

## Z-100 LifeLine Index of Magazine & Periodical Articles

Good news! I have updated the *Z-100 LifeLine* Index to include all the articles to the present. I have also finally completed an Index to *REMark* Magazine. So the Index available here now covers *Z-100 LifeLine*, *REMark* Magazine, and all 40 issues of *Sextant* Magazine.

### Notes:

- This is not a complete index to the periodicals listed, but rather an index to material that may be relevant to the Z-100 series computer, including hardware, software, and topics of general interest. Therefore, this Index does not generally include computers earlier than the Heath/Zenith -88 (H-8), nor computers later than the Heath/Zenith-150/160 (Z-100PC) computers. I included the H/Z-88-90 series because much of that software could be run on the Z-100. I also included the H/Z-100PC computers because much of that software could also be run on the Z-100, either in the 'Native' Mode or in the 'PC' mode, using a PC emulator. Computers following that series were nearly completely PC-clones with little in common with the computers of interest, so they were omitted. Also not of interest to our needs, Amateur Radio, Bulletin Board, 'Hero' Robot, and other similar topics were not included. Sorry. As you will see, the Index presented here is already huge!
- Please note: MS-DOS for the Z-100 in native mode is now referred to as Z-DOS, but should NOT to be confused with the original ZDOS v1.0 for the Z-100. MS-DOS for the Z-100 PC and the Z-100's PC emulator software is now called PC-DOS.
- As I mentioned, the indexes for the three main Z-100 Periodicals have been combined. There is now a letter that precedes the issue number: "**L**" is "*Z-100 LifeLine*", "**S**" is "*Sextant*" Magazine and "**R**" is "*REMark*" magazine.
- I have also eliminated the Alphabet Menu used on the previous Earthlink website. I have found that because this index is so huge, I had to refer a person to other topic headings, causing a lot of unnecessary redirection to other letter sections. Using the WordPad document provides the search, scroll, and print capability of the entire document not provided previously.
- *Z-100 LifeLine* Note: This index is now current to Issue #128, July, 2019. Paul Herman, the initial editor of the *Z-100 LifeLine*, also had a Customer Newsletter during the same period that I kept with the LifeLines. These covered a few important subjects not covered elsewhere, so I have included these in the index as "**CN**" for 'Customer Newsletter'.
- *REMark* Note: Starting with "*REMark*", January 1984, Issue #'s changed to Volume numbers, and each new year started a new Volume with Issue #1! However, in February 1984, part numbers were listed on the cover and the last three digits were the actual Issue #. The issue numbers reappeared on the covers in April 1985, now using both number systems. Later, Issue numbers again disappeared occasionally. Therefore, to avoid confusion, I suggest you add the issue number to the cover of each issue that did not provide an Issue #.
- I can provide copies of all the articles mentioned here, so if there is something you need, please email me at:
- *Z-100 LifeLine* Email addr: [z100lifeline@swvagts.com](mailto:z100lifeline@swvagts.com)

Keyword	Issue#	Article
Ability	R83	"LeadEdge", W. Adney, WP, Spredsht, DBase Apps
ACCESS	R67	"Look at Software", W. Adney, ACCESS by Hilgraeve
ACCESS	S12	"Z-DOS Comms Roundup" by Frederick Zimmerman
ACCESS	S14	Ltr- Add'l comments regarding ACCESS
ACCESS	S17	"Z-100NB" by Alison Phillips, ACCESS, DOS comms
Addition	R49	"...Computer Can't Add", D. Pelowitz, binary numbers
ADDR Labels	R42	"Addressing Envelopes/Labels", C. Romer, BASIC pgm
Address Sort	S3	"The World's Fastest Sort?" by Rick Lutowski

Address Sort	S4	Ltrs provide add'l info on Fastest Sort
ADVENTURE	L64	"ADVENTURE Nostalgia, Curios, & HELP!" by Hank Lotz
ADVENTURE	R04	"Welcome to ADVENTURE", J.G. Letwin, Crowther, Woods
AIRLIFT	R95	"Z-100 Shoot'um Up", M. Elwood, Games
Algorithm	R46	"What's an Algorithm", J. McGraw, MBASIC
Alps Allegro	R132	"Alps Allegro Ptr Series", T. Bing, 24pin Dot Matrix
ALTCHAR.SYS	R72	"Anatomy of ALTCHAR.SYS", S. Howard, Z-100 Char Set
ALTCHAR.SYS	S15	"Teach Your Z-100 Greek" by Alan Moffet, char fonts
Alt CharSet	L105	"H/Z-100 Alternate Character Sets"
AMCALL/MCALL-II	S12	"Z-DOS Comms Roundup" by Frederick Zimmerman
Angel Prt Buffr	R50	"Using Angel Print Buffer", W. Adney, from Ligo
ANSI	R65	"ANSI, Std Screen Interface...", G. Roberts, H/Z Comp.
ANSI	R96	"LeadEdge", W. Adney, ANSI device driver on Z-100
ANSI 'C'	R110	"ANSI GrafX Header File...", S. Jacob, C, Z-100 & PC
ANSI Copy	L12	Q&A: I cannot copy ANSI.TMI? DOS sees ANSI special
ANSI Patch	R74	PPage- P. Swayne, Patch add'l char with Z-100PC DOS
ANSI Patch	R92	Ltr- Prob w/ANSI Patch, R. Brannock, remapping inop
ANSICON.DVD	L4	"Running InfoCom Games on Z-100" by R. Biggerstaff
ANSI.SYS	R132	"PowerUp", W. Adney, Using ANSI.SYS
ANSI.SYS	S38	"Control Screen Colors on '150" by Sidney Hack
Appendix I	L79	Insert: "Z-100 User's Manual", User Configurations
Appendix N	L81,82	Insert: "Z-100 User's Manual", Disassembly Procedur
APPLY Utility	S26	"Z-100NB" by William Locke, DOS' APPLY utility
ArtificialIntel	S3	"Experiment w/Artificial Intel..." by John Mays
ASCII	R87	"ASCII...", K. Mortimer, History and use of ASCII: American Standard Code for Information Interchange
ASCII	R95	"ASCII...", K. Mortimer, Extended Char Set and Use
ASCII Chart	L104	Insert: "DEC-OCT-HEX-BIN & ASCII/GrafX Chart"
ASCII Extended	S40	"Implementing Symbols for Math..." by Paul Heckert
ASCII->MultiPln	R54	"...Transfer ASCII Files Into MultiPlan:", K. Simmons
ASCII->Query!3	R95	"MBASIC Util Converts ASCII for Query!3, K. Thompson
ASGNPART	R112	BugZap, Pg 63, DOS2 ASGNPART won't assign drive D:
ASM COLOR	R64	"COLOR, ScnColor Setup...", G. Roberts, ASM, Z-100
ASM Course	R12	"Type My Name 10 Times", P. Swayne, Heath ASM Course
ASM CP/M	R38	"ASM For the Novice", R. Martin
ASM CP/M85 Pgmg	R45	"ASM in CP/M-85 with Z-100...", D.C. Shoemaker
ASM CRTSAVER	R54	"Advanced ASM, Z-DOS TSR Pgm", F. Clark
ASM CRTSAVER	R57	Ltr- Update on CRTSAVER, J. Lockett
ASM DIAL	R69	"Computer Aided Dialing...", R. Hirsch, Z-100
ASM Flags	R130	"Flags: A Tutorial", G. Hoellerich, Flag Reg, MASM
ASM Hex Output	R14	"Hex Output for ASM", C. Floto, HDOS ASM
ASM MBASIC	R64	"ASM Routines in MBASIC", R. Wrathall, CP/M, Z-89
ASM MBASIC	R69	"Load ASM Routines in MBASIC", M. Zapolski, CP/M, Z-89
ASM MOVCHR	R08	"MOVCHR" ASM routine, Pg32
ASM Pgmg	R11	"Do Your Own Thing", P. Swayne, Console I/O, HDOS, ASM
ASM Pgmg	R115	"Recycle 8086/88 ASM Code", G. Hoellerich, Procedures
ASM Pgmg	R118,120	"Get Start w/ASM, 1&2", P. Swayne, Fundamentals
ASM Pgmg	R121,122	"Get Start w/ASM 3&4", Flags, & Instruction Set 1 & 2
ASM Pgmg	R124,126	"Get Start w/ASM 5&6", Instruction Set 3&4
ASM Pgmg	R127	"Get Start w/ASM 7", Intro to I/O
ASM Pgmg	R128	"Get Start w/ASM 8", More ways to say hello
ASM Pgmg	R132	"Get Start w/ASM 9", Inputting from the keyboard
ASM Pgmg	R139	"Get Start w/ASM 10", Disk I/O, XFER copy pgm, STRIP
ASM Pgmg	S5	"Intro to CP/M for ASM Pgmrs" by J.C. Hassall
ASM Pgmg	--	Writing your own Print Spooler, see Print Spooler
ASM Pgmg	S8	"Getting into Z-DOS ASM..." by D.C. Shoemaker
ASM Pgmg	--	HDOS assembly program, see Screen Dump
ASM Pgmg	S17	"OFFLIN: Exercise in Z-100 ASM..." by William Hall
ASM Pgmg	S18	Ltr- Go OFFLIN with PASCAL easier
ASM Pgmg	S22	"Z-100NB" by William Locke, ASM 10 sec timer
ASM Pgmg	S28	"Set Epson Printer Functions..." by Richard Mueller
ASM Pgmg	S39	"Help '150 Recall Screen Display" by Sidney Hack
ASM ZDOS Pgmg	R48	"ASM on the Z-100...", series by D.C. Shoemaker

ASM ZDOS Pgm	R53	Ltr- Help from Author of "ASM...", D.C. Shoemaker
ASM ZDOS Pgm	R56	"Intro to ASM...", D. Shoemaker, 8088 MASM, ZDOS, Z-100
ASM HDOS Pgm	R46	"More ASM Pgm - HDOS", P. Hagan, Z-89
ASM MemMapVid	R51	"Pseudo Mem Mapped Video", F. Hochschild, MBASIC, HDOS
ASM PasswordPgm	R88	"Password Protect...", J. Kalis, PW in CONFIG.SYS
ASM Prime #s	R57,64	Ltr- Z-100 Bnchmark Primer, ASM Prime #s Pgm, R. Lafore
ASM Pgm	L119	Insert: "Recursivity & Assembler", Thierry Klein
ASM Pgm \$	L116	Insert: "Assembly Lang Pgm: The Dollar (\$) Sign"
ASM Start1	R39	"Get Started With ASM" series by P. Swayne, Z-89
ASM Start2	R40	Console I/O
ASM Start3	R41	HDOS Printer output
ASM Start4	R42	CP/M Printer Output
ASM Start5	R44	Programming Console I/O
ASM Start6	R45	Reading Disk Files in HDOS
ASM Start7	R46	Reading Single Disk Files in CP/M
ASM Start8	R47	More on Reading Disk Files in HDOS
ASM Start9	R49	More on Reading Disk Files in CP/M
ASM Start10	R54	"CP/M Rename Pgm Contest Winner", P. Swayne
ASM Start11	R54	"HDOS Rename Pgm Contest Winner", P. Swayne
ASM Advanced 1	R57	"Advanced ASM Pgm" series, P. Swayne, Long Rel Addr
ASM TxmitPage	R47	Ltr- An ASM PGM, T. Colman, TxmitLine/TxmitPage, Z-89
ASM TxmitPage	R50	Ltr- Corrections to TxmitPage/Line, G. Roberts
ASM Underline	R46	"Add Underline Char to ASM", C. Winchester, Z-89, HDOS
ASM.BAT	L63	"ASM.BAT & ASMCOM.BAT", Automate Assembly Batch Files
ASM <-> ZBASIC	R52	"ZBASIC Mach Lang Subroutines", R. Klopfenstein
ASM -->TPASCAL	R83	"Interfce ASM Gfx Routines to TurboPASCAL", R. DeBey
Assembler	L50	"TASM - Table Driven Cross Assembler" by T. Anderson
Assembly	L8	"Calling a Near Procedure from Afar"
Assembly	L36	Insert: "May I Introduce Assembler?" by Thierry Klein
Assembly	L40	Insert: "How to Handle Files in Assemblr" by T. Klein
Astronomy	R114	"Sky", L. Bollman, 'The_Sky' & 'Sky_Calc', 8087, PC
AT Utility	S26	"Z-100NB" by William Locke, Using the AT util
Atari <-> Z-89	R66	"Super Intel, Inexpensive Peri...", T. Stanley, Z-89
ATTRIB.COM	S20	"Z-100NB" by Alison Phillips, using ATTRIB & FLAGS
AutoBoot	L125	"Setting IDE AutoBoot", Or AutoBoot other Z-100 devs
AUTOCAD	R92	"Wide Prntr Plots for AutoCad 2.18", D. Price, DEBUG
AUTOCAD	R94	Ltr- C-7 Logi Mouse, AutoCAD, & Z-100, R. Hassard
AUTOCAD Printr	R99	"DIY Printer Driver for AutoCAD", P. Swayne, ASM
AUTOCAD Publish	R97	"Desktop Publishing w/AutoCAD", P. Swayne
AUTOCAD Review	R47	"CAD/CAM on Z-100", S. Spencer
AUTOCAD11	R142	Ltr- Prob w/AUTOCAD11 on 20MHz ZDS386SX, G.Hoellerich
AUTODEX Review	R52	"Managing Files - Help from AutoDex!", W. Adney
AUTOEXEC.BAT	R42	"Using AUTOEXEC.BAT" to load ZBASIC pgm, G. Kabelman
AUTOEXEC.BAT	R109	"LeadEdge", W. Adney, AUTOEXEC.BAT, CONFIG.SYS "bug"
AUTOEXEC.BAT	R149	"Practical Tips", N. Visco, Sample AUTOEXEC.BAT, PCs
AUTOSCRIBE	R33	"Error in Output File..." by R. French, Z-89
AUTOSCRIBE	S17	"Benchmark Word Processor" by Donald Carter
AUTOSKETCH	R124	"AUTOSKETCH, Power Drawing for Less", P. Swayne
A86/D86 Asmblr	L18	"A86/D86 Assembler & Debugger" Review

Keyword:	Issue#	Article
Backup	L6	"Multi-Disk Backup", Idea Waiting for Inventor
Backup	L7	"Backup Strategies" (& Paul Herman pgm, BU.C), Z-100
Backup	L17	"Backup/Archive Program", PKZIP, ARJ, Z-100
Backup	L49	"Hard Drive BACKUP Alternatives", Z-100
Backup	R94	"Real Men...", J. Buszkiewicz, IMAGER Video Tape Bckup
Backup	R98	"IMAGER Backup", J. Katz, Video Tape Backup, PCs
Backup	R107,119	"LeadEdge", W. Adney, IMAGER Video Tape Backup, PCs
Backup	R115,134	"LeadEdge", W. Adney, Types of Backup/Restore
Backup	R131,134	"LeadEdge", W. Adney, IMAGER; #134- Out of Business
Backup	R134	"Min Effort HDrive Backup", R. Siebers
Backup	R138	"...Central Point Backup", R. O'Connor, Review

Bar Code	R101	"...Data Entry: Bar Codes", J. R. Hines, Bar Code Rdr
Bar Code Prntr	S19	Notes- Print your own bar codes on Z-100/Z-150
Barfield Mod	L29	"Using Dual-Density Drives"... A Better Z-207 Mod
Barfield Mod	L76	Insert: "The Barfield Dual-Density Drive Z-207 Mod"
Bar Graphs	S10	"Classy Bar Graphs" by Robert Rasch, uses MBASIC
BARON	R67	"New Prods From Blue Chip Sftware", P. Westfield, PC
BASCOM	R38	"...BASCOM - CP/M BASIC Compiler", T. Wiles
Base Convsn	L104	Insert: "DEC-OCT-HEX-BIN & ASCII/Grafx Chart"
Base Convsn	L122	Insert: "All-Base Conversion Pgm for CP/M", ASM
Base Convsn	R15	Ltr- BASIC Conversion Pgm, R. Massa, DECimal-->BINary
Base Convsn	R18	"Number Base Conversion in FORTH", G. Haydon
Base Convsn	R26	Ltr- Convert Split OCT to DECimal, G. Hawthorne, MBASIC
Base Convsn	R28	"Split Octal/Decimal Add/Sub" by R. Traub, numbers
Base Convsn	R30	Missing program to above article by R. Traub
Base Convsn	R42	Ltr- Correction to "Base Conversion Routine"
Base Convsn	R86	"Binary to BCD Conversion", F. Bruegmann, BINTODEC ASM
Base Convsn	R143	"Binary Conversion by Division", G. Hoellerich
Base Convsn	R144	"...Floating Point Numbers", D. Lind, Binary & BCD
BASIC	--	Also see MBASIC, GWBASIC, or ZBASIC separately
BASIC	R100	"Get Started w/BASIC", A. Neibauer, BASICA, GWBASIC
BASIC & 8087	S21	"Speeding Up Z-100/150 w/8087 Math Chip" by Alan Moffet
BASIC CharCase	R08	"BASIC Ideas", D. McNeill, Chg Upper Case to Mix Case
BASIC CheckWtr	R09	"Million Dollar Check Writer", J. Tennant
BASIC Directry	R18	"Disk Catalogs from BASIC or Tiny PASCAL", L. Suarez
BASIC FileMgmt	R11	"File Handling in BASIC" by J. Tennant, Z-89
BASIC FileMenu	R89	"What's on Menu?", M. Zapolski, Menu list all .BAS Pgm
BASIC FileMenu	R94	Ltr- What's on Menu, M. Zapolski, For GWBASIC, Z-100
BASIC FileSort	S19	"BASIC Q/A" by Edward Byrnes, semi-sorting files
BASIC Fractals	--	See GWBASIC or ZBASIC Fractals
BASIC Groceries	S12	"BASIC Grocery Shopping" by Robert Schlessman
BASIC Gypsy	S6	"Program Improbable Prognostications" by Edward Byrnes
BASIC Gypsy	S7	Ltr- Program corrections and additional info
BASIC Integers	R127	"Single-byte Integers in BASIC", K. Granzow
BASIC Needles	--	See Needles Program below
BASIC Optical	S11	OPTICAL.BAS by Edward Byrnes, Z-100 optical illusion
BASIC PSwayne	R09	"BASIC - I Built My Own", P. Swayne, fm Li-Chen Wang's
BASIC Precision	S9	"Optimize BHBASIC's Numerical Output" by Charles Rogers
BASIC Pgmg	L20	"Chaser Menu for BASIC", Colored dots chasing Menu
BASIC Pgmg	R81	"BASIC Thoughts", J. Mosow, Advice
BASIC Pgmg	R103	"LeadEdge", W. Adney, Choosing a language
BASIC Pgmg	R132	"Do You Want to Program?", Gil Hoellerich, Print label
BASIC Pgmg	R136	"Do...Pgm2", Add Input to the label pgm
BASIC Pgmg	R137	"Do...Pgm3", Practicality, compiling, use in Database
BASIC Pgmg	S2	"Put Structure in BASIC Pgmng" by William Clarkson
BASIC Pgmg	S5	"Format BASIC Pgms for Readability..." by Paul Eustace
BASIC Pgmg	S13	"Screen Out Improper Input" by Kurt Albrecht
BASIC Pgmg	S13	"Trap Errors w/o Losing Error Msgs" by Stan Lockhart
BASIC Pgmg	S16	"Passing Variables w/CHAIN & COMMON" by Robert Hanan
BASIC Pgmg	S18	Ltr- Use of ALL to pass variables corrected
BASIC Prntr Pgm	S14	"Get Most Out of Okidata Printer..." by M.H. Endres
BASIC RubikCube	S1	"Rubik's Cube: Computer Simulation..." by Arthur Frost
BASIC ScrnFormt	R12	"Screen Formatting in BASIC" by B. Thomas, Z-89
BASIC Sort	R08	"String Sort", B. Stillman
BASIC SYMON.BAS	S16	"SYMON Says: Challenge Your Memory" by Edward Byrnes
BASIC Trig Util	S3,8	"Double-Precision Trig Functions" by Hugh Kenner
BASIC Typewrtr	S10	"Turn Computer into Typewriter" by Thomas Bohon
BASIC Typing	S1	"BHBASIC Tests Typing Reaction Time" by Raymond Dotson
BASIC Versions	R95	"BASIC Wars", B. Dubbs, QuickBASIC, TurboBASIC, etc.
BASIC-E	R27	"Add LPRINT, PEEK, POKE,USR, & INPUT\$ to BASIC-E"
BATCH	L6	"Returning to Original Directory in a Batch File"
BATCH	L9	"ECHO a Blank Line in a Batch File"
BATCH	L27	"Using Percent Sign (%) in Batch Files", Z-100
BATCH	L74	General Notes: Batch file use

