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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		
	ZZIP v2.1	/G	(C)89 Kelly Stanonik (KMS)
	Archive file format conversion program to ZIP format.		
	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 program		
	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		

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	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
#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
	DTA v1.7	/Z		(C)Eric Meyer	HIDEDIRS.ZIP
	HIDEDIRS.ZIP	/Z		(C)85 Tom Neff	MDH
	MDH			Make a hidden directory	CDH
	CDH			Change to a hidden directory	RDH
	RDH			Remove (delete) a hidden directory	LF29 v2.9
	LF29 v2.9	/Z		(C)85 Windspear SW Sys	LS
	LS	/C	Z	(C)84 Ed Nather	NDIR v2.0
	NDIR v2.0	/Z		(C)84 C.R. Wyss	

VOL#	NAME	/SA	SYS	AUTHOR	DESCRIPTION (ADDL INFO, REFERENCES)
	SD v5.8	/Z		(C)88 John Stetson	TREEDIR
	TREEDIR	/C	Z	(C)84 Alan Losoff	ZD.ASM Vs 2.52
	ZD.ASM Vs 2.52	/A	Z	(C)90 Jeff Kalis	ZSD v2.1
	ZSD v2.1	/A	Z	(C)85 Les Bordelon	
#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 Dvlpmnt 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 & DAC Micro Systems
	Documentation			
#116	Overview			
	OVERVIEW v2.20	/I		(C)88 James Mathews & Blue Sky Software
	File Maintenance Utility			
#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 & Patrick Swayne, HUG
	HFM v2.0	/A Z		
	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 & Applied Foresight Inc.
	File Database package			
#150 SERIES:	DISK UTILITIES:			
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#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			

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	DC	/C Z		(C) William Lindley
	Compares 2 different directories			
	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			

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#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 HUG Disk Utilities /A G Various authors

Useful Z-DOS/PC-DOS utilities, including source code:

FONTED.EXE Compiled vers of FONT editor

IBM.CHR Replacement ALTCHAR.SYS

H19.CHR Replacement ALTCHAR.SYS for Z-100 only

DIR150.COM File lister for PC-DOS

PDIR.COM Sends list of files to printer

DISKID.COM Saves volume # and disk label to IDENT.SYS file

IDENT.SYS File created by DISKID.COM

SCRNCLK.RED Digital clock display in upper right corner of screen

SCRNCLK.WHT Same as red version

CLOCK.COM Turns clock display ON/OFF after SCRNCCLK installed

DATETIME.COM Displays system clock date & time

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SEE.COM Another file viewer

ONECOPY.COM Single drive file COPY utility

SWAP.EXE Console swap pgm with another external terminal

ERA.COM Erase DOS files; similar to DEL for CPM users.

ZBREF.COM Variable cross-ref util for ZBASIC or GWBASIC

BRNCHREF.COM Util to list all branch BASIC pgm statements

ASM.BAT Batch assembler to create .COM programs

ASM2.BAT Same as ASM.BAT, but for later MASM versions

FASTIO.COM Speeds up all non-disk I/O

SETFAST.COM Enables/disables FASTIO

FIXPRT.COM Speeds up printer output under DOS v2.xx

COLOR.COM Sets text colors from system prompt

ATTRIB.COM Changes file attributes

WSCON.COM Converts a text file to WwordStar format

TAB2SPC.COM Expands tabs to spaces

#153 Program Patches

Patches to: /G Various authors

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

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

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**VOL# NAME /SA SYS AUTHOR**  
**DESCRIPTION (ADDL INFO, REFERENCES)**  
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#156 PC-DOS Utilities /G (C) T.A. Davis
 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 CWEEP215 DELBUT DELDIR
 DIPMEM DIPSET DIRARCH DISKPARK
 DISKSET ENVXPAND EXBAT303 FAKEY
 FASTBAT FSPOOL HELP HOTDOS
 KBFIX3 KEYDEF40 MEMSET MSPOL2
 PORTSWAP QA BATPARMS BOMBSQAD
 FILER32 FSD LIST60H NANSI
 NDOSEDIT NMI PUSHPOP REDEFINE
 RENDIR SCAN SCAV23 SDPC52
 SST SUPRTREE SWPTR TREEDIR
 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
 BACKSCRL 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
 DESKMATE A TSR SideKick lookalike for DOS
 DOSEDIT DOS command line editor
 EASY-ZAP Disk file editor
 PCWINDOW A TSR SideKick lookalike for Windows
 PROTECT Files cannot be erased
 UNPROTECT Files can now be erased
 ST Improved TYPE command
 UNDEL A floppy un-eraser
 UTIL File utility
 VF150 V-FILER for Z150 (C)84 Mike Nice
 WSCONV Converts WordStar files to ASCII
 Z Directory utility

