lines.
 HIDDENL2 - Removes hidden lines from two separate planes.
 INTER1 - Finds & plots point of intersection between a line & plane.
 INTER2 - Finds & plots point of intersection only if within the plane.
 LROT - Rotates a line dynamically.
 MOTION1 - Rotates & translates a 3D shape in 3 dimensions.
 MOTION2 - Same as Motion1, but drawing can be saved/loaded on disk.
 NH3 - Scales & rotates an ammonia molecule in 3 dimensions.
 PERSPECT - Draws perspective view of 3D shape.
 PISTON - Displays motion of oscillating piston.
 PROT - Rotates a point about a rotation center.
 SATURN - Draws Saturn in color.
 SHADING1 - Rotates & translates a 3D cube with shading.
 SHOOTER - Draw a shell in a plane.
 SROT - Rotates a 2D shape dynamically.
 XROT - Rotates a 2D shape around an axis parallel to the x axis.
 YROT - Rotates a 2D shape around an axis parallel to the y axis.

#870 SERIES: GAMES:

=====

#870 Mouse Driven Games - Games that use Mouse Input

BTTLSHIP /P G (C)89 Keith Greer
 Popular Battleship game
 DICE51 v2.0 /P (C)88 Guy Hunter
 Dice game
 DICE51Z v2.0 /Z (C)89 Keith Greer
 Z-100 mods to DICE51
 YAHTZEE v5.00 /P (C)88 Guy Hunter
 The popular Yahtzee dice game
 YAHTZ100 v5.03 /Z (C)89 Guy Hunter
 w/Z-100 mods by Keith Greer

#871 Strategic Board Games

CHES100 v1.0 /Z (C)89 Greg Elder
 Chess Game w/mouse interface
 CORRTH /B Z (C)85 Glenn Herrin
 Chess-like board game on three levels

#872 Adventure-86 v6.0/0 /G

Original Cave Adventure Game

#873 Star Trek Space Games

STARCMBT v1 /B Z (C)87 Vern Saxon
 Elaborate Star Trek simulation
 STARTREK /B Z (C)90 Glenn Faini
 Star Trek simulation
 SUPRTREK /B Z
 Star Trek simulation
 TREK /B Z (C) Harold Lanna
 Based on "BIGTREK" game; Modified to use graphics
 WARP /Z
 Star Trek game
 WARSTRON /B Z (C)85 Glenn Herrin
 Space battle game

#874 Dungeons/Dragons & War Games

DUNGEONS /Z (C)Orig MIT labs
 Dungeons game
 HACK v1.0.1 /Z (C)86 Don Kneller
 Dungeons & Dragons game
 LORDSHIP v1.0 /Z (C)86 Glenn Herrin
 Game of tactics & skill

~~~~~  
**VOL# NAME /SA SYS AUTHOR**  
**DESCRIPTION (ADDL INFO, REFERENCES)**  
 ~~~~~

#875 Mouse/Light Pen Games (C) Robert F. Hassard
 BG /A Z Mouse Backgammon (C)87
 EMBG /A Z Mouse Backgammon (C)96
 HBR /Z Computer Bridge (C)87-96
 LPBR /Z Bridge-Light pen vers (C)1987
 MBG /A Z Mouse backgammon (C)96
 MDP /A Z Mouse draw poker (C)96
 SOLM /A Z Mouse solitaire (C)93
 TTT /A Z Mouse Tic-Tac-Toe (C)96
 GAMMON v2.1 /B Z (C)87 Michael Scott
 Mouse/Light Pen driven Backgammon
 ZMOUSE1 .COM Uses Z-100 J1 port
 ZMOUSE2 .COM Uses Z-100 J2 port

#876 Arcade Style Action Games

GOBE-SOU /B Z (C)85 Lucien Dumas
 Slot machine game w/great Z-100 video.
 PATROL /Z (C)86 Glenn Herrin
 Space aliens game
 STALKER v2.0 /Z (C)86 Glenn Herrin
 Helicopter chase game
 STARFOX /P Z (C)87 Alex Howansky
 Space battle game
 ZARK /Z (C)88 Alan Hazelton
 Z-Arkanoid game

#877 Dungeons/Dragons Games

HACK v3.51 /G (C)86 Don G. Kneller
 Dungeons & Dragons game - Includes ZANSI.SYS driver
 MORIA v4.83 /G (C)87 Robert A. Koeneke
 Dungeons & Dragons game - Includes ZANSI.SYS driver

#878 ZBASIC Games

Great graphics and source code!