BATCH Files	R140	"BATCH Files...", J. Day, Explains use
BATCH Menu	R93	"Batch Menu System", E. Zimmerman, Uses batch files
BATCH Menu	R93	"Mouse Driven Menu System", J. Bazhaw, Batch files
BATCH Menu	R99	"Simple...Menu Sys", P. Swayne, 'errorlevel', addColor
BATCH Pgm	R77	"Progrmg in BATCH", R. Ferguson, MSDOS v2
BATCH Pgm	R107	"PwrUp", W. Adney, Using Batch Files & CONFIG.SYS
BATCH Pgm	R111	"Xplore Your BATCH Files", R. Brasfield, Shrt ASM Pgms
BATCH Pgm	R113	Ltr- Xplore Your BATCH..., R. Brasfield
BATCH Pgm	R113	"Begin BATCHes", M. Haverstock, AUTOEXEC.BAT
BATCH Pgm	R129	"Enhanced BATCH File & Menu Pgms", H. Ogg
BATCH Pgm	S10	"Take Advantage of Z-DOS Batch Files" by Peter Norton
BATCH Pgm	S12	Ltr- Silence keyclick using batch files or AUTOEXEC.BAT
BATCH Pgm	S17	Ltr- Comments on ending Batch Files with a CTRL-Z
BATCH Pgm	S17	"Z-100NB" by Alison Phillips, AUTOEXEC & FNAME.BATs
BATCH Pgm	S24	"Z-100NB" by William Locke, using Batch files
Battery Care	R102	"Get Most From Laptop", J. Katz, ZCOM Manual
BATTLESHIP Pgm	--	See MBASIC BATTLESHIP
BCD <-> Binary	R86	"Binary to BCD Conversion", F. Bruegmann, BINTODEC ASM
Beep	L26,27	Q&A: Can the Z-100 say anything besides BEEP?
Beginner Guide	L16	"Beginner's Guide to the Z-100", Paul Herman
Beginner Guide	L108	Insert: "Beginner's Guide to Z-100", S. Vagts, Updatd
BENCHMARK	S17	"Benchmark Word Processor" review by Donald Carter
Benchmark Pgm	R26	"Speed on Heath Micros", A. French, Prime #s, BHBASIC
Bernoulli	L6	Q&A: Bernoulli removable cartridge drive on Z-100?
Bernoulli Box	R114	"HDisks & Bernoulli Drives...", D. Green, Z-100 Note: Bernouli Box is Iomega 10+10 8" Cartridge Drive w/CDR317-IIB SCSI ctrlr from CDR Systems!
BESTERM	R114	"Inexpensive Software for Z-100", G. Elder, Comms
BetterBASIC	R88	"BetterBASIC...", F. Kent, Uses all avail RAM, modular
BetterBASIC	R92	Ltr- BetterBASIC Julian Date, E. Goetsch
BHBAS Editor	R30	"Editor for Benton Harbor BASIC", P. Swayne
BHBAS Improvmts	R29,31	"Improvements to Benton Harbor BASIC", P. Swayne
BHBAS Inv Trig	R26	"BASIC Idea, Inverse Trig Functions", F. Wunder
BHBAS vs MBAS	R23	"B H BASIC vs MBASIC", G. Kabelman
Billboard	R17	"Electronic Billboard" by R. Reichart, Z-89
Binary Add	R49	"...Computer Can't Add", D. Pelowitz, binary numbers
Binary Convsn	R143	"Binary Conversion by Division", G. Hoellerich
Binary Search	R61	"Binary Search... For Speed", P. Eustace, Turbo PASCAL
Binary Search	R128	"Search for Binaries", A. Grattan, QuickBASIC Pgm, PCs
Binary <-> BCD	R86	"Binary to BCD Conversion", F. Bruegmann, BINTODEC ASM
BIOS Config	L4	"Accessing BIOS Device Configuration Table"
BIOS Length	L5	Feedback: Length of BIOS vers dependent - 64k limit
BIOS Upgrade	L23	"BIOS Enhancements" by John Beyers for DOS v3.2
BIOS Versions	L13	"Case of Paranoia", Different BIOS vers in DOS v3.10
BLACKJACK	R64	Ltr- Patch EC1110 MBASIC crse BLACKJACK, M. Klintworth
BLITZ	S39	"C Notes" by Joseph Katz, BLITZ printer-interface pgm
Book Review	S5	"H/Z Computers: Words & Pictures" by Frederick Zimmerman
Book Review	S14	"Hugh Kenner's Book for Z-100 Beginner" by Mark Goodkin
Book Review	S15	" Z-100NB" by Alison Phillips on "MS-DOS User's Guide"
Book Review	S15	" Z-100NB", Hugh Kenner's Book "H/Z Z-100 User's Guide"
Book Review	S15	"Seidel's Book on Microsoft COBOL" by D.C. Shoemaker
Book Review	S19	"Improve Writing w/Word Proc." by David & Virginia Noble
Book- CP/M	R41	"Best Book on CP/M", J. McGraw: "CP/M Assembly Language Programming" by Ken Barbier
Boot Record	L26	"The Z-100 Boot Record and Boot Table"
BOOTLOG	R148	"BOOTLOG...For DOS", L. Conklin, QuickC Pgm logs Boot
Bootup ROM	L2	"Exploring the ROM"
BREAKER	L8	Get BREAKER to Work w/ZPC, Patch BIOS_CONFUNC, Z-100
Breakout	L12	"Breakout Strategies", for program debugging, Z-100
Breakout	L18	"Z-100 Breakout Switch"; using NMI, includes listing
Breakout	L30	"Breakout Switch Kit" for Scottie Board, Z-100
Breakout	L37	*GEMINI Owner*...; Breakout works, both Z-100 mode
Breakout	R101	"Z-100 Break-out & Debug Tool", Paul Herman, Z-100

Breakout Box	S20	Notes- Heath's new PMK-130 RS-232 Breakout Box
BRNCHREF Patch	R56	PPage- Patch to BRNCHREF, DOS Util (885-3014-37)
Bright Ctrl	S16	"Add Auto Bright Control to Your '89" by Ray Albrektson
Bright Ctrl	S17	Ltr- Adds component values used for Auto Bright Ctrl
Brother HR-15	R56	"Printer for all Reasons", G. Istvan, LQ printer
Brother 600	R104	"Comms w/dedicatd Word Procssr", D. Shachar, File Txfr
BSE Editor	S18	"Z-100NB" by Alison Phillips, BSE full-screen editor
BSE Editor	S22	"Z-100NB" by William Locke, BSE editor/Pgmmr's Util Pack
BSE100.EXE	L40	"BSE100.EXE", Fix to turn off key click on Z-100
BSR X-10 Ctrlr	R31	"Turn on Light...", Jim Blake, Home Control with X-10
Buffer	R43	"What is a Buffer", J. McGraw, HDOS
Buffer	R80	"Buffer Stuffer", B. Noblick, LIFO & FIFO explained
Bulletin Board	S12	"Communing by Computer" by Frederick Zimmerman
BUSS	--	Newsltr Heath Comps, Charles Floto, Nov77-Mar89, #159
Buttonware Util	R101/102	"LeadEdge", W. Adney, 14 Useful Utils

Keyword	Issue#	Article
'C'	R69	"Search for a Language...", L. Hansen, Langs compared
'C' & 8087	S21	"Speeding Up Z-100/150 w/8087 Math Chip" by Alan Moffet
'C' ANSI	R110	"ANSI GrafX Header File...", S. Jacob, Z-100 & PC
'C' ARGC & ARGV	R104	"ARGC & ARGV in 'C'", R. Rasch, # of argmnts/Mem Addr
'C' Books	R138	"Learning C...", Tom Bing, Waite Groups' Master C
'C' Books	R138	"Learning C...", Tom Bing, Microsoft Learn C Now
'C' DEBUG	S28	"C Notes" by Joseph Katz, Pgms more powerful than DEBUG
'C' Drive Data	S28	"C Notes" by Joseph Katz, SPINSTUF finds drive parameters
'C' File Attrib	S37	"Get at DOS File Attributes" by Jon Snader, "C" pgm ctrl
'C' Fractals	R124	"Fractals on H/Z-100...", R. Rasch, Z-100 & PC
'C' Fractious	R112	"...Fractious Numbers", D. Keller, Cvt Fractions
'C' Functions	R63	"Two Useful 'C' Funcs", C. Winchester, Puts/Gets.C
'C' Intro	S21	"Z-100NB" by Alison Phillips, introducing "C"
'C' Intro P1	R43	"An Intro To 'C'", series by Brian Polk, Intro
'C' Intro P2	R44	Printing 'C' special chars in Dec, Oct, & Hex
'C' Intro P3	R47	Creates MORE, a 24 line screen display utility
'C' Intro P4	R49	Analyze MORE, a 24 line screen display utility
'C' Intro P5	R50	Passing options into a 'C' pgm
'C' Intro P6	R51	Intermixing ASM code with 'C', Phone book
'C' Intro P6	R54	Ltr- Criticism of Intermix article
'C' Intro P7	R55	Adjusting space allocation & separate functions
'C' Lang. Intro	R34	"Next Step is C" series by W. Bently, Intro & start
'C' Library	R114	"Library Support for 'C'", H. Ogg
'C' Modules	R109	"Improve C Pgms w/Linked Modules", C. Pepper, C/80
'C' Prime #s	R57,64	Ltr- Z-100 Bnchmrk Primer, 'C' Prime # Pgm, Gilbreath
'C' Printing	S20	"C Notes" by Joseph Katz, first pgm HELLO.C
'C' Pgmg	R103	"LeadEdge", W. Adney, Choosing a language
'C' Pgmg	R142	"Pointers for Progmrs", T. Bing
'C' Pgmg	S20	"C Notes" by Joseph Katz, first pgm HELLO.C
'C' Pgmg	S21	"C Notes" Manx Aztec C, Ecosoft C, Toolworks C
'C' Pgmg	S22	"C Notes" Emit() outputs one line, more "C" notes
'C' Pgmg	S23	"C Notes" Eco-C88, Z150 screen dump, "C" libraries
'C' Pgmg	S24	"C Notes" Computer Innovations' C86 Compiler
'C' Pgmg	S25	"C Notes" Assembler in C, Advanced debuggers, books
'C' Pgmg	S26	"C Notes" MS's "C" Compiler v4, MAJIC's Pro-C
'C' Pgmg	S27	"C Notes" statistics, H/Z-150, Zview notes
'C' Pgmg	S28	"C Notes" batch files, line numbers, Ecosoft's C Tutor
'C' Pgmg	S30	"C Notes" security, passwords, encryption
'C' Pgmg	S32	"C Notes" Purdum & Leslie's "C", SCANCODE.C
'C' Pgmg	S34	"C Notes" IRQS.C unmask some features
'C' Pgmg	S39	"C Notes" Peeking for a bug in Z-151, Z-159 & Z-183 ROMs
'C' Pgmg	S25	"Z-100NB" by William Locke, painting screen regions
'C' Pgmg	S26	Ltr- Desmet C88 is "C" compiler w/Z-100 specific libs
'C' Pgmg	S27	Ltr- "C Notes" not just for "C" Users
'C' Pgmg	S27	"Z-100NB" by William Locke, pgm to change Z-100 key map

'C' Pgmg	S35	"Z-100NB" finding Z-100 terminal status
'C' Pgmg	S39	"Z-100NB" WORDS.C will sort text files
'C' Pgmg	S34	"Z-200 Series" by William Locke, MicroSoft "C" v5 review
'C' Pgmg	S40	"Z-100 Memory Jogger" by J. Katz, MEMO.C boot-up remindr
'C' Science Lib	S28,39	"Z-100NB" by William Locke, Eigenware's "C" Sciene Lib
'C' Screen Ctrl	R41	" Use 'C' for Fast Screen Action...", C. Pepper
'C' Screen Ctrl	R44	Ltr- More on "'C' Fast Action..."
'C' Screen Ctrl	R44	Ltr- Add'l resourse for "'C' Fast Action..."
'C' Small Patch	R71	Ltr- One for REMark PPage, D. Wallace, Small-C patch
'C' Spec Func	R51	"Use Special Function Keys...", R. Crawford, Z-89
'C' Subrout	R65	"FavSub", A. Gilchrist, BASIC INP & OUT emulation
'C' Subrout	R74	Ltr- Gilchrist..., L. Tryon, CINP & COUT solutions
'C' Structure	R54	Ltr- More on Using 'C', W. Hall, Follow 'C' structure
'C' Trip Plannr	R123	"Trip Planner in 'C'", R. Rasch
'C' User Group	S20	"C Notes" by Joseph Katz, "C" User's Group
'C' Utility	S25	"C Utility Does More than PRINT" by Anthony Herbst
'C' ZIP	R109	"File Compress/Expans Pgm", W. Hall, C/80 GETC & PUTC
'C' ZIP	R112	Ltr- Simple File Comp..., R. Gugeler, Re 'File Comp'
Cables	R146	"Making the Connection", W. Wills, Correct PC cables
Cables-Video	--	See Video Cabling
CAD - AUTOCAD	R47	"CAD/CAM on Z-100", S. Spencer, AutoCad review
CADD-Generic	--	See Generic CADD
CAI CAPITALS	R03	"My Old School...", W. Nico, Name State Capitals, BAS
CAI Numbers	R20	"Numbers" BASIC, G. Kabelman, Comptr Aided Inst, Z-89
CAI Part 1	R38	"Computer Aided Instruction, Part 1", W. Gillespie
CAI Part 2	R40	Sections 2 The Design Task, & 3 Choosing a Language
CAI Part 3	R42	Sections 4 Keeping Clean House, & 5, Fine Tuning
CAI - PILOT	R34	"I Just Discovered PILOT!", J. McGraw, quiz maker pgm
CAI - PILOT	R39	"...Progmd Inquiry, Learning Or Teaching", K. Albrecht
CAI - PILOT Rev	R43	"PILOT/80 Revisited", K. Albrecht
CALENDAR.CAL	R133	"CALENDAR.CAL", S. Vagts, Print a Calendar, PeachCalc
Calendar Mgmt	R128	"CALENDAR CREATOR PLUS", T. Bing, Scheduling
CALCSTAR	S4	"Eight Spreadsheets Compared..." by Kenneth Patrick
CALCULATOR	R144	"...Float Point Numbrs", D. Lind, ASM CoProcessor Pgm
CALC.BAS	R62	"CALC.BAS", W. Reese, For CP/M2.2.03 and MBASICv5.21
CAL-MENU.BAS	L52-54	Insert: "CAL-MENU.BAS" by Steven Vagts; ZBASIC Listing
Canon FDD211	R77	Ltr- Upgrading Z-89 Prob w/Cannon 48tpi FD, J. Lee
Capactr Reform	L115	Ltr- To reform capacitor, bring voltage up gradually
CAT Patch	R25	PPage- Patches to CAT & CCAT, P. Swayne
CAT.COM	R47	Ltr- "A Master Cataloging Sys" creates index of files
CD-ROM	L21	"Programmers Wanted for CD-ROM Support"
CD-ROM	L24	"CD-ROM Drives", Bill Flanagin moderately successful
CD-ROM	R131	"CD-ROM Setup on a ZDS Computer", H. Ogg, PCs
CDR HDisk Ctrlr	R32	Ad- C.D.R. disk ctrlr for 8" & 5" soft/hard sec, Z-89
CDR HDisk Ctrlr	R114	"HDisks & Bernoulli...", D. Green, See Bernoulli Box
CDR SuperDrive	R76	"8" Capty in 5.5" Space", J. Buszkiewicz, Z-89, Z-100
CDR317 HD Ctlr	L5,6	"CDR-317 SCSI Intelligent Interface Card Update", Reqs OMTI3100 or Xebec 1410 SCSI/MFM Adapter Ctrlr or SCSI drive, w/own SCSI ctrlr, such as ST-138N
CDR317 Ops	L73	"Operating w/ CDR-317 SCSI HD Controller"
CDR317 Ops	L75	HOWGOZIT: CDR-317 problems with drive access
CDR317-EasyPC	L127	"Easy PC and the CDR-317", SCSI hard drive system
CDR317-Gemini	L127	"Gemini and the CDR-317", SCSI hard drive system
Centronics 739	S15	"Custom WordStar for Dot-Matrix Ptr" by Stephen Prigozy
CHANGCHR.BAS	L39	"CHANGCHR.BAS for ZBASIC" by Thierry Klein
Char Dev Config	L4	"Accessing BIOS Device Configuration Table"
Char Mapping	S15	"Teach Your Z-100 Greek" by Alan Moffet, chg char fonts
Char Mapping	S19	"Make Your '89 Speak Greek" by Ray Albrektson
Char Set	L105	"H/Z-100 Alternate Character Sets"
Char Set	R87	"Russian...", M. Scott, Adjust Character Set, Z-100
Char Set	S40	"Implement Symbols for Math & Languages" by Paul Heckert
Char Set Chg	L40	Insert: "How to Handle Files in Assembler", T. Klein
Chars Foreign	L36	"Special Characters on the Z-100"

Chars Foreign	L40	"More Z-100 Character Programs!", Thierry Klein
Chars WP	L51	"WordPerfect v5.1 Char Sets", Use of Compose feature
CHASE Game	R13	"Chase - an Animated Graphics Game", T. Stanley, Z-89
CHEAPCALC	R37	"CheapCalc" by B. McFarland, MBASIC spreadsheet pgm
CHEAPCALC.DOC	R38	Listing of MBCALC.DOC for above.
CHEAPCALC Rev	R40	"CheapCalc Revisited", C. Lundberg, BASIC
CHEAPCALC Cor	R42	Ltr- Correction to CheapCalc
CHEAPCALC Again	R44	"CheapCalc, Another Look", B. McFarland
CHEAPCALC	R50	Ltr- Corrs to MBASIC CheapCalc, C. Wilson
CHEAPCALC	R77	Ltr- Echoes From CheapCalc, A. Pedley, Many chgs
CHEAPCALC Upd	R83	"SuprCheapCalc1", L. Suarez, Updated, MBASIC, Z-89
CHEAPCALC Upd	R85	"SuprCheapCalc2", Spreadsheet basics
CHEAPCALC Upd	R88	"SuprCheapCalc3", Erase, Copy, Math Funcs, IC Peek, DC
CHEAPCALC Upd	R92	Ltr- Answers Re SuprCheapCalc, L. Suarez, Input Bug
CHECK.BAS	R42	"Personal Checks and Balancing", D. Thomas, DOS?, BASIC
CHECK.BAS	R50	Ltr- Re "Personal Checks & Balancing", CP/M vers
CHECKOFF	R58	Ltr- Comparing Vs 2 and 3, (HUG:885-8011)
CHECKOFF CSP	R67	"Checkoff Search&Print (CSP)", J. Meyers, CP/M HDOS BAS
CHECKSUM	R57	"CHECKSUM: Pgm Proofread Aid", S. Jacob, BASIC
CheckWriter	R9	"Million Dollar Check Writer" by J. Tennant, Z-89
Chinon FZ-357	L42	Insert: "Dual/Quad Density Drive" jumper settings
ChiWriter	R94	Ltr- ChiWriter for Sci..., R. Ludeman, Re EquatMastr
Christmas	L49	Insert: "Life" Christmas Challenge Winner - T. Klein
Christmas	L90	Insert: "XMAS2003.BAS" - ZBASIC Christmas Grafx 2003
Christmas	L90	Insert: "Floppy Disk 2003 Christmas Card" w/Scrn Saver
Christmas Gfx	L84	"ZBASIC Christmas 2002 Screen Saver" by Steven Vagts
Christmas Poem	L73	"The Christmas Panic" by Gary Appel
Christmas Pgm	R35	"Christmas Grafx" on-going display, J. McGraw, MBASIC
Christmas Pgm	R38	Ltr- "Christmas Graphics" speed changes, J. McGraw, Z-89
Christmas Pgm	R42	Ltr- "Christmas Graphics" add'l
Christmas Grafx	R59	"Christmas Greetings in ASCII", J. McGraw, BASIC
Christmas Story	L73	"The Old Wizard's New Secret" by Hank Lotz
Chronograph	R35	"Hayes Chronograph, H-89, & CP/M", G. Hassebrock.
Chronograph	R44	Ltr- Typos in "Hayes Chronograph, H-89, & CP/M"
Chronograph	R38	"Chronograph Revisited" Sets add'l Chronograph bauds
CHUG Conf	R74	"Put Togthr a HUGCON", J. Roach & M. Jewell, Capital HUG
CHUGCON '82	S5	Capital HUGCON '82 Overview by Frederick Zimmerman
CHUGCON '83	S9	"CHUGCON '83: Sharing Expertise" by Frederick Zimmerman
CHUGCON '84	S16	"CHUGCON '84 -- Back for More" by Mark Goodkin
CHUGCON '85	S21	"Free Nanosecs Highlight CHUGCON '85" by Victoria Saxon
CHUGCON '86	S26	"CHUGCON '86: Old Friends & New" by Victoria Saxon
CHUGCON '87	R92	Ad- Capital HUG Conference, Tyson's Corner, VA
CHUGCON '87	S32	"Capital Weekend for H/Z Users" by Beverly Voigt
CHUGCON '88	S38	"CHUGCON '88: Branching Out" by Mark Reishus
Circuit Boards	L94	"Reviews of Circuit Board Making Software"
Circt Ser->Par	R51	"Serial to Centronics Parallel Converter", J. Ross
Circt Ser->Par	R66	Ltr- Correction/Mod to "Ser to Parallel Circuit"
Circt Simulator	R130	"...Analog Circuit Simulator", M. Hardwick, SPICE, PC
CItoh CM-1000	R80	"LeadEdge", W. Adney, Color Monitor, Z-100 & HS-241
CItoh Driver	L3	"MS Word v5 missing C.Itoh 8510A Prowriter driver?"
CItoh ScnDump	R63	Ltr- Screen Dump w/some Prntrs, B. Locke, PSC.COM
CItoh ScnDump	R76	Ltr- Prevent Prowriter Print Prob, L. Landers, PSC.ASM
CItoh WordStar	R54	"WordStar & Prowriter 8510A Printer", G. Deley, Z-100
CItoh WordStar	R57	Ltr- Toggling Along w/WS, A. Moffet, Sub/SuperScript
CItoh 8510A	R40	Ltr- Interfacing with Z-89 comments and pinout, Z-89
CItoh 8510A	R47	Ltr- Interfacing with Z-89 comments, Z-89, HDOS
CItoh 8510A	R70	Ltr- No Support for Prowriter, F. Knottenbelt, Z-100PC
CItoh 8510A	R77	Ltrs- Knottenbelt Ltr, M. Carlson & S. Booth, Response
CItoh 8510A	R85	Ltr- CItoh..., K. Vogel, Need Z-DOS3 Ptr driver
CItoh 8510A	R86	"MYPSC...", T. Riggs, Z-100 Print Scrn Util for CItoh
CItoh 8510A	R113	"Z-100 ASM Pgm for SetUp to...Ptr", L. Landers
CItoh 8510ACD	S15	"Custom WordStar for Dot-Matrix Prntr", Stephen Prigozy
ClarksonCollege	S4	All Clarkson College Students to get Z-100s