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#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 EGACOSET 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

#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
 BAT2EXEC 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
 HUGEALC 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

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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
 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

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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
 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

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WINTIDY      Keep Program Manager organized
WPRINT       Easy text/bitmap printing
WTIME        Synchronize PC clock to ACT
XCLOCK       Show different time zones w/alarm

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#166  UCI Utilities      /Z      (C)86 UCI Corp.
      96TPI Drives
      Key Utility
      Video Test

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

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#200 SERIES: COMPUTER CONTROL:

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#200 Screen Control Utils

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CRTSAVE      /A Z    (C) Paul Herman Mod
Simplified vers of SCNSAVE
CRTSAVER     /A Z    (C) Bob Brasefield
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
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

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#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

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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)

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#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 simulator (RD Software)
Old HUG #885-8043-37
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
VERN.ZIP     /AB Z    (C)87 Vernon Reisenleiter
BRUSH       Compiled BASIC demo pgm
ZPEN v1.2   Light Pen resident support

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#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

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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 useage 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

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
 Creates help screens & George C. Crawford
 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:
 INTERRUPT.1ST Introductory file
 INTERRUPT.A INT 00 thru INT 1F
 INTERRUPT.B INT 20 thru INT 3F
 INTERRUPT.C INT 40 thru INT FF
 INTERRUPT.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

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#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 factorals 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
 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.


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#211A  PSC-100 Software
PSC-100           /BPA Z   (C)90 Gernware Enterprises
Sound board support files.

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#211B  PSC-100 Demo Disk /BPA Z   (C)90 Gernware Enterprises
PSC-100 Sound & Control

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#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

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#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

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#214   GEMASGN v1.01 /Z       (C)85 J.J. Thompson
Gemini partition assignment utility to permit
access from Z-DOS side of drive.

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#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.

```

```

#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

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

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#218   MasterMenu /Z          (C)90 Thomas J. Zuzack
Z-100 Master Menu utility

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#219   CRTSAVER /A Z         (C)88 Bob Brasfield
Z-100 screen saver w/mods by V. Reisenleiter

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

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#230 SERIES:      PROGRAMMING & DIAGNOSTICS:
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#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 Flanagan
CPU identification program
HEXGEN.BAS       /B Z   (C)83 John Stetson
ZBASIC HEX to COM/EXE to HEX conversion
HEX-CALC.BAS    /B Z   (C) Ken Christopher
Hex Table
IBM2Z100        /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
Renumber .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

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```

#231   Program Development Utilities
APMOID          /A Z   (C)90 Pat Swayne, HUG
APNOID2         /A Z   (C)90 Pat Swayne, HUG
Z-100 Breakout programs
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.

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

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#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
Easy PC 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)

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#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.
      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.

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#236   Hard Disk Info           Various authors
      DRIVE.LST       /G
List of hard disk drives
      DRIVES.ZIP      /G
Differences between RLL & MFM drives

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      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'.

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

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#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
      TRAPINTO V4.05
      TRAPINT1 V3.10
      VERIFY v1.01, v2.12, v2.16, v3.10

```

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#239   Assembler/Disassembler
      CHASM           /I        (C) David Whitman
Small Assembler program
      ASMGEN          /I        (C) J. Gersbach &
A disassembler program                               J. Damke
      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

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#240   HEPCAT                 /Z        (C)87 Patrick Swayne
      HUG Engineers' & Old HUG #885-3045-37
      Programmer's Calculation Tool

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```

#241   HADES II               /Z        (C)89 Jim Buszkiewicz
      HUG absolute Disk Old HUG #885-3040
      Editing System

```

#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
      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

```

```

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

```

```

#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
      TEKPLOT    /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

#255A  CP/EMulator /Z       (C)86 Patrick Swayne, HUG
      Z-100 ZDOS Only
Old HUG #885-3007-367

#255B  CP/EMulator II /Z       (C)86 Patrick Swayne, HUG

```

#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