BLACK /B Z
 Blackjack game
 BLACK1 v1.4 /B Z (C)84 R. Sully
 Another Blackjack game.
 CHESS /B Z
 Play chess against the computer.
 SHUTTLE /B Z (C)83 T.R. Groff
 Land the space shuttle - could use instructions!
 SST /B Z (C) David Ahl
 Star Trek game
 KENO v1.56 /B Z (C)83 Tom Dornback
 Los Vegas Keno slot machine.
 DRAW POKER v1.108 /B Z (C)83 Tom Dornback
 Draw poker.
 THE15 v6.6 /B Z (C)83 Tom Dornback
 Move blocks to numeric order
 WORDS v6.18 /B Z (C)83 Tom Dornback
 Word search puzzle game.
 Mods '83 Frank P. Rogers

#879 OPS: AIRLIFT /Z (C)87 AVES*

STARFIRE /Z (C)87 AVES*
 Arcade Style Games *Audio Visual Entertainment Software
 AIRLIFT.COM Assault helicopter game.
 STARFIRE.COM Pilot emergency shuttle.

#880 STARHAWK /Z (C)86 AVES*

Arcade Style Game *Audio Visual Entertainment Software
 STARHAWK.COM Pilot a space fighter.
 JMOUSE.COM /Z Joystick device driver
 ZMOUSE1.COM /A Z Uses mouse w/Z-100 J1 port
 ZMOUSE2.COM /A Z Uses mouse w/Z-100 J2 port

```

=====
VOL#  NAME      /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)
=====

```

```

#881  SILENT RUNNER /Z      (C)86 AVES*
      Arcade Style Game      *Audio Visual Entertainment Software
      SILENT.COM              Run obstacles to collect gold.
      ZMOUSE1.COM             /A Z    Uses mouse w/Z-100 J1 port
      ZMOUSE2.COM             /A Z    Uses mouse w/Z-100 J2 port

```

```

#882  QUIZZER v1.02 /P Z    (C)86 USAF Academy
      Delivers multiple choice test questions, comprised of:
      QUIZMAKE                Makes question database for instructor
      QUIZZER                  Delivers questions to students
      QUIZPRNT                 Makes printed tests and answer keys

```

```

#883  Monopoly Game
      MONOPOLY v6.7           /I      (C)87 Don Phillip Gibson
      TurboPascal version of Monopoly

```

```

#884  Z-100 Games  /B Z    (C)89 Wojtek Bok
      CODE                    Guess the hidden colors
      DROPMAN                  Guess the hidden word or phrase
      MAZE                      Travel a maze while killing snakes

```

```

#885  Adventure Games
      ADVENT                   /Z      (C) W. Crowther & D. Woods
      Mod vers. of Colossal Cave; H/Z vers: B. Barnes & D. Sandage
      ADVENT                   /Z      (C) Jerry D. Pohl
      Another version in a cave.

```

```

#886  ZCHESS       /Z      (C)86 Roger J. Patterson
      Z-100 chess game, from beginner to tournament level.

```

```

#887  Word Puzzles /Z      (C)83 William N. Tavalga
      Word puzzle aids:
      ACROBLD v4.0             Creates acrostic word puzzles
      ACROSTIC v5.0            Acrostic word puzzle aid
      ANAGRAM                   Anagram solving aid
      CRYPTAID                  Cryptogram solving aid
      PROWORDS                  Menu pgm for the word game aids
      XWORD v3.5                Creates crossword puzzles

```

```

#888  PC Arcade Games
      PANGO                     /I
      Kick blocks around to squash bees.
      SOPWITH                   /I      (C)84 Generic Software Place
      Fly WWII airplane in enemy territory.
      XTETRIS v2.0             /I      (C)89 Daniel Singer
      Arrange the falling shapes.