ClarksonCollege	S9	"Z-100 on Every Desk: CCollege" by Frederick Zimmerman
Clarkson Gfx	L3	"Z-100 Graphics Libraries", A Comparison
Clock	L80	Insert: "Z-100 Calendar Clks", FBE SmartWtch & ZClock
Clock	--	Also see SCRNCCLK for Pat Swayne's On-screen clock
Clock Boards	--	See respective computer below: Z-89 Clock, Z-100 Clock
Clock RealTime	R70	"Real Time Clock", M. Ruthenbeck, DIY, HUG Houston
Clock Source	L56	"Source for SmartWatch", JDR Microdevices, San Jose
Clock Source	L57	HOWGOZIT/Ltr- More Smartwatch; Jameco, Belmont
Clock Upgrade	R140	"H/Z Useful Upgrades", H. Fale, Z-100PC
Clock Z-89	R54	"Setting Time on Watzman HUG ROM", J. Smith, w/pgm
Clock-Analog	L54	Insert: "Analogic Clock Theory" by Thierry Klein
Clock-PSC-100	L4	"Gernware PSC-100 Programmable Sound & Control Board"
Clock-Scottie	L37	"Scottie Clock and LLSCSI Conflict", with fix
Clock-SmrtWtch	L58	Insert: "SmartWatch Real Time Clock", Spec sheet
Clock-SmrtWtch	L120	Insert: "Case of the Dead SmartWatch", Use SuperCap!
COBOL Book	S15	"Seidel's Book on Microsoft COBOL" by D.C. Shoemaker
COBOL Corner 1	R45	"Cobol Corner..." series by H.W. Bauman, Intro, Z-89
COBOL C2	R46	Cobol System Setup, Cobol-80 Runtime Library
COBOL C3	R47	The Hierarchy & Structure of a COBOL Pgm
COBOL C4	R49	Program development, by phase
COBOL C5	R50	Use of COBOL Forms and starts sample pgm
COBOL C6	R51	In phase 3, step 1 of Sample Pgm #1
COBOL C7	R52	SPgm 2, Addr/Telephone List
COBOL C8	R53	SPgm 3, Designing a Report
COBOL C9	R53	SPgm 3, Analysis and new programming
COBOL C10	R53	SPgm 4, Discount Report from Order Record Data
COBOL C11	R58	SPgm 5, Improve headings & readability
COBOL C12	R63	SPgm 5, Code & documentation
COBOL C13	R66	SPgm 6, Employee payroll records, prnt earnings
COBOL C14	R68	SPgm 7, More professional reports, Control Breaks?
COBOL C15	R70	SPgm 8, Multi-level Control Break report
COBOL C16	R73	SPgm 9, COBOL Table Lookup Methods
COBOL C17	R75	SPgm 10, Serial Search with INDEXES & SEARCH
COBOL C18	R89	SPgm 10, Improving last project
COBOL86 ZDOS	R53	"MS COBOL-86 (ZDOS)", H. Bauman, Review, Z-100, Z-DOS
CODEVIEW	S39	"WinWorld" by J. Richard Hines, CodeView review
COHERENT	R144	"UNIX on a Budget", B. Wittig, AT compatible PC
COLOR	R64	"COLOR, ScnColor Setup...", G. Roberts, ASM, Z-100
Color Use	L92	"Add Color to your Z-100 Use", ZDIR.COM upgrade
COLORGEN	R61	New- COLORGEN, 8088 colsyns tool use Z-100 Interlace
Color - 512	--	See ProScan (Travis Barfield color board)
COLOURCODE Game	L3	"Three Games for Z-100" by Wojtek Bok
COMDEX Sprng92	R149	"COMDEX Spring 1992", N. Baker, Chicago
Comet Software	--	See Halley's Comet
Comms	R15	H8Comm/H89Comm Modification, Z-89
Comms Info	S12	"Communing by Computer" by Frederick Zimmerman
Comms Roundup	S12	"Z-DOS Comms Roundup" by Frederick Zimmerman
Comms- JHMODEM	--	See JHMODEM
Comms- KERMIT	--	See KERMIT v3.12
Comms- PC89LINK	--	See PC89LINK
Comms- Softerm	--	See Softerm-PC
Compact Flash	L113	Insert "Z-100 IDE Dual Compact Flash (CF) Configurtn"
Compact Flash	L113	Insert "Z-100 IDE Dual CF...", CF Technology & sizes
Compatibility	R144	"LeadEdge", W. Adney, IBM Compatibility
CompatiCard	S40	"Z-150 Series" by Russell Letson, CompatiCard FD ctrlr
Compiler	R63	"Need Speed?, Try Compiler", C.N. Pryor, BASIC, PASCAL
Complete Writer	R147	"Look Thru Windows at DR DOS Op", T. Fox, C.W. Toolkit
Composite Video	R32	"Video Output", W. Cohn, Composite video <b>circuit</b> , Z-89
CompuServe	S12	"Communing by Computer" by Frederick Zimmerman
COMPUTER CHEF	S5	"Cooking with 'Computer Chef'" by Donald Brown
Computer Crash	R120	"10 Ways...Cause Computer Fail", R. Brenner
Computer Crash	R129	"How Components Fail", R. Brenner, Wear & Tear
ComputerFair'82	S2	Highlights of West Coast Computer Faire by John Walker

ComputerFair'83	S4	Eighth West Coast Computer Faire, John Walker
ComputerFair'83	S6	"At the Faire: The H/Z Community" by Frederick Zimmerman
ComputerFair'84	S11	"Scuttlebutt at the Faire" by Frederick Zimmerman
Computer Guide	R124	"Comp Operator's Guide to Insanity", S. Brackett
Computer Help	R92	"MSDOS, Zeke...", C. Messex, Batch files Help newbees
Computer Home	R112	"Use of Computers in the Home", T. Putnam
Computer Journal	L22	"Computer Journal Begins S-100 Column", 'Dr. S-100' Written by Herbert R. Johnson, #57, Sept/Oct 1992
Computer Memory	R136	"LeadEdge", W. Adney, Types of memory & memory mgrs
Computer Models	R144	"LeadEdge", W. Adney, 80286, 80386 & later
Computer Model#	R112,R132	"LeadEdge", W. Adney, H/Z Computer Model/Series #s
Computer Setup1	R69	"Set Up Your System", W. Adney, Hard & Software
Computer Setup2	R71	"Set Up Your System", Useful Utils & Pwr Protect
Computer Setup-	R77	Ltr- Comments on "Set Up",
Computer Speed	R111	"LeadEdge", W. Adney, Myths about Computer Speed
Computer Stand	S11	"Build a Portable Computer Stand" by Nelson Cochran
Computer Tips	R149	"Practical Tips", N. Visco
Computer Travel	R136	"Compute on the Road", S. Kristan, SupersPort SX
Computer Upgrd	R111	"LeadEdge", W. Adney, New vs Upgrade Computer?
Computer Upgrd	R131	"Upgrade Old Computers...", S. Shapiro, Z-151, Z-100PC
Computer Video	R139	"PC Video Primer", D. Veit, History, types of PC video
CONDOR	S22	"Z-100NB" by William Locke, CONDOR and the MAP command
CONDOR	S35	"Z-200 Series" by W. Locke, Condor data mgmt system
CONDOR DBMS	R65	"Review Condor DBMS", S. Butzbach, CP/M, ZDOS, Z-100
CONDOR Editor	R93	"New Gen Editor Fm Condor...", R. Mueller, PCs Only
CONDOR rDBMS	R102	"Build Your Own rDBMS", R. Giegler
CONDOR3	R70	"Update Condor3 rDBMS", R. Mueller, v2.11.12, Z-100&PC
CONDOR3	R77	"CONDOR", R. Giegler, Review
CONDOR3	R82	"CONDOR 3 Flying High", R. Giegler
CONDOR3	R88	"CONDORizing Your REMarks", D. Breslauer, FMS or rDBMS
CONDOR3	R93	"New Gen Editor...", R. Mueller, Condor Editor, PCs
CONDOR3	R94	Ltr- CONDOR Catalog Sys, P. Koch, Catalog REMarks
CONDOS3	R101	"Another CONDOR3 Update", R. Mueller, vers2.20
Conference	S15	"H/Z Dominates USAF Sm Computer Conf" by Mark Goodkin
Conference	S18	"Navy Micro '85" by Bryan Rutberg, Norfolk Conf
Conference	--	See HUG conference: CHUGCON, HUGCON, WRHUGCON, MWHUGCON
CONFIG.SYS	R107	"PwrUp", W. Adney, Using Batch Files & CONFIG.SYS
CONFIG.SYS	R109	"LeadEdge", W. Adney, AUTOEXEC.BAT, CONFIG.SYS "bug"
CONFIG.SYS	R149	"Practical Tips", N. Visco, Sample CONFIG.SYS, PCs
CONFIG.SYS	S15	"Z-100NB" by Alison Phillips
CONFIG.SYS v4	L59	"MTR-ROM v4.21 CONFIG.SYS", Z-100
CONFIG.SYS v4	L112	Insert: "DRIVECFG v4" document & chg to CONFIG.SYS
CONFIGUR.COM	L18	"Z-100 Configuration Tip", Configure drive step rates
CONFIGUR.COM	L94	Insert: "Z-DOS v4 CONFIGUR.COM Utility Documentation"
Configuration	L66	"Many Faces of H/Z-100!!"
Configuration	L79	Insert: "Z-100 User Configs", Appendix I, User's Man
Console Stat	R43	"Console Status Program", R. Traub, Z-89
Console Swap	R33	"CP/M Console Swapper", B. Ellerton
Console Swap	R42	Correction to CP/M Console Swap above for Z-100
Console Swap	R38	"Z-100 ZDOS Swap Program", M. Aagenas, MASM
Contest '96	L45,46	Contest for "Most Unique Z-100 Application"
Conversion Tbl	L62,63	"CONVERT#.BAS Revisited", Metric/English Cubic Convsn
Convert Z-100s	L11	Q&A: Convert All-In-One to Low-Profile?
Convert Z-100s	L30	Q&A: Convert All-In-One to Low-Profile power supply
CONVERT#.BAS	L62,63	"CONVERT#.BAS" Revisited; Had incorrect convrsn #s
CoProcessor	--	See 8087
COPY	L39	"Simple Word-Procsr in MS-DOS COPY Command", H. Wilson
COPY CON	S16	"Z-100NB" by Alison Phillips, use of COPY CON command
COPY CON	S17	Ltr- Comments on use of COPY CON
Copy Protect	R78	"Paranoia Reigns...", J. Buszkiewicz, Really needed?
Copy Protect	R90	"MASTERKEY...", J. Buszkiewicz, Unlock protect schemes
Copy Protect	R144	"LeadEdge", W. Adney, Copy Protection & Compatibility
CORSAIRE.BAS	L92	Insert: "ZBASIC Sailing Ship Graphics Pgm" T. Klein

Counterpoint	R131	"Counterpoint Graphical Menu Sys", E. Zimmerman, PCs
Courier2400	R67	"Review US Robotics Courier2400 Modem", J. Buszkiewicz
Courier2400	R67	"2400 Baud Patch", J. Buszkiewicz, Courier2400, CP/M86
Covox	R119,125	"LeadEdge", W. Adney, Covox Voice Master Key Sys, PCs
Covox	R131	"LeadEdge", W. Adney, Thoughts
CO-16 Z-89	R66	"Txport Z-89 to 16-bit World...", P. Ruber & L. Porter
CPEM	S22	"Two Ways '100 Can Run CP/M Under DOS" by Joseph Katz
CPS-216	S19	CPS-216 offers 8086 slaves for Z-100 to link computers
CPU vs Baby	R49	"Stupid Computer, You should be so Smart", W. Theodore
CP/EMulator	R53,55	PPage- CP/EMulator Patch for ZDOS v2.0
CP/EMulator	R56	"LeadEdge", W. Adney, Z-DOS CP/EMulator
CP/EMulator	R86,87	PPage- P. Swayne, Patch CPM.COM, 87 corrects 86!
CP/EMulator	R97	Ltr- CP/EMulator II..., R. Kilmanas, Fixed ZEM.COM Bug
CP/M	L44	"Z-100 CP/M", General info on versions avail
CP/M	L122,123	"Running CP/M on Z-100", Comments on CP/M
CP/M	S14	"New Gen Brings Charm of Unix to CP/M" by Walter Jung
CP/M	S17	"ZCPR-A PubDomain Enhancmt for CP/M...", Mitchell Ross
CP/M	S22	"Two Ways '100 Can Run CP/M Under DOS" by Joseph Katz
CP/M	S28	"Set Epson Printer Functions..." by Richard Mueller
CP/M1	R21	CP/M series by T. Jensen, Intro, Z-89
CP/M2	R22	Discusses 4 subsections of CP/M; CCP, BIOS, BDOS & TPA
CP/M3	R25	Booting Up, configuring, and basics
CP/M4	R27	Now by W. Campbell, Books/manuals to learn CP/M, Utils
CP/M5	R30	MBASIC program for mailing list, label ptr pgm
CP/M ASM	L123	"CP/M ASM Pgmng Essentials",
CP/M ASM	R38	"ASM For the Novice", R. Martin
CP/M BASCOM	R38	"...BASCOM - CP/M BASIC Compiler", T. Wiles
CP/M BaseCnvsn	L122	Insert: "All-Base Conversion Pgm for CP/M", ASM
CP/M BDOS Err	R42	"BDOS Error!" by B. Simpson, when writing MBASIC pgms
CP/M BDOS Err	R44	Another solution to "BDOS Error!"
CP/M BDOS Err	R45	Ltr- "BDOS ERROR Prob Solved", Disk density on Z-89
CP/M BDOS Err	R44	Ltr- Use SAVE 0 GO.COM to BDOS Error, C. Pearce
CP/M BDOS Err	R45	Ltr- Use SAVE 0 GO.COM to BDOS Error, D. Picken
CP/M BDOS Err	R46	Ltr- Use GO.COM works! V. Leininger
CP/M BIOS Err	R65	Ltr- BIOS Err on B:R/O, J. Miner, Using PIE
CP/M BIOS Err	R68	Ltr- Hints for PIE Under CP/M, P. Woolgar
CP/M BIOS Err	R76	Ltr- Paul Woolgar's Ltr, J. Minor response
CP/M BIOS Err	R71	Ltr- Refer to REMark..., J. Pierrel, Default Data Drv
CP/M BIOS Err	R76	Ltr- More
CP/M BIOS Mod	R52	"CP/M BIOS Mod to Txlate Non-Heath Pgms", R. Martin
CP/M CALC.BAS	R62	"CALC.BAS", W. Reese, For CP/M2.2.03 and MBASICv5.21
CP/M CHECK.BAS	R42	"Personal Checks and Balancing", D. Thomas, BASIC
CP/M Commands	S18	"Z-100NB" by Alison Phillips, resident commands
CP/M CONDOR	R65	"Review of Condor DBMS", S. Butzbach, CP/M, ZDOS
CP/M Conf '83	S6	"CP/M '83" by Frederick Zimmerman, conference overview
CP/M Dir Struct	R46	"CP/M Directory Structure", D. Pelowitz
CP/M DiskAccess	R49	"Disk Access by Tracks/Sectors", D. Vinter, CP/M
CP/M Disk Errs	R30	"CP/M Disk Errors" ERRORS pgm reqs patch
CP/M Disk Errs	R55	Ltr- "Add'l chgs for CP/M 2.2.4, C. Simmons
CP/M Disk Errs	R55	"More About CP/M Disk Errors", N. Lavigne
CP/M DUMP	R49	"Make CP/M DUMP Useful...", C. Horn, Z-89
CP/M DUMP	R54	Ltr- Fix for the "CP/M DUMP Util", A. Fejfar
CP/M DUMP	R56	Ltr- More CP/M DUMP Patches, L. Tryon, ASM routine
CP/M Emulator	--	See ZP/SIM below to run CP/M software under Z-100 DOS
CP/M Err Recov	R49	"Error Recovery for CP/M", P. Swayne
CP/M ESC Func	R49	"Implement ESCape Seqs for...", W. Adney, Z-100
CP/M ESC Func	R52	Missing listings for FormFeed, W. Adney
CP/M ESC Func	R54	Ltr- Combine sep funcs into "TERM", R. Rasch
CP/M File Mgmt	R50	"File Hndlg w/compiled Pgms...", B. McFarland, BASIC
CP/M FORMAT	R66	"...WatchWord & Goodies", W. Adney
CP/M IDE?	L118,119	"CP/M IDE Controller", Snags & frustration
CP/M IDE?	L121	"Is CP/M Capable of Using Our IDE Controller Card?"
CP/M Interrupts	R56	"Interrupts & CP/M...", R. Lewis

CP/M MBASIC	R11	"MBASIC Output Flexibility, CP/M" by J. Thomas, Z-89
CP/M MAKEBIOS	R26	"Making Sense of MAKEBIOS", Pat Swayne
CP/M MAPLE	R66	Ltr- Patch Maple CP/M2.204, W. Parke, Drive # bug
CP/M Modem Ptch	R67	"2400 Baud Patch", J. Buszkiewicz, Courier2400, CP/M86
CP/M Par Port	R38	"Parallel Port for CP/M", J. Helgesen, CP/M v2.2.3
CP/M PIE	R68	Ltr- Hints for PIE Under CP/M, P. Woolgar, "BIOS Err"
CP/M Plus	L96	"CP/M Plus" by Barry Watzman - Documentation
CP/M Plus	L122	"Description of CP/M Plus", Commonly known as CP/M3
CP/M Plus	L122	"Date Patch for CP/M 3's DATE.COM", Y2K Bug
CP/M Primer	L44,45	Insert: "CP/M Primer" (CP/M-80 to CP/M-85)
CP/M Primer	L48	Insert: "CP/M-85 Command Reference" continued
CP/M Pgmng	S5	"Intro to CP/M for ASM Pgmrs" by J.C. Hassall
CP/M Speech	R45	"Using Speech Syn Under CP/M", B. Brownlee, Vortax
CP/M Time/Date	S34	"Time & Date-Stamp Your CP/M Files" by Daniel Jerome
CP/M Turnkey	R25	"Turnkey Ops Using CP/M, MBASIC & SUBMIT", R. Conde
CP/M Versions	R61	"Look at CP/M80, CP/M85, & CP/M86", W. Adney
CP/M vs HDOS	R44	"Software View of Op Systems", G. Coade
CP/M .COM Pgms	R85	"Something Common About DOS & CP/M", B. Wilkinson
CP/M2.2 ZCPR3	R70	"Upgrade CP/M2.2 With ZCPR3...", R. Swenton, Z-89
CP/M80 SUBMIT	R63	Ltr- Two Part Puzzle", R. Tripp, SUBMIT Probs, Z-89
CP/M85 ASM Pgmng	R45	"ASM in CP/M-85 with Z-100...", D. Shoemaker
CP/M85 ASSIGN	L123	Insert: "Disassembling CP/M-85's ASSIGN.COM"
CP/M85 BDOS	L123	Insert: "CP/M ASM Pgmng Essentials", BDOS Function Calls
CP/M85 BIOS	L123	Insert: "CP/M ASM Pgmng Essentials", BIOS Entry Points
CP/M85 BIOS	L123	Insert: "CP/M ASM Pgmng Essen", BIOS Disk Data Structure
CP/M85 Grafx	R61	"Hi-Res Graphics w/CP/M85", R. Owens, Z-100
CP/M85 Grafx	R66	Ltr- Correction "Hi-Res Grafx w/CP/M85", R. Owens
CP/M85 Grafx	R69	Ltr- Sympathize..., J. Joiner, Adds to "Hi-Res Grafx"
CP/M85 Grafx	R75	"Hi-Res Graphics w/CP/M85", R. Owens, Final, Z-100
CP/M85 Patch	R41	"...Echo On Delete..." Patch, P. Swayne
CP/M85 RAMdrive	R71	"Auto RAMdrive Utilities", J. Hebda, CP/M85, Z-100
CP/M85 RAMdrive	R73	Ltr- Auto RAMdrive Util, L. Daugherty, for CP/M, Z-89
CP/M86	L83	Insert: "Concurrent CP/M-86", Concurrent DOS Review
CP/M86	R52	"CP/M-86 From Zenith", W. Adney, pg 20.
CP/M86 Delete	R49	"Get Rid of Echo on Delete...", P. Swayne, Patch
CP/M86 Modem	R67	"2400 Baud Patch", J. Buszkiewicz, Courier2400, CP/M86
CP/M86 Patch	R53	PPage- CP/M86 bug crashes occasionally
CP/M-Plus	S16	"CP/M-Plus Exploits More Memory" by Jack Goertz
CP/M-Plus	R89	Ltr- Redirect Outpt, P. Grayce, MBASIC PEEK/POKE Patch
CP/M <-> DOS	L122,123	"22DISK, CP/M <-> DOS Disk Interchange Utility"
CP/M <-- HDOS	R37	"An HDOS Shell for CP/M", D. Alsip, Z-89
CP/M <-- HDOS	R60	"Op Sys Emulators", P. Swayne, HDOS, CP/M, Z-100
CP/M <-- ZDOS	R45	Ltr- Txfer Files from ZDOS to CP/M, L. Wilson
CP/M --> ZDOS	R60	"Op Sys Emulators", P. Swayne, HDOS, CP/M, Z-100
CPU Swapping	L22,23	"Processor Swapping", Two Operating Sys, DOS & CP/M
Cramolin	S36	"Cramolin Cleans Computer Contacts" by Gerald Cramm
		<b>Note: Do NOT use on Z-100 Keyboard Keys!</b> The residue left from this and similar products (WD-40) will cause key failure!
CROSSREF Util	R55	"Inside MBASIC", D. Dodgen, Cross Ref Utility, Z-89
CROSSREF Util	R58,59,61	Ltrs- Comments on errors, C. Mowery
CROSSREF Util	R64	Ltr- Revised CrossRef Util for Z-100, M. Zapolski
CROSSREF Util	R75	Ltr- Harper's June 85 Art, M. Zapolski, ZBASIC, Z-100
CRT	L1	Q&A: All-In-One CRT Replacement?
CRT Radiation	R73	Ltr- Radiation in CRTs?, W. Nabor, There is none.
CRSAVER	R54	"Advanced ASM, Z-DOS TSR Pgms", F. Clark, Z-100
CRSAVER	R57	Ltr- Update on CRSAVER, J. Lockett
CRSAVER	R98	"CRSAVR Revisit", R. Brasfield, Mem Ctrl Blocks, ASM
CRSAVER	R105	"Revisit CRSAVER Revisit", W. Vomocil,
CRSAVER	R111	Ltr- CRSAVER Revisited, V. Reisenleiter
CRT-C Registrs	L3	Q&A: What are standard values for CRT-C Registers?
Cursor	L2	"Customizing Your Cursor" by Stanley Schwartz
Cursor Addrng	R54	"Direct Cursor Addressing...", R. Bennett, Z-89
Cursor Ctrl	R43	"Easy Cursor Control...", W. Theodore