```

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

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```

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   SIDEWAYS v3.52 /G       (C)86 KUG
      Prints files sideways, plus other 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
      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

```

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

#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	TYPRIT13		

#307 Citizen GSX-140/145 /G (C)90 Citizen America Group
24-pin, color dot matrix printer technical reference utility.

#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
MICROTERM v1.4 /Z (C)82 Micro-Systems Software
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
TT /Z (C)85 Magicsoft
Xmodem transfer time program
ZYAM v4.27 /Z (C)84 Chuck Forsberg &
Modem (serial only) Comms pgm Bruce Stock
Z100RBBS /B Z (C)82 C. McCurry &
ASCII Data/Pgm File Transfer Util Bill Taylor

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

#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

ANSI-SYS.DOC /Z (C)85 Barry Simon
Using your ANSI.SYS device driver
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
Z12MDRIV.DOC /Z (C)88 Al Holecek
Installing 1.2meg drive on 8" connector

```

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

```

#502 LLSCSI/EEPROM BOARD FILES

(C)87 Paul Herman, Travis Barfield, Robert Hassard
Robert Donohue, William Flanagin

```

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 Various authors

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  UPLOT.BAS     VERSION
WAVE-G.BAS    YCALC.BAS    YZHT-S.BAS    Z-INV.T.BAS

```

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

#553 Elect Design Utils /B P I Various authors

Electronics design utilities written in Microsoft MBASIC

Files on disk include:

```

HELICAL.ASC  HELICAL.DOC  HELICAL.TXT

```

```

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

```

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 H/Z-100 and H/Z-89/90 computers using the
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 Various authors

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

```

#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

VOL#	NAME	/SA SYS	AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)			
	PROGNOTE.DOC	/Z	(C)90 Rik Gugeler
	Assembly language tips		
	8088ASM.DOC	/Z	(C)90 William Lindley
	Notes on 8088 assembly programming		
	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 Disasmbly	/A G	(C) Don Jindra,
	Inner workings of MS-DOS 2.1 Information Modes		
#605	TASM301	/Z S	(C)92 Thomas Anderson
	Cross Assembler from Speech Technology Inc. (Z-100LL #50)		
	BOOZ.EXE		Archive extractor (ZOO format)
	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		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
	CRTSAVER		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

VOL#	NAME	/SA SYS	AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)			
	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		
	BATTLSHP v2.03.83	/B Z	(C)83 Gerry Kabelman
	Sea battle game		
	BLACK	/B Z	
	Blackjack game.		
	BLOCKADE	/B Z	(C)83 B. Couchey &
	Blockade game		C. Cleveland
	CRAPS	/B Z	
	Popular Dice game		
	ELIZA	/B Z	
	Psychoanalysis program		
	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		

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

VOL#	NAME	/SA SYS	AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)			
	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	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
	SQRSPIRL		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
	PRIMES		Calcs prime numbers
	RADIX		Converts #s between two radix
	TYPETUTR		Typing tutor program
	X80TO86		8080 code to 8086 code
	X80TOZ80		8080 code to Z80 code
	ZMORSE		Morse code simulator.
	ZTEK		Tektronix 4010 terminal emulator

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**VOL# NAME /SA SYS AUTHOR**  
**DESCRIPTION (ADDL INFO, REFERENCES)**  
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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 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 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 positon of Halley's Comet
MADA	#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
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

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**VOL# NAME /SA SYS AUTHOR**  
**DESCRIPTION (ADDL INFO, REFERENCES)**  
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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 RANDEMOS
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
RANDEMOS	#12	Random file database series
RANINDEX	#13	Indexing program for RANDEMOS
RENUM	#9	A BASIC renumber pgm
RETIRE	#11	Calculates retirement income
STACK	#10	RANDEMOS demo pgm
SCREEN	#11	RANDEMOS 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
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


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**VOL# NAME /SA SYS AUTHOR**  
**DESCRIPTION (ADDL INFO, REFERENCES)**  
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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
 RANPRINT2 #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
INSERT1	#22	A sort on input demo program
INSERT2	#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
RANPRINT2	#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
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

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

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

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

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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       DSKCLEAN         Spins disk drive for cleaning
EFORMAT        Expanded disk DIR program
ELLIPSE        Plot an ellipse - MATH
FIL-PEEK
FILESORT       Sort disk directory
FINANCE        Present value of load
FONT-ED        Font editor, DOS vs1.2x
FUNCTION        Function generator - MATH
GAS            Track car's expenses - not done
GOLF           Play a game of golf - GAME
GR-RATE        Growth rate
GRUMP          Screen dump for Prism printer
HEAPSORT       Sort via char/num string
HOUDINI        The computer guesses a #
INDECODE       Bazer's crypto-system
INVEST         Investment counselor
KP             Reset function keys
L-DIPOLE       Compute di-pole HAM ant. length
LEARNING       Teach computer about...
LEM            Lunar excursion GAME
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!