```

```

#889  PC Games for Z-100
      BEAST                     /I      (C)84 Dan Baker
      Kill the hatching beasts.
      CASTLE                    /I      (C)85 Kevin Bales
      Escape from a deserted castle w/treasure.
      KILLER                    /I
      Zap the killer bees.
      NEMON                     /I      (C)80 Ron Dubren,
      Search the catacombs of Nemon      Fred Speckman & Pat Dubren
      PAC-GAL                   /I      (C)82 Al J. Jimenez
      PAC-MAN style game.
      SNEESNOO SNAKE v3.1       /I      (C)87 Bruce L. Rosenberg
      Catch the snakes in a bag.
      XONIX                     /I      (C)84 Ilan Rav & Dani Katz
      Finish a line before it is hit by a bouncing ball.

```

```

#890  Railroad Game /I      (C)84 Lewis Software
      PC Railroad game w/several layouts.

```

```

=====
VOL#  NAME      /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)
=====

```

```

#900 SERIES:          Z-100 LIFELINE TEXT BACKUP
=====

```

VOL#	Z-100 LIFELINE TEXT	ISSUES:
#900	1994 LifeLine Text	#31-36
#901	1995 LifeLine Text	#37-42
#902	1996 LifeLine Text	#43-48
#903	1997 LifeLine Text	#49-54
#904	1998 LifeLine Text	#55-60
#905	1999 LifeLine Text	#61-66
#906	2000 LifeLine Text	#67-72
#907	2001 LifeLine Text	#73-78
#908	2002 LifeLine Text	#79-84
#909	2003 LifeLine Text	#85-90
#910	2004 LifeLine Text	#91-96
#911	2005 LifeLine Text	#97-101

Note: Each year above fit on 5" DSDD Floppy. Since then, the issues became more sporadic and we used 3" disks for our text backups. Finally, with issue #125, we went with full color pictures and graphics and file sizes exceeded what could be saved to floppy. The issues have been added to the Z-100 LifeLine Website and may be found there for download.

```

#912  LifeLine text, issues:      #102-111
#913  LifeLine text, issues:      #112-123

```

```

#950 SERIES:          Z-100 LIFELINE FREE DISK SERIES
=====

```

VOL#	Z-100 LIFELINE FREE DISK SERIES:
#950	1996 Early Bird Disk (HELLO.SCN)
#951	1997 Early Bird Disk (FROGMATH.BAS)
#952	1998 Early Bird Disk
#953	1999 Early Bird Disk (ZMOUSE)
#954	2000 Early Bird Disk (PAINT100)
#955	2001 Early Bird Disk
#956	2003 Christmas Disk
#957	2009 Free Disk (RATMAZE.BAS)

KEY :

SA (Source availability)
BLANK - Source not included
A - Assembly language
B - BASIC
C - 'C' language
F - Fortran
P - Pascal
V - Various languages
\$ - Avail at extra cost from publisher

SYS (System)
CPM - CP/M Operating System
G - Generic MS-DOS computer
I - IBM PC-clones or compatibles
 (Req's Z-100 PC-emulator; either:
 Gemini, EasyPC, or
 Scottie Card & ZPC)
W - Windows PC
Z - Z-100 computer

~~~~~  
VOL# NAME /SA SYS AUTHOR  
DESCRIPTION (ADDL INFO, REFERENCES)  
~~~~~

~~~~~  
VOL# NAME /SA SYS AUTHOR  
DESCRIPTION (ADDL INFO, REFERENCES)  
~~~~~

=====
ORDERING INFORMATION: This CD-ROM was presented to all subscribers of the 2005 "Z-100 LifeLine". However, additional CD-ROM disks or individual programs are available for the following fees:

=====
If you have any questions or comments, please email me at:
z100lifeline@swvagts.com

- * Individual 5-1/4" DSDD 360K floppy disks or 3-1/2" HD disks: \$5.00 for the first disk, plus an additional \$2.00 for each subsequent disks of the same order.
- * Entire software library on CD-ROM: \$20.00

Cheers,



Steven W. Vagts



Notes:

- Since the Z-100 has NO CD-ROM capability, a PC-compatible computer with a CD-ROM drive is necessary to transfer the programs to a floppy drive format usable on the Z-100.
- The fees given above include shipping charges within the United States only. Checks must be in U.S. dollars and made payable to "Steven W. Vagts". Sorry, I cannot accept credit cards or PayPal.
- This is an extensive Library and is offered as a service to Z-100 Users.
- As such, the software has NOT BEEN TESTED. There are no warranties or guarantees that the software will work after you receive it, but I will replace disks again, in the event of postal damage.
- Thank you for your support.