CW Keyer	R28	"Computer CW Mem Keyer", D. Jugel, Add Circuit, Z-89
CYTERM	S12	"Z-DOS Comms Roundup" by Frederick Zimmerman
C86	S24	"C-Notes" by J. Katz, Computer Innovations' C86 Compilr
C86PLUS	S35	"Z-200 Series" by William Locke, Computer Innovations
C-Scape	S26	"C Notes" by J. Katz, C-Scape translates 'C' screens
C-7 Logitech	L4	"Using MS Word v5 on Z-100", G. Faini, Logitech C7
C-7 Logitech	L4	Q&A: Get Z-100 to work w/Logotech C-7 Mouse, Patch
C++ Upgrade	L23	"Solutions Looking for Prob", Upgrade to C++, PCs
C++ 1&2	R131,132	"Intro to C++", Lynwood Wilson, Zortech v2.0 compiler
C++ 3	R133	"Intro to C++", Math Operators, For Loop
C++ 4	R134	"Intro to C++", OOP - Object Oriented Program
C++ 5	R135	"Intro to C++", Structure & organization
C++ 6	R136	"Intro to C++", Decision making
C++ 7	R137	"Intro to C++", Use of arrays
C++ 8	R138	"Intro to C++", Pointers, Memory, Addresses, Math
C++ 9	R139	"Intro to C++", Arrays of Pointers, Void Pointers
C++ 10	R139	"Intro to C++", Structures & Classes, Constructors
C++ 11&12	R143,144	"Intro to C++", Design & implementation of assembler
C++ 13	R146	"Intro to C++", Classes & Data storage
C++ 14	R147	"Intro to C++", Use of char strings easier & clearer
C_Power 1	R86	"C_Power1", series by J. Lewis, C/80, CP/M, Z-89/100
C_Power 2	R87	"C_Pwr2", Building functs for data storage pgm
C_Power 3	R88	"C_Pwr3", Randon records using C/80 library
C_Power 4	R89	"C_Pwr4", Search for a Record
C_Power 5	R90	"C_Pwr5", Review existing record names
C_Power 6	R91	"C_Pwr6", Sort List (on a specified field)
C_Power 7	R93	"C_Pwr7", HEXOUT and random records in 'C' & CP/M
C_Power 8	R94	"C_Pwr8", Txfr to MS-DOS, Borland's Turbo C, PC Clone
C_Power 9	R96	"C_Pwr9", Modified data storage pgm used previously
C_Power 10	R97	"C_Pwr10", Creating a 'C' TextEditor for 'C'
C_Power 11	R99	"C_Pwr11", Using 'C' TextEditor to write this article
C_Power 12	R100	"C_Pwr12", Add sophistication to our 'C' TextEditor
C/NIX-80	S32	"Taking the C/NIX Route" by William DuBay, CP/M enhancemt
C/80 Compiler	R67	"Look at Software", W. Adney, from Software Toolworks
C/80 CUTPAR	R106	"Light Tap...", D. Keller, Cut paragrph in PIE & TEXT
C/80 CUTPAR	R109	Ltr- Glitches to 'Light Tap', D. Keller
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C/80 Library	R106	Ltr- HiSpeed C Library, A. Sophianopoulos, Same Ltr!
C/80 OMDOS	R95	"C/80 in OMDOS...", D. Keller, OMDOS- One Module DOS
C/80 Protect	R94	"Protected Input for 'C'", G. Appel, C/80, Z-89
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Dallas DS1216E	--	See SmartWatch, Fits under Z-100 ROM chip at U190
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Data Compresn	S19	"Z-100NB" by Alison Phillips, Compression/Compaction
Data Input	S13	"Screen Out Improper Input" by Kurt Albrecht
Data Recovery	S15	"Salvage Mem Contents Under CP/M or DOS", David Felstul
Data Security	R86	"Computer Data Security", D.C. Shoemaker, Data danger
Data Separator	L1	Q&A: What does data separator board do?, Z-100
Data Separator	L4	Word Filters Down from Bill Johnson, Heath Co., Z-100
Data Sharing	L17,19	"Passing Info Between Computers", Techniques
Data Structures	R49	"Intro to Data Structures", E. Yount, BASIC, FORTRAN
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DATE.COM Patch	L122	"Date Patch for CP/M 3's DATE.COM"
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dBASE3 ->ZPC	R71	"ZPC Update #2", P. Swayne, Patches dBASE3 for ZPC
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dBASE4 Prob	L13	"dBASE IV v1.1 doesn't work w/ZPC v2 & Scottie Brd"
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DDEU Patch	R44	PatchPage- DDEU replace block cursor w/underline.
DEBUG	R61	"Make Z-100 WordStar Faster", P. Swayne, Use DEBUG
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Desktop Publish	R132	"Inexpensive Hand Scanners...", M. Haverstock, PCs
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desNET	S35	Notes- NTI desNET lan pkg links Z-100 to PCs
DESPPOOL	S1	"Print Spoolers..." by Kenneth Patrick, for CP/M
DESQview	R133	"Look at DESQview", S. Shapiro
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DESQview-386	R146	"DESQview-386...", S. Shapiro, 80386 or 80486 PC
DESSIILE.BAS	L92	Insert: "ZBASIC Sailing Ship", Graphics Pgm; T. Klein
DETECT Util	L43	"HD Utility that Locates, Isolates Bad Sectors"
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Device Driver	R82	"LeadEdge", W. Adney, What is a device driver?
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Diablo	R34	"Period Cruncher, Diablo Lettering Pgm", F. Clark
Diablo 630	S15	"Z-100NB" by Alison Phillips
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DIAG v4 Probs	L115	"DIAG Has Probs w/SHARE.EXE", Freezes or false errors
DIAL.ASM	R69	"Computer Aided Dialing...", R. Hirsch, Z-100
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Diet Mangr	R43	"SuperCalc as a Diet Manager", J. Johnson
Digitizers	R132	"Inexpensive Hand Scanners...", M. Haverstock, PCs
Directory	R81	"Get Started w/Hierarchical Dir", E. Pang
Directory	R82	"Get Started w/Hierarchical Dir"
Directory	R149	"Practical Tips", N. Visco, Backup Root Directory
Directory Comp	L20	"Lindley's Directory Compare Utility"
Directory Dots	L5,6	"Taking Advantage of Dorothy Dot"
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Directory Mgmt	S17	"Z-100NB" by Alison Phillips, DOS directories & paths
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Disassembler	R05	"Intelligent Disassembler", J. Warner, ExtBenHarBASIC
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Disk Access	R79	"Faster Disk Access...", P. Swayne, DOS, Z-100 & PC
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Disk Cache	S38	"Z-200 Series" by William Locke, DOS v3.21's disk cache
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Disk Directory	R18	"Disk Catalogs from BASIC or Tiny PASCAL", L. Suarez
Disk Directory	S28	"Z-100NB" by William Locke, disk directories
Disk Format	R110	"Is This Disk Formatted?", P. Swayne, IS.COM, Z-100&PC
Disk Formats	R48	"H/Z Comp Disk Drives/Formats", H. Fale, Quikdata
Disk Formats	R131	"LeadEdge", W. Adney, Disk Compatibility
Disk HdSecFD	R23	"Sector Zapper", R. King, Using Hard Sector disks, Z-89
Disk HdSecFD	R32	"Moving Up to Soft-Sector...", A. Philips, Z-89
Disk Management	S9	"Disk and File Management" by Dean Gibson

Disk On Module	L113	Insert: "IDE CF Disk on Module (DOM)"
Disk Prob	L62	Ltr- Disks with powdery substance may have mold
DiskPack	L6	"DiskPack Floppy Disk Device Driver Package", Z-100&PC
DiskPack	L9	Q&A: Will DiskPack Work w/PC Emulators? Should, Z-100
DiskPack	L27	"High-Density 3.5" FDrive...", DiskPack Reqs DS=2or3 Get Teac 3.5" 1.44mb/720k drive, Model #FD235HF-3201
DiskPack Corr	L127	"DiskPack Corrections & Update"
DiskPack Prob	L14	Q&A: DiskPack HD disks not PC readable?
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DiskPk Update	L23,24	"DiskPack v2.04 Update", Problem fixes & prob w/dCOM
DiskPk-EasyPC	L21,23	Only 2 Want DiskPack Support for UCI EasyPC
Display Video	L3	"Z-100 Video Display"
DisplayWrite	L47	"Bits&Bytes", DisplayWrite III has probs w/DOS v2.11
DMOUSE	S37	"Z-100NB" by William Locke, P. Herman's Mouse products
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DOODLER	S17	"Affordable Graphics for Z-100" by Marilyn Harper
DOODLER	S27	"Z-100NB" by William Locke, review
DOODLER Gfx	R52	Ad- Doodler from Paul Herman, Z-100 Color, ZDOS
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DOODLER V	R82	Ad- DoodlerV from Paul Herman, ZDOS v2, Z-100 & PC
DOODLER V	R89	"DoodlerV", K. Lerch, Review, ZDOS, Z-100 & PC
DOODLER V	S29	"Making Title Slides on Z-100/150" by Gordon Nichols
DOODLER V	S40	"Making Most of Frames & Textures in ..V" by P. Herman
DOODLER V 256c	CN21	"256 Color VGA & SuperVGA Support", PCs
Dorothy Dot	L5,6	"Taking Advantage of Dorothy Dot", Works w/SUBST
Dorothy Dot Bug	L18	"Dorothy Dot's Bug" /COPY
DOS BatchFile	R80	"Develop DOS Batch Files...", E. Pang, WORKDISK.BAT
DOS BACKUP	R123	"File Backup Utils", F. Starr, XCOPY.EXE & BACKUP.EXE
DOS Buffer	R43	"What is a Buffer", J. McGraw, HDOS
DOS Buffers	L26	SuperQuiz: When does DOS update it's buffers?
DOS CED	R107	"Know Your abCEDs", E. Schindler, The Command Editor
DOS .COM Pgms	R85	"Something Common About DOS & CP/M", B. Wilkinson
DOS Commnd Line	S30	"Editing DOS Command Lines - Easily" by William Adney
DOS Commands	S18	"Z-100NB" by Alison Phillips, trans./resident commands
DOS Compatible	S9	"Why Won't That IBM-PC Software Run?" by Graham Wideman
DOS Compatible	S11	Ltr- Peter Norton comments on DOS-Generic Software
DOS ConsoleSwap	R38	"Z-100 ZDOS Swap Program", M. Aagenas, MASM
DOS DateTime	R40	"DateTime, ZDOS AutoTime Updatr", F. Clark, ASM, Z-100
DOS DIR	R114	Ltr- DIR in two cols, J.B. Gibbons, Easy fix
DOS Disk Cache	S38	"Z-200 Series" by William Locke, DOS v3.21's disk cache
DOS DiskCatalog	R73	"Where's That File...", P. Fuhrmeister, ZBASIC, Z-100
DOS Error	R89	"LeadEdge", W. Adney, DOS Error Messages
DOS ESC Func	R49	"Implement ESCape Seqs for...", W. Adney, Z-100
DOS ESC Func	R52	Missing listings for FormFeed, W. Adney
DOS Evolution	R119	"Evolution of DOS", R. Brenner, History of DOS, PCs
DOS Evolution	R121	Ltr- News for Brenner, N. Harris, Works w/Z-386, Mouse
DOS File Attrib	S37	"Get at DOS File Attribute", Jon Snader, "C" pgm ctrl
DOS FileTxfer	R58	Ltr- Can't transfer files between computers in DOS
DOS FileTxfer	R63	Ltr- Response to File Txfer issue
DOS Filters	CN22	"All About DOS Filters", Paul Herman
DOS Func Keys	R136	"Pgm Function Keys...", P. Carboni, Reqs ANSI.SYS
DOS IF Command	S20	"Z-100NB" by Alison Phillips, using DOS IF Command
DOS Key Sequenc	R120	"PwrUp", W. Adney, Use Spec Zenith & MS-DOS Key Seqs
DOS Memory	--	Also see Expanded Mem & Extended Mem
DOS Memory	L23	"Memory Allocation under MS-DOS", Mem mgmt, Mem Ctrl
DOS Memory	R134,135	"Breaking the...DOS", David Lind, The 640k limit, PCs
DOS Memory	R136,137	"Breaking the...DOS", Use of expanded/extended memory
DOS Memory	R143	"Clearing Up the Memory Mystery", P. Swayne
DOS MODE Cmd	R119	"Problem Solv...", D.C. Shoemaker, MODE Command
<b>DOS Note</b>	--	To avoid confusion, ALL Zenith MSDOS is called Z-DOS, and Zenith MSDOS for PC-clones will be called PC-DOS.



DOS Pipes	CN22	"All About DOS Filters", Paul Herman
DOS Piping	S20	"Z-100NB" by Alison Phillips, DOS piping & redirection
DOS PREP	R110	BugZap- Pg30, PREP hangs w/#150-330-C1 WestDigt Ctrlr
DOS PUP	S18	"Z-100NB" by Alison Phillips, MS-DOS Pmgr's Util Pack
DOS PUP	S22	"Z-100NB" by W. Locke, BSE editor & Pmgr's Util Pack
DOS PUP	S27	"PUP Utils: Zenith's Useful Tools...", by William Adney
DOS PUP	S28	Ltr- Correction to Mr. Adney's PUP article
DOS PUP v3	S26	"Pmgr's Util Pack:..." by William Adney, review
DOS PUP v3	S27	Ltr- Another view of the PUP v3.
DOS Redirection	CN22	"All About DOS Filters", Paul Herman
DOS Shell	R108	"LeadEdge", W. Adney, Directory Scanner, QFILER
DOS Shell	R109	"Pwr User Shell", K. Grantham, Norton Commandr v2, PC
DOS Shell	R112	"PwrUp", W. Adney, DOS Shell Pgms
DOS Shell	R131	"Get Start w/DOS Shells", A. Neibauer, Norton Cmdr
DOS SUBST Cmd	R119	"Problem Solv...", D.C. Shoemaker, SUBST Command
DOS XCOPY Cmd	R119	"Problem Solv...", D.C. Shoemaker, XCOPY Command
DOS 32Mb Limit	R81	"LeadEdge", W. Adney, History of PC HDisk Support
DOS <-> CP/M	L122,123	"22DISK, CP/M <-> DOS Disk Interchange Utility"
DOS2	S17	"Moving Up to DOS 2" by Wayne Rash, Jr., pipes, paths
DOS2 - 96tpi	R58	Ltr- It's Arrived, FAT change affects 96tpi drives
DOS3	R85	"LeadEdge", W. Adney, DOS 3 Commands
DOS3	S23	"Z-100NB" by William Locke, Z-100's MS-DOS v3 review
DOS3 Review	R79	"Look at MS-DOS v3.1", W. Adney, Chgs for Z-100 & PC
DOS3.2 Bug?	R112	BugZap, Pg 63, DOS3.2 won't read disks work w/DOS3.1
DOS3.2 Review	R88	"Review of MS-DOS v3.2", R. Mueller, Z-100PC
DOS3.3	R120	"LeadEdge", W. Adney, MS-DOS3.3 Plus
DOS3.3 Backup	R121	Ltr- Discovered Prob, B. Rothman, BACKUP 3.30.06 bug
DOS3.3 Bug	R112	Ltr- Bug in MS-DOS3.3+, H. Cole, Prob w/F3 functnkey
DOS3.3 Bug	R114	Ltr- Dr. Cole's Bug, J. Miller, F1,F2,F3 in Zen's OS
DOS3.3 DiskUtil	R121	"LeadEdge", W. Adney, Zenith MS-DOS3.3 Gen Disk Utils
DOS3.3 DiskUtil	R124	"Get Start w/ZDS' General Disk Utils 1", J. Axelson
DOS3.3 DiskUtil	R126	"Get Start w/ZDS...2", Exam/edit disk data, undelete
DOS3.3 FORMAT	R114	"LeadEdge", W. Adney, 1.44Mb 3.5" & 1.2Mb 5.25" drive
DOS4.0	R129	"LeadEdge", W. Adney, Missing ZDS Gen Disk Utils
DOS4.0	R130	"LeadEdge", W. Adney, Install, CONFIG.SYS, Commands
DOS5 vs DRDOS6	R146	"DR DOS 6.0", T. Wilk, Digital Research DOS vs MS-DOS
DOS5.0	R145	"Inside DOS 5.0, New Commands", M. Haverstock, DOSKEY
DOS5.0	R146	"DOS 5.0, Really Improved?", M. Haverstock
DOS5.0	R147	"DOS 5.0 Features & Confog Tips", R. Siebers, History
DOS5.0	R147	"LeadEdge", W. Adney, MS-DOS 5.0
DOS & Unix	R114	"DOS & Unix, Pt1", T. Bing, Differ & similarities
DOS & Unix	R124	"DOS & Unix, Pt2", Features of MKS Toolkit
DOS & Unix	R121	"DOS & Unix, Pt3", Stalking the Great 'awk' Unix Util
DR DOS Windows	R147	"Look Through Windows at DR DOS Operating", T. Fox
DR DOS6.0	R146	"DR DOS 6.0", T. Wilk, Digital Research DOS vs MS-DOS
Drive Bernoulli	L6	Q&A: Bernoulli removable cartridge drive on Z-100?
Drive Capacity	S19	"More Disk Capacity for Your '89" by Jeffrey Goldman
Drive Capacity	S20	Ltrs- Comments regarding adding drives to the '89
Drive CD-ROM	L21	"Programmers Wanted for CD-ROM Support"
Drive CD-ROM	L24	"CD-ROM Drives", Bill Flanagin moderately successful
Drive Combo	L32	"Two By Two In One" by R. Hassard; TEAC dual 3.5/5.25"
Drive Combo	L39	Ltr- There are NO terminal resistors on combo drives
Drive Combo	L76	Insert: "TEAC Dual Density Floppy Drvs", TEAC FD-505
DRIVECFG v4	L112	Insert: "DRIVECFG v4" document & chg to CONFIG.SYS
Drive CONFIGUR	L18	"Z-100 Configuration Tip", Configure drive steprates
Drive Ctrlr Mod	--	See Z-207 Mods
Drive DiskPack	L6	"DiskPack Floppy Disk Device Driver Package"
Drive DiskPack	L9	Q&A: Can DiskPack be used w/PC-emulators?
Drive Dual	L76	"Dual Density Drives on the Z-100"
Drive Dual/Quad	L42	Insert: "Dual/Quad Density Drive", Jumper settings
Drive Density	R81	Ltr- Extended Density..., D. Jerome, J. Toscano, CP/M
Drive EMI	L81	"Tale of 2 Computers", Interference affects FDrives
Drive Enclosre	L48	Insert: "Separate Z-100 Drive Enclosure", S. Vagts

Drive Floppy	L3	"Z-100 Floppy Drives"
Drive Floppy	L9	Q&A: How to install two Z-207 controllers?
Drive Floppy	L16	Q&A: Adding more internal Floppy Drives?
Drive Floppy	L22	"Floppy Drives for the Z-100", Jumpers, etc.
Drive Floppy	L24	Q&A: Replace full height w/2 half height drives?
Drive Floppy	L62	"Z-100 Floppy Drives That Run Forever"
Drive Floppy	L76	Insert: "Floppy Drive Primer", Floppy disk technology
Drive Floppy	L99	"Another Floppy Drive Crisis", Broken Cams
Drive Floptical	L19	"Happenings", Bill Flanagan tries w/21MB Floptical
Drive Floptical	L24	"Floptical Drives", Driver package expected soon
Drive Floptical	L28	"Floptical Support Incl'd w/SCSI Software Update"
Drive Gemini	L33	"Gemini, Floppy Drives, & LapLink"
Drive Hard	--	See Hard Drives
Drive HiDen	L4	Q&A: Use of HD 5-1/4" drives on 50-pin connector
Drive Install	L81	Insert: "Appx I; Adding Second Drive" (HDisk/Floppy)
Drive Kodak	L5	"Kodak 5-1/2", 5.5 MegaByte Floppy Drive"
Drive Noise	S20	"Z-100NB", A. Phillips, Chattering/growling disk drvs
Drive Rdy Sig	L81	"Tale of 2 Computers", Numerous difficulties
Drive Resistor	L75	"Panasonic Floppy Drv!" Terminate by remove "TM" jmptr
Drive Select	L24	Feedback: Floppy Drives for the Z-100
Drive Select	L27	"High Density 3-1/2" Floppy Drv", Teac FD235HF-3201
Drive Select	L28	"Solving Floppy Drive Select Problems"
Drive Step Rate	S17	"Z-100NB" by Alison Phillips, Disk drive step rates
Drive TEAC	L34	Insert: "TEAC FD-235HF 3.5" Dual Density Drive"
Drive 3.5"	L9	Q&A: Can I use 3.5" drive at both 720K & 1.4M?
Drive 3.5"	L27	"HiDensity 3-1/2" Floppy Drives", Teac FD235HF-3201
Drive 3.5"	L30	Q&A: What is best method of upgrading to 3.5" drive?
Drive 3.5"	L34	"DiskPack & 1.4MB Drives", J. Burch; Disk not ready
Drive 3.5"	L43	Ltr- Adding 3.5" drive; general info
Drive 3.5"	L49	All 3.5" Drive Owners Take Note!; Cabling differences
Drive 3.5"	L52	Ltr- Document for Mitsubishi MF-355BA-88uF Drive
Drive 3.5"	L80	"Tale of 2 Computers", Numerous difficulties
Drive 3.5/5.25"	L32	"Two By Two In One", R. Hassard; TEAC dual 3.5/5.25"
Drive 3.5/5.25"	L38	Ltr- Terminating resistors on dual combo drives?
Drive 3.5/5.25"	L76	Insert: "TEAC Dual Density Floppy Drives", TEAC FD-505
Drive 8"	L77	Insert: "Mitsubishi Model M2896-63 8" Drives"
Drive 8"	L82	"8" Floppy Drive Sea Story", FDrive install options
Drive 48/96tpi	L82	"Mix 48- & 96-TPI Drives", A hardware (Z-207) mod
Drive 96tpi	S27	"Eight-Bit World" by Walter Janowski, 96tpi disk drive
DROPMAN Game	L3	"Three Games for Z-100" by Wojtek Bok
DSBACKUP	R83,95,96	"LeadEdge", W. Adney, From Design Software
DSBACKUP	R98	"LeadEdge", W. Adney
DSBACKUP+	R104	Ltr- DSBACKUP+, P. Cziffra,
DSBACKUP+	R107	"LeadEdge", W. Adney, From Design Software, PCs
DSKCOPY4.COM	L100	Insert: "Full-featured Disk Copying Program Review"
DSKLBL.BAS	R72	"DSKLBL.BAS...", R. Boehlein, MBASIC, CP/M, HDOS, Z-89
DSKLBL.BAS	R79	Ltr- DSKLBL..., J. Nikolai, Mods for GWBASIC, Z-100
DS1216E Dallas	--	See SmartWatch, Fits under Z-100 ROM chip at U190
DUALPORT	S12	"Z-DOS Comms Roundup" by Frederick Zimmerman
Dungeons&Dragn	R25	"DND and HDOS 2.0", P. Swayne, Make Bootable disk
DUP17 Patch	R29	PPage- DUP17 Patch, P. Swayne
Dvorak Keybrd	--	See Keyboard - Dvorak
DUMP 80Tracks	R34	Ltr- Patch DUMP for use with 80 track drives