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VOL#   NAME           /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)
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PRIME-NO       Calculate prime numbers
PRNTMAZE       Generic maze generator
PRORITER       C.Itoh 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

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#638  NOHUG Disk #3 /B Z   Various authors
      BASIC Programs and Graphics

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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
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

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

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
 RELAAAX Relaxation Program?
 RNDCLKLOCK 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 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
 HYPOCYC & Graph Hypocycloids
 HYPOTEST Optical illusion
 ILLUSION
 JUSTIFY & Right justifies printer output
 JUSTIFY2
 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

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

PRDATA Prints records w/absolute posit
 PRISMAMP IDS Prism screen dump
 SAT-LOC Geosynchronous Satellite Locator
 SCRNAL 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 Various authors
 BASIC Programs and Graphics
 CAL-MGR Menu module for calendar programs:
 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
 DIRECTRY 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
 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.

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VOL#  NAME      /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)
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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 Homebrew graphics editor.
PAINTER.EXE
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
DANCHR.CHR  Replacement character set.

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#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    XROT    YROT

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#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  FORTRANS GAMEMENU  GARFIELD
GOLF      GRAPHMEN  HANGMAN  HISTOGRM
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

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#645  ZBASIC CAD Demo
CADDEMO.BAS /B Z  Author unknown
Sales pitch from Northwest Data Corp.

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#646  GWBASIC GrafX /B I  Authors unknown
BANNER.BAS  TABLET.BAS  ETCH22.EXE  PCPG.EXE
HDRAW.BAS  MDRAW.BAS    3-D.EXE     SHOW.EXE

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VOL#  NAME      /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)
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#647  ASIC v1.0      /I      (C)89 David Visti
      "BASIC" language compiler

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

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

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#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

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      FGREP              /C Z    (C)84 Geoff Whale
Similar to UNIX version - searches for a string

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      FLIPSCRN           /C Z    (C)86 William N. Locke
Demo of video memory page flipping

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      KS                 /C Z    (C)84 J. Littlefield &
      Klondike Solitaire card game (C) J. Steeger

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      LIB                /Z      (C)84 J. Littlefield &
      Graphics lib (for DeSmet 'C') (C) J. Steeger

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      LIFE              /C Z    (C)87 H.L.Conway (TPASCAL)
      Game of LIFE (C) Greg Elder (C version)

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      MOUSE            /C Z    (C) R.M. Dodds, Paul Herman
Microsoft 'C' Mouse Call Lib

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      TAIL              /C Z
Display last part of file

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      TICTACK          /C Z    (C)79 Leon Solman
TicTacToe game

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      WC                /C Z
Counts line, words, or paragraphs in a file

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      ZTC15.TXT        /Z      (C)88 Bruce Stock
Routines for using Turbo C

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      Z44TEXT          /C Z    (C)88 James R. Van Zandt
Displays 44 lines on the screen, using interlace mode

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#653  UNIX Library and Shells
      UNIXLIB           /C Z    (C)90 Jim Knudson
UNIX Funcs for CI-C86 Compiler

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      UNIXSHL1 v1.3    /C Z    (C)85 Kent Williams
Unix Shell for Aztec C

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      UNIXSHL2         /C Z    (C)85 Douglas Orr
Unix Shell for Microsoft C

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#660 SERIES:      PASCAL LANGUAGE:
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#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)

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#661  TurboPascal 3 (C)88 Gernware Enterprises
      Z-100 Turbo Pascal V3 Graphics & Support

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      CRASH.PAS        /P Z    Demos video flash bits
      GRPHDEMO.PAS     /P Z    Demo pgm

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      GRAPHTP.ASM      /A Z    Creates GRAPHTP.BIN
      HCALC.PAS        /P Z    Powerful Calculator

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      *.INC            /P Z    Plus 64 Pascal procedures