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EASY EXTRA	R107	"EASY EXTRA is Easy WORDSTAR", R. Seiler, Only PCs
EasyI/O	L127	"UCI's Easy I/O Board"
EasyI/O	S28	"Z-100NB" by William Locke, EasyI/O comms board
EasyPC	--	Z-100 PC Emulator Sys w/3 brds: Mnbrd, Floppy & Video
EasyPC	L88	"Operating EasyPC at 8MHz or faster"
EasyPC	R72	"Now I Can Run Flight Simulator", J. Buszkiewicz
EasyPC	R76	"MSDOS Cmd Piping...", W. Adney, No 96tpi Drvs allowd

EasyPC	R77	"UCI EasyPC Emulator Board", W. Adney, Review
EasyPC	R79	"EasyPC for Z-100", M. Somers, Review
EasyPC	R79	Ltr- EasyPC Emulation, T. Donovan, Everything runs
EasyPC	R82	Ltr- Injustice, C. Wiley, Comments on Adney Review
EasyPC	R83	Ltr- EasyPC Really Easy?, T. Carlisle, Chose Gemini
EasyPC	R90	Ltr- Defense of W. Adney, W. Nabor, Comments on Wiley
EasyPC	R94	Ltr- Not Everyone has Probs w/EasyPC, J. Eilers
EasyPC	S22	Ltr - Observations after installing 27 of these
EasyPC	S23	"Z-100NB" by William Locke, UCI's EasyPC review
EasyPC	S25	"IBM Emulation w/UCI EasyPC" by Wayne Rash, Jr.
EasyPC	S28	"Z-100NB" by William Locke, EasyPC problems/fixes
EasyPC DiskPack	L21,23	Only 2 Want DiskPack Support for UCI EasyPC
EasyPC Mouse	CN3	"Using Mouse Pack w/UCI EasyPC & Gemini Emulator Sys"
EasyPC Woes	L128	"EasyPC Woes"
EasyPC & CDR317	L127	"Easy PC & the CDR-317", SCSI hard drive system
EasyRAM	S31	"Z-100NB" by William Locke, review
EasyRAM Prob	L7	Q&A: UCI EasyRAM won't work with RAMPAL upgrade?
EasyWIN	S31	"Z-100NB" by William Locke, review
Easy87	S28	"Z-100NB" by William Locke, UCI's Easy87 review
Easy87 Kit	L16	"UCI 8087 Kit Available" from Quikdata Inc
EAT UM UP	L36	Insert: "EATUMUP" by Dick French; ZBASIC program
EAT UM UP	L38	"EATUMUP For Monochrome Monitors" by Bruce Ludlow
EAT UM UP	L39	Insert: "EATUMUP" by Robert Hassard; ASM version
EC Editor	S37	"Z-200 Series", William Locke, EC Editor from C Source
ECHO Command	L9	"ECHO a Blank Line in a Batch File", ECHO.
ECHO.	R110	"Menu Screens", M. Gage, Use Echo. for 'blank line'
ECI	L22	ECI (Electronic Concepts, Inc)-New Company-Fam Faces
ECO-C88	S23	"C Notes" by Joseph Katz, Ecosoft's Eco-C88 Rel 3.0
ECO-C88 v4.0	S33	"Z-100NB" by William Locke, Ecosoft's C88 Compiler
ECO-C88 v4.0	S36	Ltr- Patching ECO-C88 CED for the Z-100
ECO-C88 v4.0	S37	Ltr Response - patching ECO-C88 CED is NOT necessary
ECO-C88 v4.0	S38	Ltr- Using CED with Gemini and ZPC w/Scottie Board
EDIT Patch	R29	PPage- HDOS EDIT Patch, P. Swayne
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EDIT.ASM Patch	R55	PPage- HUG Z-DOS Editor, EDIT.ASM, Patch
EDLIN Patch	R62	"LeadEdge", W. Adney, Comments/patch on ZDOS EDLIN
Education	S10	"Educational Software Roundup" by Frederick Zimmerman
ED48 Editor	S27	"Z-100NB" by W. Locke, ED48 Editor uses 48 lines/scrn
ED-A-SKETCH	R32	"Ed-A-Sketch & MBASIC" by C. Pepper
ED-A-SKETCH	S9	"Drawing on H/Z Computer: Ed-A-Sketch" by Lee Syer
ED-A-SKETCH	S11	Ltr- Additional info on rescuing pictures
ED-A-SKETCH	S25	"MBASIC Simulation" by Robert Rasch, blood press reg
EDLIN	S22	"C Notes" by Joseph Katz, make grafx screens w/EDLIN
EDLIN	S31	"EDLIN: An MS-DOS Lifeboat" by William Adney, review
EEPROM Gemini	L19	Prob Using EEPROM Board w/Gemini, use newer ROM
EEPROM/SCSI	L10	"Bootable Memory Disk Contest"
EEPROM/SCSI	L13-15	"SCSI Host Adaptor", Progress report
EEPROM/SCSI	L17	"Update", LifeLine SCSI Board & Related Items
EEPROM/SCSI	L18	"New Product Update", SCSI Board & other items
EEPROM/SCSI	L21	Discussion of CD-ROM support at the Get-Together
EEPROM/SCSI	L22-23	Probs btwn EEPROM & 8087 w/8088 Users, V20 OK, Was PAL
EEPROM/SCSI	L26-28	"LifeLine Bootable EEPROM/SCSI Boards", 6 of 60 left
EEPROM/SCSI	L37	"Scottie Clock & LLSCSI Conflict", With fix
EEPROM/SCSI	L52	Ltr- LLSCSI, Impremis/Seagate 450MB SCSI fine
EGAD	R119	Ad- GrafX & Text Screen Print Pkg for VGA, EGA, CGA
EGAPAIN	R109	"EGAPAIN2005", F. Kent, Color HiRes draw pgm, PCs
Email	--	LifeLine Email addr: z100lifeline@swvagts.com
EMI	L81	"Tale of 2 Computers", Interference affects FDrives
Emulator	R60	"Op Sys Emulators", P. Swayne, HDOS, CP/M, Z-100
Emulator	S26	"Write Hdware-Independ Term Emulator", William Hall
ENABLE	R90	Ad- ENABLE Pkg: WProc, Spreadsh, GrafX, Dbase, Comms
ENABLE	R92	"LeadEdge", W. Adney, Software Group ENABLE, Z-100
ENABLE	S30	"Z-100NB" by William Locke, ENABLE review

ENABLE Mouse	R120	"Mouse Capability for ENABLE", E. Zimmerman, Z-100 & PC
ENABLE Print	R147	"Print ENABLE's Gadgets", M. Packard, Gadgets in Tools
ENABLE Review	R91	"...Review Enable", G. Elwood, Software Pkg
ENABLE Shorthnd	R106	"ENABLE, Its Shorthand Joys", D. Lirones, Z-100PC
ENABLE2	R91	"Intro Enable 2.0...", E. Zimmerman, Software Pkg, Z-100
ENABLE2	R97	"Enable 2.0 Revisited", E. Zimmerman, GrafX & Menu Gen
ENABLE2 1	R95	"ENABLE a Start", G. Elwood, Integrated Software Pkg
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ENABLE2 4	R98	"Pt4", Database Management
ENABLE2 5	R99	"Pt5", Intermediate Word Processing
ENABLE2 6	R100	"Pt6", Intermediate Spreadsheets
ENABLE2 7	R101	"Pt7", Intermediate Database Management
ENABLE2 8	R102	"Pt8", Advanced Word Processing
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ENABLE2 14	R109	"Pt14", Tutorial MACROS
ENABLE2 15	R110	"Pt15", Tutorial MENUS
ENABLE2 16	R111	"Pt16", Tutorial Telecommunications
ENABLE2 17	R112	"Pt17", Advanced Data Base
ENABLE3 1	R136	"ENABLE Revisited", George Elwood, Spreadsheet, PCs
ENABLE3 2	R137	"ENABLE Revisit2", Word processor capabilities
ENABLE3 3	R138	"ENABLE Revisit3", Spreadsheet improvements
ENABLE3 4	R133	"ENABLE Revisit4", Basic spreadsheet graphics
ENABLE3 5	R134	"ENABLE Revisit5", Advanced graphics
ENABLE3 6	R139	"ENABLE Revisit6", Database - a beginning
Encryption	S30	"C Notes" by Joseph Katz, OR.C: min encryption
EPROM Burner	L71	Ltr- Larry Correa has EPROM Burner, if needed
EPROM Pmgr	R12,13	"Build Your Own EPROM Pmgr", P. Swayne, H8
EPROM Pmgr	R14	Ltr- Correction to EPROM, J. Gillogly
EPROM Pmgr	R75	"Review of ID-4801 EPROM Pmgr", J. Buszkiewicz, RS-232
EPROM Pmgr	S20	Notes- Heath's new ID-4801 EPROM Pmgr for 2500/2700
Epson FX/MX-80	--	See FX-80 or MX-80 listings.
Epson LQ-570e	L80	"H--ry -ot--- and the Magic Printer" Review by Hank Lotz
Epson SD-680L	L42	Insert: "Dual/Quad Density Drive", Jumper settings
Epson SMD-1040	L42	Insert: "Dual/Quad Density Drive", Jumper settings
EPWRFILE	L115	"EPWRFILE Doesn't Work", w/Image file on IDE device
Equations	R13	"Simultans Equations", G. Sellers, MBASIC, Gauss-Jordan
Equations	R91	"Master Equations...", C. Feuchter, Equation Master, PC
Equations	R94	Ltr- ChiWriter for Sci..., R. Ludeman, Re EquatMastr
Equations	R111	"TK SOLVER Plus, Ptl", E. Wiggins, Equation Solver
Error Trapping	S13	"Trap Errors w/o Losing Error Msgs" by Stan Lockhart
ESCAPE Codes	L8	Q&A: Can ESCAPE Codes be issued from keyboard? ECHO
ESCAPE Codes	L36,37	Insert: "Heath/Zenith and ZANSI ESCAPE Sequences"
ESCAPE Codes	L38	"Lotus 1-2-3 & WordStar Comments" by Bruce Ludlow
ESCAPE Codes	L47	"Ptr Ctrl Code Routines", Send codes w/o using BASIC
ESCAPE Codes	L52	Insert: "ZBASIC ESCAPE Codes"
ESCAPE Codes	R40	"ESCAPE with FORTRAN and PASCAL", J. Sams
ESCAPE Codes	R45	Ltr- Standardize ESCAPE Code Use, W. White
ESCAPE Codes	R95	"Understanding Printer ESCAPE Codes", S. Vagts
ESC Codes ANSI	R65	"ANSI, Std Screen Interface...", G. Roberts, H/Z Comp.
Escape Game	L5,6	"Escape from Warehouse", Thierry Klein; ZBASIC Listg
ESDI HD Ctrlr	S36	"WinWorld" by J. Richard Hines, ESDI hard disk ctrlr
ETA-3400	R05	"...ETA-3400 MicroProc Trainer Accessory", L. Frenzel
ETA-3400 Mem	R08	"ETA-3400 Memory Mod", J. Gregory
ET-100	L15	"Use MTR-100 v3 in ET-100", Dwain Henderson, Reqs mod
ET-100 Drive	R77	"1.2Mb Drives...", P. Swayne, ET-100 similar to Z-100
ET-100 Drive	R86	Ltr- 1.2Mb drives..., K. Goto, Teac FD-55G drive
ET-100 RAM	R73	"768k in the ET-100", P. Swayne, Reqs Mod
ET-100 RAM	R77	"768k Update", P. Swayne, Correction

ET-3400 BASIC	R07	"ET-3400 & Tiny BASIC"
ET-3400 BASIC	R15	"Tiny BASIC Tricks", G. Brown, TIC-TAC-TOE game
ET-3400 Check	R11	Ltr- ET-3400 Checkbook Valid pgm, G. Brown, TinyBASIC
ET-3400 Check	R14	Ltr- ET-3400 Checkbook Valid pgm, G. Brown
ET-3400 RR Game	R19	"Russian Roulette..."
ET-3400 HomeCtl	R13	"Home Control w/ET3400", M. Frieders, BSR HomeCtrlSys
ET-3400 HomeCtl	R16	"More Home Ctrl w/ET3400", M. Frieders, Mods
ET-3400 Morse	R09	"ET-3400 Morse Code Reader", L. Graue, Add Circuit
ET-3400 Morse	R14	"ET-3400 Morse Code Txmtr", A. Wolach, Add Circuit
ET-3400 Morse	R17	Ltr- Errs to 'Morse Code Txmtr', L. Aamodt
ET-3400 RTTY	R04	"Reading RTTY on ET3400", L. Graue, Add Circuit
ET-3400 SS-50	R21	"Interface Your ET-3400 to SS-50 Bus", G. Kelm
ET-3400 Voice	R22	"Give Voice to Your ET-3400", J. Hubbard
Everex 3000	R142	"Add Expanded Memory...", D. Jerome, PC AT
EXCEL	S35	"WinWorld" by J. Richard Hines, MS EXCEL spreadsheet
EXCHGR8.BAS	L51	Insert: "EXCHGR8.BAS", Mueller-Herget; Calcs data avg
Expanded Mem	R110	BugZap, Pg31, Expanded Mem explained for 80286 AT
Expanded Mem	R113,136	"LeadEdge", W. Adney, HDrive & ExpandMem in DOS3.3+
Expanded Mem	R139	"LeadEdge", W. Adney, UMBs =1st 6 blocks >640k ExpMem
Expanded Mem	R120	"...Use EMM.SYS", W. Adney, EMM.SYS Expand Mem DevDrvr
Expanded Mem	R134,135	"Breaking the...DOS", David Lind, The 640k limit, PCs
Expanded Mem	R136,137	"Breaking the...DOS", Use of expanded/extended memory
Expanded Mem	R141	"Expanded Memory", J. Eichenberger, What is it?
Expanded Mem	R142	"Add Expand Memory...", D. Jerome, Everex 3000 Delux
Expanded Mem	R143	"Clearing Up the Memory Mystery", P. Swayne
Expansion Mem	R123	"LeadEdge", W. Adney, Memory above 640k
ExpressPCB	L94	"ExpressPCB Circuit Board Making Software"
Express-12	S37	"Z-150 Series", Russell Letson, Z-150/151/158 12MHz
Extended Mem	R110	BugZap, Pg31, Extended Mem explained, XENIX 80286 AT
Extended Mem	R136	"LeadEdge", W. Adney, Expanded vs extended memory
Extended Mem	R139	"LeadEdge", W. Adney, HMA is first 60K block ExtMem
Extended Mem	R143	"Clearing Up the Memory Mystery", P. Swayne
EZPLOT	R74	Ltr- Purcsd EZPLOT..., T. Riggs, Patch for Gemini Ptrs
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E-Mail	--	LifeLine e-mail addr: <a href="mailto:z100lifeline@swvagts.com">z100lifeline@swvagts.com</a>

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Fibonacci #s	R53	"FavSub", G. Holt, MBASIC for first 30 Fibonacci #s
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		Note: GIF is Graphics Interchange Format

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IBM Compatible	--	Also see DOS Compatible
IBMPc Interface	R122	Interface to IBM PC", L. Wilson, CDR Microdevices Brd
IBMPc Compat	R130	"What...? Pt1", D. Lind, How compatible is a PC-Clone? Note: IBM Compatible is based on 80xxx series of CPUs.
IDE AutoBoot	L125	"Setting IDE AutoBoot"
IDE CF Card	L113	Insert: "Z-100 IDE Dual Compact Flash (CF) Configure"
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IDE Controller	L91	"Description of new IDE Controller Card"
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IDE Ctrlr Desgn	L118	Insert: "ZIDE NVsRAM Desc & Build Inst", Charles Hett
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Imaginary SubDir	R89	"Help for WordStar...", Ami Atir, SCOUT Assigns ImagSD
IMAGINATOR	R38	"Imagination Gone Wild!", J. Buszkiewicz, HiRes Z-89
IMAGINATOR	S18	Ltr- Not compatible w/ H-89 UltraROM used w/clock
IMAGINATOR	S19	Ltr- Requires original H-89 Terminal Logic board/ROM
Inboard 386/PC	R118	"Install Intel Inboard 386/PC in Z-150", D. Caranci
Inboard 386/PC	R126	Ltr- Re Inboard 386, D. Caranci, Mistakes & omissions
Index Disk	L22	LifeLine References
Index <i>LifeLine</i>	L85	Insert: "Index of <i>Z-100 LifeLine</i> " thru #85"
Index <i>LifeLine</i>	L100	Insert: "Quick Index Card for LifeLines thru #100"
Index <i>Sextant</i>	L88	Insert: "Index of all <i>Sextant</i> " issues: 1982-1989"
Index <i>Sextant</i>	S27	Index to <i>Sextant</i> " #1-#26
Index <i>Sextant</i>	S39	Index to <i>Sextant</i> " #27-#38
InfoCom Games	L4	"Running InfoCom Games on Z-100", Roland Biggerstaff
InfoCom Games	L27	"Lost Treasures of InfoCom", Sets of 20/13 games
INFORMER	R80	"...Desktop Utils", H. Friedman, Genie, Whiz, Z-100
INFORMER	S20	"...Five Z-100 Desktop Utils" by David Felstul
Insect Repel	R75	"Plight of Roach", J. Borlowinski, GWBASIC, Z-100PC
Insect Repel	R77	Ltr- Jed's Cockroach..., J. Kruthers, Mods
INSET	R118	"Software Potpourri", R. Hudson, INSET Txt/Gfx, PCs

Installation	R54	"Installing Your Business Computer", D. Shoemaker
INSTANT HELP	R52	"Help Is Here", J. McGraw, Review
INSTANT RECALL	R135	"Get Start w/Instant Recall", A. Neibauer
Integrated Sftw	--	See each package; e.g. Lotus, Peachtext, ENABLE
Intelliburner	S17	"...Software-Controlled PROM Pgmng", Thomas Fox
Intelligence	S3	"Experiment w/Artificial Intell..." by John Mays
Interference	L81	"Tale of 2 Computers", Interference affects FDrives
Interlace Video	--	Also see Z-100 Interlace or Z-100 Video
Interleave	R97	"LeadEdge", W. Adney, Explains HDisk Interleave
Internet	L48	"OnLine Services": Mike Zinkow's exploits online
INTERROGATOR	R62	Ad- Dyson Interrogator Drive Diags Pgm for Z-100
Interrupt	L6	"Interrupts & I/O Ports...", Z-100 Interrupt Table
Interrupt	L32	"Request for Z-100 Interrupt Info & S-100 Cards"
Interrupt-Wild	L41	Ltr- MTR-ROM v3 & v4 returns to hand prompt
INT 10h	L24	"PC GrafX Chars...", PC Uses INT 10h Calls, DOSINT10
Irwin 445 Tape	L75	TapBackupProb: Set AUTOEXEC DOS environ; SET EZ_DDD=1
I/O Interface	L63	Insert: "Z-100 Software Interface", IO.SYS
I/O Ports	L6	"Interrupts & I/O Ports...", Z-100 I/O Port Assignmts

Keyword	Issue#	Article
Janus ADA	R69	"Search for a Language...", L. Hansen, Langs compared
JAVELIN	R87	"ZPC Patch#15", P. Swayne, Patch Javelin for ZPC
JAVELIN	R89	Ltr- JAVELIN.OVL, V. Reisenleiter, Overlay Patch, ZPC
JHMODEM	L14	"Computer-to-Computer Comms, Three Programs"
JHMODEM	CN20	JHMODEM: Modem Comms Pgm for Z-100"
JHMODEM	L17	"JHMODEM Update: CompuServe Support"
JHMODEM	L34,39	"Z-DOS 4.01 Bugs", Upon starting JHMODEM, scrn blanks
JHMODEM Patch	L42	"JHMODEM Fix" from John Beyers
Johnson	R34	Interview with Bill Johnson, President, Heath Co.
Joystick	L54	"Joysticks on the Z-100?"
Joystick-PSC100	L4	"Gernware PSC-100 Programmable Sound & Ctrl Board
Juki MagicWand	R55	Ltr- Patches configure Juki 6100 to MagicWand, Z-89
Juki 6100 Ptr	R74	"Close Look at Juki 6100 D.Wheel Ptr", D.C. Shoemaker
Juki 6100 Ptr	R80	Juki 6100, A. Witkins, IBM Selectric II ribbons
Julian Date	--	See Date Conversion
JULY4TH.BAS	L47	Insert: "JULY4TH.BAS", Steven Vagts; ZBASIC Fireworks
JUPITER	S34	"Z-100NB" by William Locke, Jupiter database system
JUPITER v2.2	S37	"Z-100NB" by William Locke, Jupiter v2.2 for Z-100
JU253T Drive	S34	"Z-150 Series", Russell Letson, Panasonic 3.5" 720kb
JX Printer	S39	"Add More Chars to Old Epson Prntr", Joseph Gonzalez