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VOL#  NAME      /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)
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#662 Turbo Pascal Games & Mouse Call Library

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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

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#663 NOHUG Disk #7 /P Z Various authors
PASCAL Programs and Utilities

ALPHA	ALPHABET	ALPHATIZ	AMORT
AMORT2	AMORTIZE	AVERAGE	BIN
BINARY	BLOCKLTR	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
DIFFERNC	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	READHED
READINT	READREAL	REMINDER	RETRIEVE
ROMAN	SALESTAX	SIEVE	SIN-COS
SPACENUM	SQRTEST	SQUARES	TEMPTURE
TEXT	TEXTEDIT	TICKTACK	TOGGLE
TRIGTEST	TRIPPLAN	UNDERLIN	

#664 NOHUG Disk #9 /P Z 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			

#665 Turbo PASCAL /G (C)85 Lyle Fautot
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:

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Currently vacant

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VOL#  NAME      /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)
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#680 SERIES: FORTH LANGUAGE:

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#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:

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#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 JOVEZ100 /C G (C) J. Payne, K. Mitchum
JOVE Emacs type text editor

#702 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		
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		

VOL#	NAME	/SA	SYS	AUTHOR
	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 function keys			
	VDE v1.54	/P		(C)91 Eric Meyer
	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	WStar Connection	/Z		(C)89 Patrick Swayne
	Permits running PC version of WordStar Prof v4.0, 5.0 or 5.5 on a native Z-100.			Old HUG #885-3047-37
#708	PILOT v1.09	/Z		(C) Clarkson University
	A Q&A authoring system			(C)83 Virtual Systems Software
	PILOT.EXE			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
	CONFGAL.DOC			
#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

VOL#	NAME	/SA	SYS	AUTHOR
#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
#714	WPVIEW Graphics & Image Viewer			
	WPVIEW	/I		(C)89 Premiere Software
	Word Perfect v5.0 graphics viewer + 72 graphics images			
#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 & Greg Elder
	Display Month/Year Cal			
	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			
	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			

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**VOL# NAME /SA SYS AUTHOR**  
**DESCRIPTION (ADDL INFO, REFERENCES)**  
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#801 Computer Aided Instruction

BASIC programs are: /B Z 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 co-ordinance
 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 wind chill 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
 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 Epicoids
 FORMULAS Electronic Formulas Calc pgm

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**VOL# NAME /SA SYS AUTHOR**  
**DESCRIPTION (ADDL INFO, REFERENCES)**  
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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 Calculate 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 function plots
 VECTORS Colorful circles - MATH

#804 HAM Radio Utilities

BASIC.ZIP: /B Z ZBASIC pgms fm New Orleans HUG
 CLOCK Sidereal time clock w/adj Lat/Long
 DUPE-LOG Keeps Callsign log/duplicate checker
 DX-CLOCK Sidereal 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 communications control program

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

#805a World Map Data, DOC & programs
 #805b World Map Data, Coordinate 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 program (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
 HOMEBASE v2.14 /I \$ (C)87 Brown Bag Software
 Shareware; DOS services, database, calendar/appt book, etc.

#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

VOL#	NAME	/SA	SYS	AUTHOR	DESCRIPTION (ADDL INFO, REFERENCES)
#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			(C) Unknown author	
	Legal/Bus Forms	/G			LEGAL and Business Forms
#813	Home/Business Utilities			Various authors	
	BASIC.ZIP:	/B	Z	ZBASIC Utilities	
	ACRS				Depreciation (ACRS) program
	BIORYTHM				Calculate & 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				File sort 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 program; 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
	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

VOL#	NAME	/SA	SYS	AUTHOR	DESCRIPTION (ADDL INFO, REFERENCES)
	ZIPCHECK				Checks for valid ZIP codes
	Z-BASE				Dbase sys; Mark Pelczarski Z-100 vers, Ken Christopher
	Z-CHECK				Keeps checks; (C)Jeffrey 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, Buttonware	
	Database manager program				
	PC-GRAPH v1.0	/I		(C)85 Jim Button, Softek	
	Plots Database information				
#818	DATASCOPE v1.10a	/I		(C)90 Paladin Software	
					DATASCOPE serial comms analyzer
#819	Home Lawyer v1.0	/I		(C)90 Overdrive Systems, Inc.	
					Home Lawyer program
#820	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


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#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
PRTSALES	SALES	SORTINV	STMT
GETMEMO	MEMORPT	PAGETOP	DUMDRIVR
PACKFILE	TEST2	MAIL	GETTY
WORDWRAP	COLOR	DBS	DBSWEEP
DTUNEP	DUPES	INDXCARD	MEMDUMP
MNTSORT	REPORT	CATALOG	MENUSYS
DISPNDX	FCPO	DEMO	DEMOSSET
KEYSET	KIT		

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

#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?

#828 Brown Bag Util /I \$ (C)88 Brown Bag Software
 Shareware utilities, including:
 PC-Outline v3.34 An outlining & planning program
 MTCONV.EXE Converts outline into structured file format
 Power Menu v2.15 Menu program
 Mind Reader v2.0 Text editor w/address book, glossary & calculator
 RAM Test v3.0 Comprehensive RAM test program
 Goal Seeker v3.4 Does reverse search on spreadsheets
 GLOBAL.COM Execute DOS function on entire directory tree

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CPY.COM Backup files to multiple floppies
 DIRS.COM Gives total disk space used by set of files
 MOVE.COM Move a file between directories w/o file copy
 MFM.COM Shows amount of a disks free memory
 BEEP.COM Generates a beep
 PUSHDIR.COM Saves current directory from a batch file
 POPDIR.COM Restores the current directory from PUSHDIR

#830 SERIES: GRAPHICS:

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#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 v3.0 /Z (C)85 USAF Logistics Cmd
 Slide show graphics package

#833A CHART v3.12 /Z I (C)85 Greg Frey & Tom Gage

#833B 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 /PF Z (C) Clarkson University
 Fortran, Pascal Graphics Lib

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#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>:
 BULLWNKL.PIC 481x180c: Bullwinkle & Rocky Raccoon
 BUNNYS.PIC 638x193c: Cartoon bunny rabbits
 CABBAGE.PIC 397x117c: Cabbage Patch Kids logo
 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
 BABYS.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)

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PAINTPRO.COM P.Apprn (HiRes PROSCAN Vid 640x480)
 PAINT.PRI Prntr 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
 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
 CLSnn.ASM /A Z (C) DJ Delorie
 PSETnn.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 PUT512
 BYTE2BIT.EXE Convert 1 b/p to 3b/pixel map
 BYTE4BIT.EXE Convert to 4 bits/pixel map

VOL#	NAME	/SA	SYS	AUTHOR	DESCRIPTION (ADDL INFO, REFERENCES)
	EXPAND.EXE				Enlarges width of pixel maps
	FRACTAL.EXE				Calculates Mandelbrot set
	JULIA.EXE				Julia set calculation
	PUT512.EXE	/Z		(C)86 Bruce Stock	
	Display Z-100 bit-map images				
	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 v1.20	/I		(C)88 George Freund	Graphic drawing utility 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	Graphics Viewers			Various authors	
	CHKPIC v1.00	/G		(C)87 Keith P. Graham	PC graphics file identifier.
	2PCX	/G		(C)90 Catenary Systems	Convert pix file fm GIF, TIF or PIW formats.
	TBSLIDE	/G		(C)90 Catenary Systems	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 Wolfgram & 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.			

VOL#	NAME	/SA	SYS	AUTHOR	DESCRIPTION (ADDL INFO, REFERENCES)
	WHATCLP				Gets size & color of PCPAINT PLUS clippings.
	ALLFADES				Demonstrates fade capability of GRASP.
	WOW				A menu system for starting GRASP.
#850	PictureThis v2.00	/I		(C)89 Patricia Williams & Gregory Williams	Graphics Drawing Program.
	PICTHIS	PictureThis "Shareware" version.			
	CAPTHIS	CaptureThis screen capture program.			
#851	Graphics Works v3.4	/I		(C)89 Alchemy Mindworks, Inc. & PC-SIG, Inc.	Graphics drawing utilities:
	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	/I		(C)89 Bob Berry & Canyon State Systems	Displays GIF & RLE images in a show.
	GRABBER v2.20	/I		(C)87 Gerald A. Monroe	TSR screen-capture utility.
	SLIDE v1.1	/I		(C)88 DEXXA International	TIFF format slide show utility for PAINT IT!
#853	GIF Graphic Viewers				
	GREY v1.5	/I		(C)87 Michael Vigneau	Greyscale GIF decoder; works under ZPC.
	MVGAVU v2.2	/I		(C)89 Lawrence & Marvin Gozum	A GIF and BLD/PLT viewer.
	VUGIF v1.80	/I		(C)89 Offe Enterprises	GIF format picture viewer w/scaling options.
	VGIF v4.0	/I		(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	/I		(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	KEYDRAW v2.1	/I		(C)84 Edward H. Kiders IV	Keyboard screen drawing, printing & slide show for PC
#857	Easy Presentation Graphics				
	EPG v2.04	/I		(C)88 Brown Bag Software	Easy Presentation Graphics Demo
#858	Captain Klutz	/Z		(C)90 Lee Hart	Adventures of Capt. Klutz comic-book-like slide series.
#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 v2.00	/I		(C)88 Poisson Technology	EGA/CGA Graphics drawing program
#861	PC-ART v4.00	/I		(C)88 Paul Michael Stone	Color graphics drawing program.
#862	PrintShop Grafx	/I		(C)90 Software Labs	PrintShop Graphics Library (Disks #3 and 4)