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KAL1000	S31	"Z-100NB" by William Locke, Network w/KAL1000 & ViaNet
KENO.BAS	L71	"Corrections to ZBASIC Games", Video probs
KERMIT	R114	"Inexpensive Software for Z-100", G. Elder, Comms
KERMIT Guide	R88	"...Guide to Kermit", V. Alfieri, File Txfer, Z-100
KERMIT v3.12	L29	"Z-100 KERMIT Version 3.12", Bo Gedda, Z-100 Comm Pkg Public Domain, From Columbia University, W/source
Key Repair	--	See Repair Key
Keyboard	L1	"Versatile Keyboard Input Routine"
Keyboard	R94	"LeadEdge", W. Adney, IBM vs Zenith keyboards
Keybrd Dvorak	R89	"Convert Keybrd to Dvorak", G. Roberts, Z-100
Keybrd Laptop	R142	"Full-size Keyboard on Laptop", P. Swayne, FSKBD
Keybrd Map	L17	"Remapping the Z-100 Keyboard", KEYMAP pgm
Keybrd Matrix	L76,77	"Inop Keyboard Key", Keyboard matrix, schematic
Keybrd Mod	L57	Insert: "Separate Keyboard for Z-100", Project
Keybrd Modes	L27	"Z-100 Keyboard Modes", Two hardware & three software
Keybrd NumLock	R110	"...NumLock Key", R. Metz, Kill NumLock on Start
Keybrd NumLock	R120	"NumLock Off", B. Hall, Expand Metz NumLock Pgms
Keybrd Templat	L12	Keyboard Templates Available from Kirk Thompson
Keybrd Upgrade	R112	"LeadEdge", W. Adney, PC Keyboards & Differences



Key Click	S8	Ltr- Silencing the Z-100 Key Click
Key Click	S8	"Get into Z-DOS Assembly Language...", D.C. Shoemaker
Key Click	S9	Ltr- Another, simpler method of silencing key click
Key Click	S12	Ltr- Silencing key click in Peachtext 5000
Key Click	S12	Ltr- Silencing key click using AUTOEXEC.BAT
Key Click	S17	"DEBUGging Z-100 Key Click" by Kenneth Van Wyk
Key Click	S18	Ltr- Use PROMPT to silence key click
Key Click	S29	"...Another '100 Key Click Pgm!" by John Davis
Key Code Chart	L105	Insert: "Key Code Chart for FONT"
KEYMAC	S32	"Z-100NB" by William Locke, letting keyboard do work
KEY PUBLISHER	R143	"Budget Desktop Publish...", P. Swayne
Key Repeat	S17	"Add Auto Key Repeat to '89/19" by Ray Albrektson
Key Repeat	S18	Ltr- Correction to key repeat circuit for '89/'19
Key Repeat	S19	Ltr- More corrections to key repeat figures & tables
Key Repair	--	See Repair Key
KEYMAP Patch	R44	PPage- KEYMAP not working under CP/M 2.2.02.
KEYMAP Patch	R45	PPage- KEYMAP use with WordStar
KEYMAP Patch	R63	PPage- To work with Z-DOSv2.13, P. Swayne
KEYMAP Patch	R67	PPage- Corrects last ASM code, JZ for JNZ & reverse.
KEYMAP Patch	R75	PPage- Z-DOS3 Wrong Vers Err 885-3010-37
KEYMAP Patch	R78	PPage- Typo error in R75 KEYMAP patch
Kids & Comptrs	S8	"Kids & Computers:..." by Frank & Mary Lynn Hutchison
Kitchen Z-100	L67	"Unique Z-100 Christmas Challenge", Kitchen helper
Kit H-120	S7	"Building Heathkit's H-120" by Hurley Cook
Kit H-120	S8	Ltr- Another view of H-120 building
Kodak 5Mb FD	L5	"Kodak 5-1/2", 5.5 MegaByte Floppy Drive", J. Pierce
Kodak 5Mb FD	R128	"5.5MB FDrive, Z-100", G. Elwood, Kodak 5.25", 384tpi
Kodak 5Mb FD	R124	"6.6Mb FDrive...", S. Shapiro, Kodak 5.25", 384tpi
Konan KDC-2000	L3	Q&A: Info on Konan KDC-2000 Hard Disk Ctrlr
KXP-1124	R138	"Dis an Dat Bout Ptrs", L. Vesei, Panasonic KXP-1124
KXP-1124	R148	"Quibbles nKits nBits nFits", L. Vesei, More info
KXP-1124	R149	"Printers & Letterheads...", K. Steffen, Troubles
KXP-4410	L89	"Panasonic KX-P4410 Laser Prnter Lamp Repair"

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Lab Use	S15	"R&Development Using H/Z Computers", David Felstul
Label Maker Pgm	S10	"Turn Computer into Typewriter" by Thomas Bohon
LABEL.ASM	R35	"What's in a Name", P. Swayne, Label Making Pgm
Label Addr	R42	"Addressing Envelopes/Labels", C. Romer, BASIC pgm
Label Pgm	R45	Ltr- Catalog Disks the Easy Way, J. Dove, MBASIC
LAN Hardware	R145	"LANs Best Friend", N. Baker, LAN- Local Area Network
Language SoftWr	R69	"Search for a Language...", L. Hansen, Langs compared
Language SoftWr	R74	"Search for a Language 2", L. Hansen, Langs compared
Language Softwr	R111	"Customize Your Progrmg Lang", C. Feuchter
LANTastic NOS	R143	"LANTastic", J. Babcock, Artisoft's LANTastic NOS Note: NOS is Network Operating System, from Artisoft
LapLink	R102	Ltr- Laptop Solution, L. Ochs, by Traveling Software
LapLink	R103	"Get most from Laptop, Pt3", J. Katz, Travel Software
LapLink	S39	"Portable Comptr Col" by Wayne Rash, Jr., PC Hooker
LapLink-Gemini	L33	"Gemini, Floppy Drives, & LapLink"
LaserJet	R125,128	"Pgm LaserJet Ptrs Pt1", A. Neibauer, All Langs
LaserJet	R134	"Database Publishing w/dBASE IV", A. Neibauer
LaserJet2P	R141	"HP LaserJet IIP", W. Wills, Review
LaserJet3	R133	"LeadEdge", W. Adney, HP LaserJet III
LaserJet3	R134	"LeadEdge", W. Adney, Windows 3.0 & LaserJet III
LaserJet Fonts	R133	"Add LaserJet Soft Fonts to WPerfect 5.x", W. Nabor
Laser Printer	R106	"Foreward", J. Bazhaw, LaserJet
Laser Printer	R140	"Get Start w/Laser Printer Font Tools", A. Neibauer
LaserWriter	R90	"LaserWriter Connection", J. Katz, Software on PCs
LaserWriter	R127	"...Apple LaserWriter II", P. Swayne, PCs
Leading Edge	R46	"On the Leading Edge" series by William Adney, intro
Learn C Now	R138	"Learning C...", Tom Bing, Microsoft Learn C Now book

Leisure Suit La	R95	"Leisure Suit Larry", J. Louches, Game, PCs
LetterPerfect	R137	"LetterPerfect", M. Haverstock, Skeleton of WP5.1
Letters	S13	"Three Prods to Write Letters for You", John Mays
Library-Arch	L65	Insert: "Z-100 LifeLine Archive Library", Listing
Library-GrafX	L3	"Z-100 Graphics Libraries", A Comparison
Library-PubDom	L3,4	"Z-100 LifeLine Public Domain/Shareware Library"
Library-PubDom	L23	"Accessing Public Domain Library", For Novice
Library-PubDom	CN23	"Z-100 Public Domain Library Sale"
Library-Rental	L83	Insert: "The Z-100LL Library", Books & Manuals to Rent
Library-Softwr	L71,102	Insert: "Index to Z-100 Software Library Catalog!!"
Library-Softwr	L102	Insert: "Z-100 Software Library CD-ROM"
LifeLine	L31	"Z-100 LifeLine is Alive After 30!", Intro Vagts
LifeLine CD-ROM	L108	"Z-100 LifeLine CD-ROM Library!", 30 Issues/CD
LifeLine Copy	L83	Insert: "Z-100LL Library", Z-100 Newsletter BkCopies
LifeLine Editor	L28	"Z-100 LifeLine: Still Alive After 30?", Vagts offer
LifeLine Subs	L15	Future of LifeLine: Facts & Figures, Subscriber #
LifeLine Survey	L11	Chart of 1991 LifeLine Survey results
LifeLine #1-30	--	Published/Edited by Paul F. Herman
LifeLine #31-	--	Published/Edited by Steve W. Vagts
Light Pen	L6	Quiz: Software Wizardry's PALETTE uses Light Pen
Light Pen	L9	"Light Pens Part1 - The Hardware", Z-100
Light Pen	L10	"Light Pens Part2 - BIOS Support", Z-100
Light Pen	L11	"Light Pens Part3 - Software", Z-100
Light Pen	L19	"GW-BASIC and the Light Pen"
Light Pen	R80	"...L-PC Lite-Pen", J. Buszkiewicz, Light Pen, Z-100PC
Light Pen	R86	"...Light Pen", R. Doolittle, MSDOS CALC(885-8043-37)
Light Pen	R86	"One Little...", J. Buszkiewicz, Lite-Pen's Pixel-Plus
Light Pen	R134	"Get Start w/Mice & Pens", A. Neibauer
Lightek HDisk	R141	"Ext HDisk...", H. Fale, Lightek ex-Port 20Mb HDisk
Link Computers	--	See File Transfer above
LISP	S20	"Some more Lisp Basics", Also see muLisp
LISP/80	R27	"Chain LISP" by S. Schwartz, Intro, Z-89
LISP/80	R67	"Look at Software", W. Adney, from Software Toolworks
LLSCSI Board	--	Also see EEPROM/SCSI
LLSCSI Team	L13	Z-100 LifeLine SCSI Development Team (Spring'91): Paul Herman: Proj Coordinator, EEPROM Pgmng, Marketing Robert Hassard: Engineering Design, Prototype Develop Robert Donohue: MTR-100 ROM & BIOS Pgmng William Flanagan: SCSI Programming Travis Barfield: Parts Acquisition & Manufacturing Uses American Micro Devices: AM28F010 Flash EEPROM SCSI Host Adaptor: NCR 5380 chip
LLSCSI Features	L15	LifeLine SCSI Host Adaptor/Bootable EEPROM Features
LLSCSI Features	CN20,CN21	"SCSI Host Adaptor/Bootable EEPROM Board"
LLSCSI Orders	L15	"LifeLine SCSI Board: Now Taking Orders", \$249.00
LLSCSI Review	L87	Insert: "Complete Docs/Schematics on LLSCSI Board"
LLSCSI Status	L17	"Update: LLSCSI Board..."
LLSCSI Update?	L86	"Do we want to update LLSCSI/EEPROM Board?"
LOAN Amort Pgm	L39	Insert: "Z-100LL LOAN Amortization Program", ZBASIC
Logic Gates	S40	"ZBASIC Sim of Logic Gates" by William McKenzie
Logitech C-7	L4	"Using MS Word v5 on Z-100", G. Faini, Logitech C7
Logitech C-7	L4	Q&A: Get Z-100 to work w/Logitech C-7 Mouse, Patch
Logitech C-7	R94	Ltr- C-7 Logi Mouse, AutoCAD, & Z-100, R. Hassard
Logitech C-7	R99	"Interfacing C-7 Mouse to Z-100", R. Hassard
Logitech C-7	R102	Ltr- Logitech Mouse..., R. Hirsch, Windows, Z-100
Logitech C-7	R106	Ltr- Use Logitech Mouse w/Windows, R. Hirsch, Patches
Logitech C-7	R109	Ltr- Z-181 & Logitech C-7, J. Linton, Won't work, Pwr
Logitech Publis	R104	"Logitech Publisher", E. Zimmerman, Dsktop Publ, Z-100
LOGO	S25	"Z-100NB" by William Locke, Z-100 LOGO from Clarkson
LOOK.COM	L30	"LOOK.COM", Paul Herman, Simple file viewer w/source
LOOK.COM	L68	"LOOK.COM Scrolling Prob", Can't deal w/25 LineScrn
LOOK.COM	L116	"Lines Per Screen Problem with LOOK.COM", Fixed
LOTUS AGENDA	R116	"Lotus Agenda", K. Grantham, Personal Info Mgr (PIM)

LOTUS Color	R66	"Put Color Into Lotus 1-2-3", D. Rath, Z-100 & PC
LOTUS123	L38	"Lotus 1-2-3 & WordStar Comments" by Bruce Ludlow
LOTUS123	R104	"Get Start w/Lotus 1-2-3", A. Neibauer
LOTUS123	S12	"1-2-3 for the '110/120" by Wayne Rash, Review
LOTUS123 R3.0	R121	"LeadEdge", W. Adney, Lotus123 v3.0 Prob
LOTUS123 R3.1	R147,148	"Lotus 1-2-3, Rel 3.1", C. Stevenson, Min 286 &2Mb RAM
LOTUS123 R3.1	R149	"Lotus 1-2-3, Rel 3.1", Formatting, graphs, Pie Charts
LOTUS123 Y2K	L67	Ltr- Lotus 1A hopelessly confused by Y2K?
LOTUS ->ZPC	R71	"ZPC Update #2", P. Swayne, Patches LOTUS for ZPC
LPH24.DVD	R18	"Versatile LPH24.DVD", T. Andrews, Mods
LPH44 PtrDvr	R61	Ltr- LPH44.ASM Mod to pause at page end, M. Porter
LQP02 Printer	R92	Ltr- Interface Digital LQP02 to SerPort, G. Duke
LQP02 Printer	R94	Ltr- Soln to DEC Prtrs, R. Gristak, XON/XOFF protocol
Lucidata PASCAL	S6	"Pascal Elucidated" by Hugh Kenner, Review
Lucidata PASCAL	S7,9	Ltrs- Add'l info by Hugh Kenner & timing comparison
Lucidata PASCAL	S14	"File Management Under L.Pascal" by Donald Risher

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MACAT Disk Cat	R79	"MACAT Disk Catalog Sys", L. St.Martin, BASIC, Z-100
MACAT Disk Cat	R88	Ltr- MACAT:, L. St.Martin, Chgs for Z-100PC (Z-158)
MACE Util	CN23	"...Herman Utilities", Mace Util Bad on Z-100
MACE Util	R83	"LeadEdge", W. Adney, From Paul Mace Software
MACE Util	R94,95	"LeadEdge", W. Adney, From Paul Mace Software
MACE Util	R102	"LeadEdge", W. Adney, & Quattro have same Q.EXE
MACE Util	R107	"LeadEdge", W. Adney, MACE UNFRAG util
MACE Util	R119	"LeadEdge", W. Adney, MACE 5 and MACE GOLD
MACE Util	R131	"LeadEdge", W. Adney, Thoughts
MACRO86 ASM	R90	"...Macro86 ASM Course, Pt1", R. Brownlee, Disk I/O
MACRO86 ASM	R92	"...Macro86 ASM Course, Pt2", XENIX or Tree Directory
MACRO86 TermCtl	R53	"Terminal Ctrl...Fortran & Macro-86", M. Manivannan
MACRO86 TermCtl	R55	Ltr- Correction to "Term Ctrl", M. Manivannan
Magnolia RAM	R26	Ad- Magnolia 128k RAM board, Z-89
Magnolia Boards	R35	64K and 256K Network Ctrlrs, CP/M & MP/M OS.
MagicWand	R37	"Computer Romance...", L. Sparrow
MagicWand	R38	"In Defense of Magic Wand", D. Garwood
MagicWand	R83	"Order Out of Chaos", S. Marschall, Card catalog like
MagicWand	S18	"Quest for Ultimate W.Processor" by Kenneth Daniel
MagicWand	S18	"Z-100NB" by A. Phillips, MW can edit WordStar files
MagicWand	S20	Ltr- Magic Wand, PeachText can edit WordStar files
MagicWand BASIC	R81	"Your WProcessor Speak BASIC?", L. Durney,
MagicWand Cursr	R33	Q&A- Patch to Magic Wand Undrln or Block Cursor, Z-89
MagicWand Cursr	R77	Ltr- Annoyed by Blk Cursor?, D. Fisher, Use DDT, Z-89
MagicWand Custm	R61	Ltr- Customizing Magic Wand, N. Rickert
MagicWand Drive	R65	Ltr- MW can't handle >4 drive parts, J. Stoffel, Z-89
MagicWand Juki	R55	Ltr- Patches configure Juki 6100 to MagicWand, Z-89
MagicWand Menu	R103	"Prepare Menu-Driven Include Files...", K. Thompson
MagicWand MPI	R56	Ltrs- MW & MPI99G comments, solution by B. Atwood
MagicWand Patch	R45	Ltr- Patches for Matrix Printers
MagicWand Print	R70	"Print Processor For MW", R. Stokes, BASIC, ASM, Z-89
MagicWand Print	R79	Ltr- Fixes For MagicWand, H. Treibs
MagicWand Revu	R42	"The Wand vs. The Star" by J. Immerwahr, Z-89
MagicWand SPELL	S20	"Z-100NB" by A. Phillips, MW's SPELL vs PT's SPELLER
MAILMERGE	R103,113	"Use WordStar's MAILMERGE...", R. Camp, Rosters
MAILMERGE	R112	"Use MailMerge...", J. Bazhaw, Feature of MS WORD
MAILPRO	R82	"Refielding Util...", K. Thompson, MBASIC, Z-89
MAILPRO	R83	"Txfer MAILPRO Files...", K. Thompson, MBASIC, Z-89
MAILPRO	R51	"Bells & Whistles for MAILPRO", T. Best, HDOS, MBASIC
MAILPRO Patch	R53	Ltr- Patch "delete" for "Bells...", S. Magee
MAJIC Pro-C	S26	"C Notes" by J. Katz, MAJIC's Pro-C reviewed
MAKEBIOS	R26	"Making Sense of MAKEBIOS", Pat Swayne, CP/M
MAKEBIOS err	R27	Correct 2 small errors to article listing, P. Swayne
Mako MH89+3	R34	"Give H-89 a bigger bite" extension board, P.Swayne

Mandelbrot Set	R95	"Mandelbrot Set", B. Dubbs, Mathematic Func- Fractals
Map Software	S14	Notes- World Map Projection Software
Map World	R66	Ad- Map Projns of World, M. Pittman, pg33, Z-100 & PC
MAPLE Patch	R66	Ltr- Patch Maple CP/M2.2.04, W. Parke, Drive # bug
MAPLE Patch	R66	Ltr- Maple Patches, W. Parke, HDOS and CP/M, Z-89/100
MAPLE Patch	R67	Ltr- CP/M MAPLE Patch, W. Parke, CP/M 2.2.04
MAPLE Z-89	R67	Ltr- March '85 Ltr..., K. Quebbeman, MAPLE & Z-89 bug
MAPMEM	R123	"Manage DOS Resident Pgms", M. Wilson, Map Mem Util
Mapping Sys	S12	Notes- Computer Mapping Sys for H/Z-100 & Z-150/160
Mapping Sys	S28	Notes- World Data Bank Map Database
Mapping Sys	S40	"Perspectives on PASCAL", Ben Ezzell, Micro WDB II
MarkXII Modem	R65	Ltr- Need a Modem, D. Sutherland, Signalman Mark XII
Marquee Pgm	--	See MBASIC Marquee below
MASM	R101	"Get Started w/MASM", P. Swayne, Procedures, Z-100
MASM ZDOS Pgm	R48	"ASM on the Z-100...", series by D.C. Shoemaker
MASM3.2	L73	Ltr- Latest version of MASM3.2 is on the Web
MASM4	R78	Ltr- Probs w/MASMv4.0 and A-150 BIOS, R. Mueller
MASM4 EOF	R88	"Cure MASM4.0 EOF Prob", P. Swayne, End Of File, Z-100
MASM4 Patch	R80	Ltr- Patch on MASM4 multiple EOF chars, R. Mueller
MASM4 Patch	R102,103	Ltr- Patch For MASM4 Prob, R. Mueller
MASM4 Patch	R110	Ltr- Fix for a Patch, B. Pennington, no Extra Chars
MASM5	S34	"Z-100NB" by William Locke, MASM v5 MS Macro Assembler
Master 'C' Book	R138	"Learning C...", Tom Bing, Waite Groups' Master C
MASTERKEY	R90	"MASTERKEY...", J. Buszkiewicz, Unlock protect schemes
Math Functions	--	See Trig Functions below: "Double-Prec" using BASIC
MAZE Game	L3	"Three Games for Z-100" by Wojtek Bok
MBASIC	R10	"Getting Started w/MBASIC & HDOS", W. Campbell, Z-89
MBASIC	R11	Changes to Campbell's 'Get Start' Article
MBASIC	R59	"MBASIC Revealed:/Concealed", J. Broome, HDOS, Z-89
MBAS Algorithm	R46	"What's an Algorithm", J. McGraw, MBASIC
MBAS Anima	S36	"Catch a Falling Letter", Frank Hutchison, for kids
MBAS ASM	R11	"Addendum to MBASIC Sftwre Ref Manual", Appx E - ASM
MBAS ASM	R12	"MBASIC to Machine Code Link", G. Kabelman
MBAS ASM	R21	"MBASIC to Machine Code Link Revisited", HDOS & CP/M
MBAS ASM	R41	"Look at FAC", H. Friedman, Floating Point Accumulator
MBAS ASM	R44	"...ASM Subroutines for MBASIC", F. Hochschild, HDOS
MBAS ASM	R53	"ASM Subroutines with BASIC", A. Gilchrist
MBAS ASM	R64	"ASM Routines in MBASIC", R. Wrathall, CP/M, Z-89
MBAS ASM	R69	"Load ASM Routines in MBASIC", M. Zapolski, CP/M, Z-89
MBAS AT	R12	"Using AT: In MBASIC" by W. Moss, Z-89
MBAS BinSearh	R21	"Binary Search for MBASIC" by W. Campbell, Z-89
MBAS BarGraph	S10	"Classy Bar Graphs" by Robert Rasch
MBAS BaseConv	R26	Ltr- MBASIC Split Octal to Decimal for ASM, Z-89
MBAS BaseConv	R27	Ltr- MBASIC Decimal to Binary conversion pgm, Z-89
MBAS Battleshp	S7	"BASIC Battleship" by Clair Doughty
MBAS Battleshp	S9	Ltrs- Modifications for Z-BASIC
MBAS Calc	R53	"Intelligent Calc", R. Sanders, Intel for Home Finance
MBAS CALC.BAS	R62	"CALC.BAS", W. Reese, For CP/M2.2.03 and MBASICv5.21
MBAS Canoeing	S12	"Canoe Ride in MBASIC" by Raymond Dotson
MBAS CheapCalc	--	See CHEAPCALC
MBAS CHECK	R42	"Personal Checks & Balancing", D. Thomas, CP/M
MBAS CHECK	R50	Ltr- Re "Personal Checks & Balancing"
MBAS Xmas Pgm	R35	"Christmas Graphics" on-going display, J. McGraw, Z-89
MBAS Xmas Pgm	R38	Ltr- "Christmas Graphics" speed changes, J. McGraw, Z-89
MBAS Xmas Pgm	R42	Ltr- "Christmas Graphics" add'l
MBAS CAL.BAS	R65	"Inside MBASIC PGM Files", J. Harper, Calc Pgm start
MBAS CALYPSO	R65	"Inside MBASIC PGM Files", J. Harper, PgmFile Explorer
MBAS CALYPSO	R71	Ltr- Fixes errors in "Inside MBAS", R. Tripp
MBAS CALYPSO	R77	Ltr- Correction, J. Harper, Need semicolon, line 10300
MBAS CHASE Game	R13	"CHASE - Animated Graphics Game", T. Stanley, Z-89
MBAS Clock	R82	"Software Clock/Cal...Pt1", R. Horner, MBASIC, Z-89
MBAS Clock	R87	"Software Clock/Cal...Pt2", Conclusion & Undoc items
MBAS Clock	R89	Ltr- TIMARQ, D. Schueman, Dsply Dat/Tim Line25, Z-89