VOL#	NAME	/SA	SYS	AUTHOR	DESCRIPTION (ADDL INFO, REFERENCES)
#863	FONTRIX v2.5	/I		(C)85 Data Transforms, Inc.	Graphics drawing utility
#864	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.
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.

VOL#	NAME	/SA	SYS	AUTHOR	DESCRIPTION (ADDL INFO, REFERENCES)
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.
#865	HiRes Fractal Demo	/Z		(C)86 Village Software	Demo for Z-100 using high resolution mode.
#870 SERIES: GAMES:					
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#870	Mouse Driven Games				- Games that use Mouse Input
	BTTLSHIP	/P G		(C)89 Keith Greer	Popular Battleship game
	DICES1 v2.0	/P		(C)88 Guy Hunter	Dice game
	DICES1Z v2.0	/Z		(C)89 Keith Greer	Z-100 mods to DICES1
	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				
	CHESS100 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	Mods by Gern 1990
	LORDSHIP v1.0	/Z		(C)86 Glenn Herrin	Dungeons & Dragons game
	Game of tactics & skill				
#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

VOL#	NAME	/SA	SYS	AUTHOR	DESCRIPTION (ADDL INFO, REFERENCES)
	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				Mods '84 Henry B. Cohen
	KENO v1.56	/B	Z	(C)83	Tom Dornback
	Los Vegas Keno slot machine.				Mods '83 Frank P. Rogers
	DRAW POKER v1.108	/B	Z	(C)83	Tom Dornback
	Draw poker.				Mods '83 Frank P. Rogers
	THE15 v6.6	/B	Z	(C)83	Tom Dornback
	Move blocks to numeric order				Mods '83 Frank P. Rogers
	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
#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

VOL#	NAME	/SA	SYS	AUTHOR	DESCRIPTION (ADDL INFO, REFERENCES)
#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				
	FRAC	/I		(C)90	Simsalabim Software
	Three dimensional falling block game.				
	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.				
	MAZE	/I		(C)83	Donovan W. Foster
	AmazingMaze v1.2				& Headlands Press, Inc.
	Maneuver a ball through a maze w/o touching a wall.				
	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.				
	QUBERT	/I		(C)83	Bill Piazza
	"Bert and the Snake" 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.				

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VOL#  NAME      /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)
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#891  More PC Games for Z-100
      Req's <8Mhz PC-clone or Z-100 w/PC-emulator
      STRIKER      /I      (C)85 Derek Williams
Fly a helicopter on missions.
      KAMAKAZE     /I      (C)82 VeriSoft Works
Space game - Difficulty getting to work.
      ROCKETS      /I      (C)80 Welcom Systems
Space game - Difficulty getting to work.
      SPACEWAR v1.50 /I      (C)85 B. Seiler
Another space game.

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#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

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VOL#  NAME      /SA SYS  AUTHOR
DESCRIPTION (ADDL INFO, REFERENCES)
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- I** - IBM PC-clones or compatibles
(Req's Z-100 PC-emulator; either:
Gemini board, EasyPC system, or
Scottie Card & ZPC)
- W** - Windows PC
- Z** - Z-100 computer

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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:

* 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

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 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.

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If you have any questions or comments, please email me at:

z100lifeline@swvagts.com

Cheers,



Steven W. Vagts
Editor, "Z-100 LifeLine"