MBAS Clock	R92	Ltr- Correction to TIMARQ, appears cut off & no author
MBAS Color	R57	"...Color Slides from CRT Display", R. Telepak, MBASIC
MBAS CTRL	R21	Ltr- Disable CTRL-C and CTRL-A in MBASIC, G. Hawthorne
MBAS CONVERT	R64	"CONVERT!", R. Dotson, #'s Conversion Pgm, CP/M, Z-89
MBAS CONVERT	R66	Ltr- "CONVERT!", R. Dotson, Add'l info
MBAS CRG.BAS	R65	"Inside MBASIC PGM Files", J. Harper, CrossRef Utility
MBAS CRG.BAS	R75	Ltr- Harper's June 85 Art, M. Zapolski, ZBASIC, Z-100
MBAS CRG.BAS	R77	Ltr- Correction, J. Harper, Needs several chgs
MBAS CROSSREF	R55	"Inside MBASIC", D. Dodgen, Cross Ref Utility
MBAS CROSSREF	R58,59	Ltrs- Comments on errors, C. Mowery
MBAS DataStrc	R49	"Intro to Data Structures", E. Yount, BASIC, FORTRAN
MBAS DateCvsn	R61	"...KISS Dating", R. Winkler, Julian-Calendar Convsn
MBAS Debug	S14	"Two Debugging Tricks for MBASIC", Arthur Thomas
MBAS DEMO Pgm	R19	"Menu-Driven Demo Pgm", G. Sevin, ExtBHBASIC
MBAS DEMO Pgm	R22	Ltr- Chgs to 'Menu-Driven' for H-89, A. Zimmer
MBAS DEMO Pgm	R45	"Run HandsOff Demo ...Pgm", V. Arias, run w/DEMO.BAS
MBAS DiskOps	R27	Ltr- MBASIC pgm prints tracks, clusters, & sectors
MBAS DSKLBL	R72	"DSKLBL.BAS...", R. Boehlein, MBASIC, CP/M, HDOS, Z-89
MBAS Equations	R13	"Simultans Equations", G. Sellers, MBASIC, Gauss-Jordan
MBAS ESC Codes	R25	Ltr- Place ESCape Codes at start of Pgms, B. Meyers
MBAS File Mgmt	R11	"File Handling in BASIC" by J. Tennant, Z-89
MBAS File Mgmt	R12	"File Catalog in MBASIC", B. Heady
MBAS File Mgmt	R41	"Reading Disk Files While in MBASIC", B. Eson, Z-89
MBAS File Mgmt	R43	"CONC.BAS File CONCentrator", R. Evans, MBASIC
MBAS File Mgmt	R46	Ltr- More on CONC.BAS, J Vaccaro
MBAS File Mgmt	R49	"Files & File Handling", David Warnick
MBAS File Mgmt	R53	"Practical File Mgmt", D. Warnick, Part1, File Handling
MBAS File Mgmt	R54	"P. File Mgmt 2", File handling funcs, add modules
MBAS File Mgmt	R55	"P. File Mgmt 3", More modules
MBAS File Mgmt	R56	"P. File Mgmt 4", Adding a print module
MBAS File Mgmt	R57	"P. File Mgmt 5", Adding final modules
MBAS File Mgmt	R62	"Sequential Files 1", series by David Warnick
MBAS FlowChrt	R43	"Pgm Simple... Flow Charts", D. Warnick, WORD game
MBAS FlowChrt	R44	"Pgm Simple... Word Game Cont.:", D. Warnick
MBAS FuncKey	R47	"Special Function Keys", D. Warnick, Z-89 FuncKeys
MBAS GoTo	R54	"Paying the GOTO Ransom", D. White, Alternative GOTO
MBAS GraphIt	R49	"Simply Graph It!", C. MacKeand, BASIC code display #s
MBAS Grafx	R09	"H-19 & H-89 Graphics in MBASIC"
MBAS Grafx	R42	"Progming Grafx Shapes", D. Warnick, Jumbo Ltrs/numbrs
MBAS Grafx	R50	Ltr- Corrections to "Pgm Grafx Shapes", D. Warnick
MBAS Guess	S20	"DISCOVER: MBASIC Guessing Game", Ray Dotson
MBAS HDOS	R74	Ltr- MBASIC Patch for HDOS, T. Thompson
MBAS HDOS	R10	"Get Start w/MBASIC & HDOS...", W. Campbell, RndmFiles
MBAS HEX2DEC	R69	Ltr- Sympathize..., J. Joiner, Adds to "Hi-Res Grafx"
MBAS INPUT	R27	"Protected Input in HDOS MBASIC", R. Thompson, Z-89
MBAS INPUT	R28	"Bullet Proof Software", J. Blake
MBAS INPUT	R53	"...MBASIC Accepting Input...", R. Lucka, Z-89, CP/M
MBAS INPUT	R62	"Bulletprf Garbage Filters", K. Schultz, Input Filters
MBAS INPUT	R67	Ltr- Foolproof..., J. Costanza, Comments on "INPUT"
MBAS INPUT	R67	Ltr- Corrections to "Filters", K. Schultz
MBAS Inv Trig	R26	"BASIC Idea, Invers Trig Functions", F. Wunder, BHBASIC
MBAS In/Out	R34	"On MBASIC Input / Output", H. Appleby
MBAS Integer	R73	"Integer Arithmetic...", K. Mortimer, CP/M, HDOS, Z-89
MBAS Integer	R127	"Single-byte Integers in BASIC", K. Granzow
MBAS Intro	R41	"BASIC Computing", new column by David Warnick
MBAS Key Poll	R35	"Key Polling from BASIC", R. Reichert
MBAS Key Poll	R40	Ltr- Comments and errors found in above article.
MBAS Label	R45	Ltr- Catalog Disks the Easy Way, J. Dove, Label prntg
MBAS Library	R12	"Maintain (Subroutine) Lib in MBASIC", D. J. Powers
MBAS Lottery	S19	"BASIC Q/A" by Edward Byrnes, computer lottery numbers
MBAS LPRINT	R43	"LPRINT in CP/M MBASIC", T. Jensen
MBAS MAILPRO	R51	"Bells & Whistles for MAILPRO", T. Best, HDOS
MBAS Manual	R11	"Addendum to MBASIC Sftwre Ref Manual", Appx E - ASM

MBAS Marquee	S14	"MBASIC Marquee", Raymond Dotson, elect billboard
MBAS Marquee	S17	Ltr- Suggestion for HDOS version
MBAS Math	S37	"BASIC Arithmetic Drill" by Thomas Currie
MBAS MemGrab	R25	"BASIC Mem Grabber", R. Reichert, FOR/NEXT loop, Z-89
MBAS MemGrab	R28	Ltr- Add'l info to force the loop, B. Hall
MBAS MemMapV	R51	"Pseudo Mem Mapped Video", F. Hochschild, ASM, HDOS
MBAS Menu	R26	"Menu Program Revisited", E. Pang, Z-89
MBAS Menu	S18	"Menu Control w/HDOS MBASIC" by Rick Streeter
MBAS Menu	S19	Ltr- Error in Menu Ctrl article regarding PATCH.ABS
MBAS Menu	S20	Ltr- Info on chg DIRECT.SYS from Menu Ctrl letter
MBAS Merge	R15	"Sort & Merge Sequential File Data", W. Campbell
MBAS Morse	R41	"Morse Code Practice...", B. Horn, MBASIC, Z-89
MBAS Morse	R43, 45, 49, 50	Ltrs- Comments on Morse Code Practice, above
MBAS Morse	R62	Ltr- Morse Code Amended, G. Motes
MBAS MORTGAGE	R71	"MORTGAGE.BAS", B. Moskus, CP/M, Z-89
MBAS MUVIT	R70	"MUVIT, BASIC Boost for Spreadsheets", L. St.Martin
MBAS MUVIT	R73	Ltr- MUVIT Correction, L. St.Martin
MBAS MUVIT	R77	Ltr- Correction: MUVIT.BAS, L. St. Martin
MBAS NUMBERS	R20	"NUMBERS", G. Kabelman, Example of CAI, MBASIC
MBAS OCT->DEC	R26	Ltr- Convert Split OCT to DECimal, G. Hawthorne
MBAS Othello	R27	Ltr- Fix for the graphics game pieces, Z-89
MBAS Output	R11	"MBASIC Output Flexibility, CP/M", J. Thomas, Z-89
MBAS Output	R32	"How to Flip/Flop..." on above art by J. Thomas, Z-89
MBAS Output	R43	Ltr- More on switching output btwn console & printer
MBAS Patches	R41	"...Echo On Delete..." Patch, P. Swayne
MBAS PC.BAS	R65	"Inside MBAS PGM Files", J. Harper, MBAS Concentrator
MBAS PC.BAS	R71	Ltr- Fixes errors in "Inside MBAS", R. Tripp
MBAS PC.BAS	R77	Ltr- Correction, J. Harper, Needs several chgs
MBAS Picture	R42	"Draw/Print a Picture...", R. White
MBAS Picture	R45	Ltr- Improve "Draw/Paint Pict" above, J. Hoover
MBAS POKE	R18	"MBASIC POKE ... a No-No?", T. Jensen, H-89
MBAS PROLOGUE	R09	"PROLOGUE for MBASIC"
MBAS Protect	R85	"Unprotect...", W. Simpson, File recovery
MBAS Protect	R89	Ltr- Unprotect BASIC, J. Earl, Easier method
MBAS ProtInpt	R27	Ltr- Protected input to HDOS MBASIC, Z-89
MBAS RAM	R55	"Inside MBASIC", D. Dodgen, How MBASIC uses RAM, Z-89
MBAS RAM	R57, 58, 59	Ltrs- "Inside MBASIC" Complaint and add'l comments
MBAS RAM	R64	"Inside MBASIC" revision to work on Z-100
MBAS RAM	R65	"Inside MBASIC PGM Files", J. Harper, CAL.BAS
MBAS RndmFile	R44	Q&A- Lose last part of MBASIC random file using PIP?
MBAS RndmFile	R50	"Random Files", D. Warnick, MBASIC
MBAS RndmFile	R51	"Random Files, Sorting 1", D. Warnick
MBAS RndmFile	R52	Correction (pg63), D. Warnick
MBAS RndmFile	R52	"Random Files, Sorting 2", D. Warnick
MBAS RndmFile	R55	Ltr- Comments on Field Lngth in OPEN Statmt, R. Berger
MBAS RndmFunc	R49	"...Random Numbers & Random Function", K. Mortimer
MBAS RealTime	R18	"Real-Time Functions under HDOS MBASIC", Z-89
MBAS RealTime	R33	Another stab at Real-Time Func...", D. Grover, Z-89
MBAS RECOVER	R65	Ltr- RECOVER.BAS use to recover file, D. Talkington
MBAS ROCKET	R14	"ROCKET", R. Comito, BHBASIC or MBASIC, Z-89
MBAS Rndoff	S11	"Exploring MBASIC Roundoff Error", Robert Crawford
MBAS SCRNCCLK	R65	Ltr- MBASIC Pgm to Ctrl SCRNCCLK, M. Reed, Z-89
MBAS ScrnFmt	R12	"Screen Formatting in BASIC", B. Thomas, Z-89
MBAS ScrnFmt	R20	Ltr- Minor chgs to 'Scrn Format', J. Ingram
MBAS Scroll	S33	"Scrolling w/MBASIC", Ray Dotson, Scroll thru CP/M
MBAS Seq File	R15	"Sort & Merge Sequential File Data", W. Campbell
MBAS SeqFile1	R62	"Sequential Files 1", series by David Warnick
MBAS SeqFile2	R63	"SeqFiles 2", Create/use Sequential Files
MBAS SeqFile3	R64	"SeqFiles 3", Adding or Chging Seq Files
MBAS SeqFile4	R65	"SeqFiles 4", Working with Arrays
MBAS SeqFile5	R65	"SeqFiles 5", Handling Large Files
MBAS Simu	S25	"MBASIC Simulation", Robert Rasch, blood press reg
MBAS SORT	R09	"MBASIC SORT", W. Campbell

MBAS SORT	R15	"Sort & Merge Sequential File Data", W. Campbell
MBAS Sound	R28	"Linking Sound-89 to MBASIC", G. Duke, Z-89
MBAS StrtLins	R46	"Pgm 4 Fun", G. Hill, Start BASIC pgms w/these lines
MBAS String	R09	"MBASIC String Finder", R. Kaytor
MBAS Strings	R16	"Create, Chg, Disply, Print, Addr File", G. Kabelman
MBAS Strings	R16	"Manipulating String Data w/MBASIC, W. Campbell, Z-89
MBAS Subrout	R46	"Building Block Subroutines", M. Caddy, Z-89
MBAS Subrout	R51	"Fav BAS Sub", R. Seiler, Timer routine
MBAS Subrout	R51	"FavSub", M. Payne, Number Days betwn Dates
MBAS Subrout	R51	"FavSub", R. Stiewe, Software Switch
MBAS Subrout	R51	"FavSub", R. Stiewe, Fix PRINT & LPRINT
MBAS Subrout	R52	"FavSub", A. Calhoun, Insert 1 or more second pause
MBAS Subrout	R54	"FavSub", G. Holt, Alternative to above pause
MBAS Subrout	R53	"FavSub", G. Holt, Provides first 30 Fibonacci numbers
MBAS Subrout	R53	"FavSub", F. Schmidt, Print anywhere on screen
MBAS Subrout	R53	"FavSub", J. Hafey, Use POKE to choose PRINT device
MBAS Subrout	R55	"FavSub", F. Cepulkowski, Alternative POKE
MBAS Subrout	R57	"FavSub", J. Pierrel, Comment on Cepulkowski POKE
MBAS Subrout	R57	"FavSub", C. Lovett, Comment on Cepulkowski POKE
MBAS Subrout	R65	"FavSub", G. Holt, Best of Pierrel & Lovett, Upr Case
MBAS Subrout	R54	"FavSub", D. Kletter, Process single-letter answers
MBAS Subrout	R54	"FavSub", F. Kent, Right justify prntr output
MBAS Subrout	R54	"FavSub", W. Scott, Print date/time on printer
MBAS Subrout	R54	"FavSub", W. Sandlin, Convert Hex to Dec
MBAS Subrout	R55	"FavSub", A. Smith, Pgm to set ZBASIC Func Key defines
MBAS Subrout	R55	"FavSub", C. Lovett, Calc Gregorian/Julian Dates
MBAS Subrout	R55	"FavSub", J. Fennen, Screen Dump avoids Horiz Tab Bug
		Note: Horiz Tab Bug is where pgms use diff# spaces for Tab
MBAS Subrout	R56	"FavSub", S. Ruks, Input #s Calculator style
MBAS Subrout	R56	"FavSub", R. Dotson, Forcing Upper/Lower Case
MBAS Subrout	R56	"FavSub", C. Toomey, Keypad cursor movement
MBAS Subrout	R56	"FavSub", J. Malone, Simulate BASIC's INKEY\$
MBAS Subrout	R56	"FavSub", M. Jones, Allcaps string to upper&lower case
MBAS Subrout	R58	"FavSub", M. Jones, Correction to my upper/lower case
MBAS Subrout	R56	"FavSub", A. Calhoun, RANDONIZE
MBAS Subrout	R57	"FavSub", P. Manney, Conversion Table Cent-Fahr
MBAS Subrout	R57	"FavSub", P. Manney, Title Scroll Protection
MBAS Subrout	R58	"FavSub", G. Cramblitt, Compute freespace on CP/M disk
MBAS Subrout	R58	"FavSub", W. Palmer, Center a string on a page
MBAS Subrout	R65	"FavSub", G. Holt, Simple screen dump
MBAS Subrout	R66	"FavSub", S. Allen, Pgm to layout screen displays
MBAS Subrout	R66	"FavSub", A. Calhoun, Time delays of <1 sec.
MBAS Subrout	R66	"FavSub", B. Parrott, Determine CPU type
MBAS Subrout	R66	"FavSub", M. Brenner, Demo of BASIC "TILING" option
MBAS Subrout	R66	"FavSub", L. Wier, Get CONDOR to use Special Chrs
MBAS Sunrise	R12	"Sunrise, Sunset", L. Schearer, ?BASIC
MBAS Sunrise	R15	Ltr- Correct "Sunrise, Sunset", M.G. Keeney, ?BASIC
MBAS TermCtrl	R46	"Stds for Terminal Control", D. Warnick, HDOS, CP/M
MBAS TermCtrl	R50	Ltr- Corrections to "Term Ctrl", D. Warnick
MBAS TermCtrl	R53	Ltr- Corrections to "Term Ctrl", D. Bailey
MBAS TermCtrl	R64	Ltr- Biorhythm Mod to "Term Ctrl", E.F. VanNostrand
MBAS Text	S28	"Justify Text w/MBASIC or PASCAL", Ronald Claustra
MBAS Tidbits	R06	"Tidbits on MBASIC", K. Borden
MBAS TitlePgm	R47	"Auto Title Pgm for BASIC Pgms", R. LeBlanc, Z-89
MBAS TrigFunc	R33	"MBASIC 4.7 Trig Function Errors", by A. Bose
MBAS Turnkey	R25	"Turnkey Ops w/CP/M, MBASIC, & SUBMIT", R. Conde, Z-89
MBAS TYPIST	R68	".. Need A Typewriter", F. Ormand, TYPIST.BAS, Z-89
MBAS TYPIST	R74	Ltr- Typewriter..., W. Remington, Mod for BSpac, Z-150
MBAS TYPIST	R75	Ltr- More than..., R. Cavin, "Typewriter" for Z-100
MBAS TYPIST	R76	Ltr- Add'l on "Typewritr", T. Few, For H-8, Z-89, HDOS
MBAS Underline	R90	Ltr- Patch for HDOS MBASIC, J. Smith, HDOS MBASIC
MBAS USRDEF	R20	Ltr- Example of MBASIC USRDEF function, W. Campbell
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MBAS VARPTR	R21	"VARPTR in MBASIC", T. Jensen
MBAS Versions	R89	"Convert HDOS MBASIC to Other MBASICs", K. Thompson
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MBAS WORDgame	R43	"Pgm Simple... Flow Charts", D. Warnick, WORD game
MBAS WORDgame	R44	"Pgm Simple... Word Game Cont.:", D. Warnick
MBAS WORDgame	R45	"Completing Our Game of Words", D. Warnick
MBAS WORDgame	R44	"Word-Search Puzzle Generator", L. Oswald
MBAS WORDgame	R76	Bugs and Z-100 program vers of "Word-Search"
MBAS Wormrace	S13	"Wormrace" by Raymond Dotson
MBAS 25thLine	R38	"25th Line Subroutine Writer...", T. Towery, Z-89
MBASIC->ZBASIC	R44	"Conv PCBASIC Pgms to ZBASIC", J. Stetson
MDISK.ASM	R75	Bug in Z-DOS PUP MDISK.ASM, R. Ziegenhorn, Z-100
MDISK.DVD	R82	Ltr- MDISK.DVD from MS-DOS2, E.W. Davie, Size RAM
MDISK.DVD	S15,17	"Z-100NB" by Alison Phillips, RAM drive
MDISK.DVD	S19	"RAM Drives for '100" by D.C. Shoemaker
MDISK.DVD	S21	Ltr- Increase MDISK's RAM capacity up to 512k
MDISK.DVD	S28	"Assemble New Memory Disk..." by John Batbie, Jr.
MDISK.DVD	S29	Ltrs- Fixes MDISK.DVD bug to enable MDISK to work
MDISK.DVD	S29	"Z-100NB" by W. Locke, DOS v2 MDISK & PUP v2 MDISK
MEDIA MASTER	R65	AD- MediaMstr to txfer Foreign File Media, Z-100 & PC
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MegaBASIC	R83	"MegaBASIC...", R. Tilden, American Plang Corp, Z-100
MEGARAM-150	S23	"...1216k RAM for Your '151" by Richard Mueller
MEGARAM-150	S40	"FBE's Memory Enhancement..." by Timothy Weil, review
Melody	R139	"Melodies for Pgms", R. Moon
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Memory Alloctn	L23	"Memory Allocation under MS-DOS", Mem mgmt, Mem Ctrl
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Memory Map	L1	"An Overall Picture: The Z-100 Memory Map"
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Memory - Z-205	L1	Q&A: Can Z-205 Memory Board be used as RAM Disk?
Menu BASIC	R07	"Menu for BASIC Pgms", K. Hauser, And load by number
Menu BATCH	R93	"Batch Menu System", E. Zimmerman, Uses batch files
Menu BATCH	R110	"Menu Scrn", M. Gage, Use Menu Screens in BATCH files
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MENU.BAT	R135	"MENU.BAT", S. Vagts, PAINT, HELLO.SCN, AUTOEXEC.BAT
Messenger3	S10	Ltr- Memory Messenger III by SCM, excellent printer
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MFM-200 Monitor	R114	BugZap, Pg42, MFM-200Setup on Z-200 computer, No pix
MH89+3, Mako	R34	"Give H-89 a bigger bite" extension board, P.Swayne
MicroEMACS	R114	"Inexpensive Sftwre for Z-100", G. Elder, Text Editor
MICRO LINK2	S12	"Z-DOS Comms Roundup" by Frederick Zimmerman
Microline 82A	R32	Ltr- Okidata Microline 82A comparable to MX-80.
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MICROPLAN	S4	"Eight Spreadsheets Compared..." by Kenneth Patrick
Microsoft 'C'	S26	"C Notes" by Joseph Katz, MS's "C" Compiler v4
MS 'C' Bugs	R97,100	"LeadEdge", W. Adney, MS 'C' Compiler probs
MS QuickC Bugs	R97	"LeadEdge", W. Adney, MS QuickC may scramble FAT!
MS WORD	R70	Ltr- No Support for Prowriter 8510A, F. Knottenbelt
MS WORD	R109,113	"Get Start w/ MS WORD", J. Bazhaw
MS WORD	S14	"MS Word & Mouse: Do They Click?" by David Felstul
MS WORD	S18	"Quest for Ultimate WordProcessor", Kenneth Daniel
MS WORD MAILMRG	R103	"Use WordStar's MAILMERGE...", R. Camp, Rosters
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MS WORD Publishg	R117	"Publish w/MS WORD, 9pin Ptr", J. Uretsky, FANCY WORD
MS WORD2	R74	"Sum of Squared...", W. Nielsen ZDS vs Microsoft rel.
MS WORD2	S23	"Microsoft Word, Version 2" by Freddy Sweet
MS WORD2	S25	Ltr- Pointers on Microsoft Word, suggestions
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MS WORD3	R106	Ltr- MS Word Under ZPC, R. Ferch, Spec'l Key Combins
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MS WORD4	R94	"LeadEdge", W. Adney, MS WORD4.0, Same probs as 3
MS WORD4	R100/103	"Get Started w/MS WORD", J. Bazhaw, Vers 4
MS Word5	L4	"Using MS Word v5 on Z-100" by Glenn Faini
MS WORD5	R116	"LeadEdge", W. Adney, MS WORD5.0 & Companion Disk
MS WORD5	R149	"LeadEdge", W. Adney, Windows Upgrd, WORD, WP for Win
MS Word5 Drvr	L3	MS Word missing C.Itoh 8510A Prowriter driver?
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MS WORD PageCmp	R97	"MS WORD & Page Composition", D. Butler
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MS-DOS 2.0	R56	"MS-DOS 2.0 What is it?", W. Adney
MS-DOS 2.0	R80	Ltr- Mixed-Case..., H. Rubin, DO or do work, Do won't
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Micro/Versal	R53	Ad- Utility Reads/Writes >20 disk formats.
Micro-Works	R70	"Image Analysis...", L. Jarvis, VidDigitzrBrd, Z-100
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Mits. MF-355BA	L52	Ltr- Docs for Mitsubishi MF-355BA-88uF Drive
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Model Code	L5	Q&A: What Z-100 model numbers mean?
Model #, H/Z	R112	"LeadEdge", W. Adney, H/Z Computer Model/Series #s
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Modem	L13	"2400 Baud Modem for Z-100", PM-2400 pocket modem
Modem	L14	"Computer-to-Computer Comms, Three Programs"
Modem	L48	"Introduction to Modems"
Modem	S17	"Z-100NB" by Alison Phillips, modem considerations
Modem	S19	"Upgrade Internal Modem for '100" by Charles Layman
Modem Cable	L72	Ltr- Can you explain about Null Modem Cables?
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Modem DCE/DTE	R67	Ltr- Modem Connecting, G. Roberts
Modem FAX	L25	Feedback: Two possible alternatives for FAX Modem
Modem I/O	R10	"Ins/Outs of Modems", D.C. Shoemaker, DataTermEquip
Modem Mark XII	R65	Ltr- Need a Modem, D. Sutherland, Signalman Mark XII
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Modem Tutor 1	R40	"Modem Tutorial 83, Part 1", W. Jung, Basics, Z-100
Modem Tutor 2	R42	Part 2 covers choice of modem
Modem Tutor 3	R45	Part 3 covers modem programs and their functions
Modem Txfer	R42	Q&A- How to txfer CP/M files?
Modem Txfer	R131,133	"Modem, Data Transfer Solution", Robert Brenner
		Note: BAUD Rate vs TRANSFER Speed Chart, R133, Pg13
Modem Txfer	R135	"Modem 3", Data Compression, Huffman Coding, LEMPEL
Modem Txfer	R140	"Modem 4", Discussion of modem standards
Modem Txfer	R141	"Modem 4", Handling & transfer protocols
Modem Volume	S19	Ltr- Use ZVM-135 monitor for speaker to intl modem
MODEM7	S17	"Z-100NB" by Alison Phillips, CP/M public domain pgm
Modem 9600 Baud	R138	"Port-o-Call", L. White, Make most of 9600 Baud Modem
Modem - MTERM	R46	"A ZDOS Modem Package...", T. Jensen, Z-100, ZDOS
Monitor	L1	"Color Video Monitors for Z-100" by Travis Barfield
Monitor	L28	Feedback: Video Monitors for the Z-100
Monitor	L68	Insert: "Monitors for the Z-100", Collection of info
Monitor	L71	Ltr- "Monitor for Z-100", Sony 1302 Trinitron
Monitor	R141	"Choosing Computer Monitor", D. Veit, Display kinds
Monitor Cables	--	See Video Cabling
Monitor CRT	L1	Q&A: All-In-One CRT Replacement?

Monitor Repair	L120,121	Insert: "Zenith ZVM-13x Series Color Monitor", Info
Monitors	--	See ZVM-xxxx series monitors by model #
MORTGAGE.BAS	R71	"MORTGAGE.BAS", B. Moskus, MBASIC, CP/M, Z-89
Morse Code	R06	"Morse Code Instruction", L. Graue, Using ET-3400
Morse Code	R41	"Morse Code Practice...", B. Horn, MBASIC, Z-89
Morse Code	R43,45,49	Ltrs- Comments on Morse Code Practice, above
Morse Code	R62	Enhancements to Morse Code Practice
MORSE-8	R22	"Adapting MORSE-8 CW for H-89" by R. Anderson, Z-89
MORSE-89	R33	"Morse Code Txceiver Pgm" w/circuit, R. Anderson, Z89
Motherbrd Z-100	--	See Z-100 MBrd (motherboard)
Mouse	R134	"Get Start w/Mice & Pens", A. Neibauer
Mouse	R145	"...Make Mouse Think It's...PC Mouse", D. Shachar
Mouse	R145	"Trapping That Mouse", D. Lind, MouseDrvr, BASIC, ASM
Mouse	S14	"MS Word & Mouse: Do They Click?" by David Felstul
Mouse C-7	--	See Logitech C-7 Mouse
Mouse Menu	R93	"Mouse Driven Menu System", J. Bazhaw, Batch files
Mouse MS Bus	R110	"LeadEdge", W. Adney, Microsoft Bus Mouse
Mouse Pack	CN3	"Using Mouse Pack w/UCI EasyPC & Gemini Emulator Sys"
Mouse Pack	R76	"Mouse Pack: Review", J. Furst, Z-100
Mouse Pack	S27	"Z-100NB" by William Locke, review
Mouse Problem	L4	Q&A: Z-100 Windows Mouse Info
Mouse Serial	R110	"LeadEdge", W. Adney, Logitech Serial Mouse
Mouse ZPC	L9	"Using dCOM, ZPC & ZPC-Mouse Together"
Mouse Z-Mouse	L4	"Make Z-MOUSE Coexist w/other MDrivers", Glenn Faini
Mouse-Trak	R108	"LeadEdge", W. Adney, Serial mouse, Z-100 & PCs
MOUVCORS.BAS	L92	Insert: "ZBASIC Sailing Ship Graphics Pgm", T. Klein
Moving	S12	"You Can Take It With You:..." by Ray Albrektson
MPI Sprinter	R56	"The Sprinter by MPI", J. Buszkiewicz, portable DM Ptr
MPI-99G DM Ptr	R35	"MPI 99G Printer" by T. Jensen, Micro Peripherals Inc
MPI-99G DM Ptr	S8	"More Than Just a Pretty Face" by James Bingham
MPI-99G DM Ptr	S10	Ltr- 99G Not the Only Way to Get Around
MPI-99G MagcWnd	R56	Ltrs- MW & MPI99G comments, solution by B. Atwood
MPI-150 Grafx	R56	"Improving Grafx on MPI Printers", P. Swayne, Z-25
MTERM	R46	"A ZDOS Modem Package...", T. Jensen, Z-100, ZDOS
MTERM	S12	"Z-DOS Comms Roundup" by Frederick Zimmerman
MTR-ROM	--	See ZROM Topics; ZROM is only for the Z-100
MTR-ROM Vers	R140	"H/Z Useful Upgrades", H. Fale, Current ROM Ver table
MT8087	S21	Notes- MT8087 is MTBASIC Compiler for DOS w/8087
MT-160L Ptr	S20	"LQ, Dot Matrix: the MT-160L Printer" by Michael Ho
muLisp	S20	"Custom muLisp for '89 & '100" by Stanley Schwartz
MultiPlan	R45	"3 Sprdshts", J. Turrell; Multiplan, SuperCalc, ZenCalc
MultiPlan	S4	"Eight Spreadsheets Compared..." by Kenneth Patrick
MultiPlan ASCII	R54	"...Transfer ASCII Files Into MultiPlan:", K. Simmons
MultiPlan ASCII	R95	"...Read ASCII Files into MultiPlan, R. Heath
MultiPlan ESC	R42	Q&A- Can I send ESCs from Multiplan?
MultiPlan3	R95	"MultiPlan Update", R. Mueller, Z-100 & PC
Multiple OpSys	L101	"Using Multiple Operating Systems", Z-100
MultiSync Montr	R127	"Use NEC MultiSync Monitor...", R. Maskasky, Z-100PC
MULTI-EDIT	R105	"Multi-Edit Review", T. Lisanti, American Cybernetics
MULTI-EDIT	R145	"MUTI-EDIT v5.01P", D. Jerome, ASCII Editor/WProcessr
Music	R96	"Computers, Music & MIDI Pt1", T. Thompson, Z-89
		MIDI- Musical Instrument Digital Interface
Music	R97	"Computers...2", Hardware MIDI for the Z-89
Music	R98	"Computers...3", Three software pkgs to use MIDI
Music	R139	"Melodies for Pgms", R. Moon
MUSIC CP/M Pgm	R38	"Changing Your Tone!", F. Clark, Music Generation Pgm
MUSIC CP/M Pgm	R40	Ltr- Bug in CHR\$OUT and response.
MUSIC CP/M Pgm	R47	Ltr- Wiring the serial ports 320.
MUSIC CP/M Pgm	R50	Ltr- Repeating selected phrases, C. Horn
MUVIT.BAS	R70	"MUVIT, BASIC Boost for Spreadsheets", L. St.Martin
MUVIT.BAS	R73	Ltr- MUVIT Correction, L. St.Martin
MUVIT.BAS	R77	Ltr- Correction: MUVIT.BAS, L. St. Martin
MX-80	R29,30	MX-80 Revisited - more infor on use/settings

MX-80	R29	"H8-2 Parallel Interfacing", P. Swayne, MX-80 Pinout
MX-80	R31	Ltr- MX-80 with programs for H-88/89
MX-80	R35	"Single Page Writer ...", C. Romer, BASIC pgm
MX-80	R45	Ltr- Unwanted G or H as first output of device
MX-80	R49	Ltr- Fix to unwanted G or H.
MX-80	S39	"Add More Chars to Epson Printer" by Joseph Gonzalez
MX-80 DM Ptr	R18	Using the Epson MX-80 Printer w/Z-89
MX-80 Forms	S9	"Create Forms on your MX-80" by Leonard Geisler
MX-80 Graphics	--	See FX-80 Graphics series
MX-80 GRAFTRAX	R67	Ltr- Printer to Z-89, J. Gallagher, Only prints 7dots
MX-80 HiRes	R50	Ltr- "Prob doing Hi-Res Grafx...", C. Wilson w/MBASIC
MX-100	S39	"Add More Chars to Epson Printer" by Joseph Gonzalez
MYCALC	R81	"Ordering Unordered Data...:", A. Sophianopoulos, Z-89
MYCALC Review	R61	"SpreadSheet Corner 7", H. Bauman, Z-100

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NAVPROG7	R28	"NAVPROGseven Errata", A. Bose
NAVPROG7	R30	"The Flying Huggies" by A. Bose, patch to nav pgm
NAVPROG8	R85	Ltr- NAVPROG8 Correction, P. Ambrose, Fuel calc err
Navy Micro '85	S18	"Navy Micro '85" by Bryan Rutberg, Norfolk Conf
NEC MultiSync	R127	"Use NEC MultiSync Monitor...", R. Maskasky, Z-100PC
NEC P5 Printer	R88	"24-pin Printing", D. Alspach, Review
NEC V20 ASM	R99	Ltr- Assembler for NEC V20, D. Nord, A86 Asmlbr
NEC V20 CPU	R75	"Subdir & Cmd Pathing", W. Adney, >8088, Z-100 & PC
NEC V20 CPU	R75	"Report on NEC V20...P1", R. Mueller, Z-100 & PC
NEC V20 CPU	R76	"Report on NEC V20...P2"
NEC V20 CPU	R89	"...NEC V20", R. Ferch, 8088 Replacement, Z-100 & PC
NEC 8023 Prntr	S15	"Custom WordStar for DMatrix Prntr", Stephen Prigozy
Needles Pgm	S11	"Pi a la Mode..." by James Knowles, Solve Needle Prob
Needles Pgm	S13	Ltr- More comments on PI's BASIC Needles Program
Needles Pgm	S17	Ltr- Correction to PI formulas
Netware	R127	"Use Novell Netware on ZDS Comp...", H. Ogg
Network	R85	"Networking", F. Kent, Z-89 <-> Z-100 via Ser ports
Network	S31	"Z-100NB" by William Locke, Network w/KAL1000 & ViaNet
Network	S35	Notes- NTI desNET LAN pkg links Z-100 to PCs
Newsletter	L83	Insert: "Z-100LL Library", Z-100 Newsltr Back Copies
NEWSMASTER2	R107	"...Desktop Publshr, News Master II", P. Swayne, PCs
Norton COMMANDR	R118	"Software Potpourri", R. Hudson, Norton Cmdr, Z-100PC
Norton Util	CN23	"...Herman Utilities", Norton Util >4 Bad on Z-100
NSC800 CPU	S34	"Brain Transplant..." by Charles Horn, replaces 8085
NSWEEP	S18	"Z-100NB" by Alison Phillips, CP/M file mgmt util
Null Modem	L62	Insert: "Two Terminal Ops", Null modem cable explained
Number Float Pt	S21	Floating-Point Numbers explained in 8087 article
NUMBR Fractious	R112	"...Fractious Numbers", D. Keller, Cvt Fractions, 'C'
NUMBERS	R06	"NUMBERS-", C. Dattolo, Fixed Point & Floating Point
NUMBERS.BAS	R20	"NUMBERS", G. Kabelman, Example of CAI, MBASIC
NVELOPE	R107	"LeadEdge", W. Adney, Envelope Addressing database
NVsRAM Board	L94	Insert: "Z-100 NVsRAM Bootable S-100 Board Schematics"
NVsRAM Board	L97	Insert: "NVsRAM Bootable S-100 Board Schematic Update"
NVsRAM Board	L115	Insert: "Z-100 IDE Interface & NVsRAM Board Design"
NVsRAM FAT	L115	"IDE NVsRAM FAT Scrambled", MC14040BCP IC bad
NVsRAM Pgmg	L114	Insert: "IDE Controller Chip Design/Programming"
NVsRAM Pgmg	L116	"NVsRAM Programming Update"
NV-DISK	S29	"Z-100NB" by William Locke, Z-100 2mb RAM drive

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OBASIC	R37	OBASIC is vs 4.83 of MBASIC for CP/M. MBASIC is vs5.21
Octal #Convsn	R28	"Split Octal/Decimal Add/Sub" by R. Traub, numbers
Octal #Convsn	R30	Missing program to above article by R. Traub
Octal #Convsn	R41	"...Utils as Device Drivers", C. Horn, refers to Traub
Octoport	R128	"Heath Octoport, Intel Switchbox...", T. Perdue

OCT --> DEC	R26	Ltr- Convert Split OCT to DECimal, G. Hawthorne, MBASIC
OCT --> DEC	R28	"Split Byte OCT/DECimal Add/Subtraction", R. Traub
OCT --> DEC	R30	"Oops, the Missing Pgm" to R. Traub Article
OFFLIN	S17	"OFFLIN: Exercise in Z-100 ASM" by William Hall
OFFLIN	S18	Ltr- Go OFFLIN w/PASCAL easier
OFFLINE.COM	S16	"Z-100NB" by Alison Phillips, set Z-100 OFFLINE mode
OFFLINE.COM	S17	"Z-100NB" by Alison Phillips, Using PSC & OFFLINE
Okidata 82A	R32	Ltr- Okidata Microline 82A comparable to MX-80.
Okidata 92	S14	"Get Most Out of Okidata Printer..." by M.H. Endres
Okidata 92	S16	Ltr- Comments on Okidata paper printing difficulty
Okidata 92 WS	R63	Ltr- WordStar & Okidata 92, C. Tucker, Print issues
Okidata 92 WS	R65	Ltr- Response to WordStar & Okidata 92 Print issues
OKIDUMP.BAS	R53	"OKIDUMP.BAS", T. Ross, Okidata 92, Z-100, ZBASIC
OMDOS	R95	"C/80 in OMDOS...", D. Keller, OMDOS- One Module DOS
OmniKey/102	R112	"LeadEdge", W. Adney, Keybrd not working w/Z248 & Z386
Omni-Bridge	S40	"Z-150 Series", Russell Letson, Omni-Bridge FD ctrlr
ONECOPY Patch	R45	PPage- ONECOPY Mod to term copy ops w/wrong disk
Operating Sys	R68	"Operating Sys...", W. Adney, Fact, Fiction, Future
Operating Sys	R111	"LeadEdge", W. Adney, Operating Sys & Applications
OP AIRLIFT	L54	AVES Games: Airlift, Starfire, Starhawk, SilentRunner
ORG Plus3	R106	"ORG PLUS 3.0 Review", E. Zimmerman, Organztion Charts
Oscillator Freq	L115	Ltr- Measuring Freq of Oscillator & pin loading
OScope Digit	R77	"Dig Stor Scope...", J. Lytle, SC/IC-4802 & SD/ID-4850
Outside In	R138	"LeadEdge", W. Adney, Import files

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Packet Radio	R78,79	"Packet Radio...Pt1", L Suarez, BASIC Sim, Z-89
Packet Radio	R80	Ltr- Err in Packet Radion, L. Suarez, Typo
PACMAN	R43	Ltr- PACMAN for H/Z-89, R. Barrett, BHBASIC pgm
PACMAN	R47	Ltr- Corrections to PACMAN, J. Douglas
PAGED TxtEditor	R15	"PAGED: Text Editor Anyone Can Use" by S. Witt, Z-89
PAINT.ASM 1&2	R74,75	"PAINT.ASM 1&2", S. Vagts, Z-89 GrafX Pgm, HZFONT
PAINT.ASM 3	R85	"Enhanced PAINT.ASM", S. Vagts, Adds HELP, MOVE/COPY
PAINT.ASM 4	R95	"PAINT.ASM Again?", S. Vagts, Alt Printer Routine
PAINT.ASM 5&6	R119,121	"Color PAINT.ASM...", S. Vagts, For the H/Z-100!
PAINTER's APPR	L55	Insert: "Painter's Apprentice v1.A Graphics Editor"
PAINTER's APPR	R115	"Painter's Apprentice...", G. Elder, ZDOS2+, Z-100
PAINT100	L68	"PAINT100" by Steven Vagts; Z-100 Graphics Pgm
PAL Chips	L91	Need PAL chips for Motherboard, Gemini, 8087 Bds?
PALANTIR	S18	"Quest for Ultimate Word Processor" by Kenneth Daniel
PALANTIR	S20	"PALANTIR: WProces for H/Z Computer", Russell Letson
PALETTE	L6	Quiz: Software Wizardry's PALETTE uses Light Pen
PALETTE Review	R55	"PALETTE - Graphics for Z-100", T. Huber, Z-100
Panasonic Ptrs	--	See printer model number; e.g. KXP-1124
Parallel Port	--	See individual computer: Z-89 Parallel, Z-100 Parallel
ParalPort Circ	R51	"Serial to Centronics Parallel Converter", J. Ross
ParalPort Circ	R66	Ltr- Corr/Mod to "Ser/Parallel Cirt", K. Schotthoefter
Parity Error	R83	"WildFire Review", K. Lerch, Speed sens RAM chip/8087
PART Util	--	See HDisk PART Utility, Z-100
PART & PREP	R66	"...WatchWord & Goodies", W. Adney
Parts/Service	--	See Resources, for Z-100 service, software, parts
Patch Mystery	R28	"PATCH Mysteries Revealed", P. Swayne, HDOS,
PASCAL	R17	"Comments on PASCAL Language", F. Pospeschil, Cmp C/80
PASCAL	S1	"Candid Look at Tiny Pascal" by Arnold Madeira
PASCAL	--	"Intro to Pascal" by William Tavolga, see Tiny Pascal
PASCAL	S30	"PerPASCAL" by Ben Ezzell, Z-100 GrafXLib
PASCAL	S35	"PerPASCAL" database pgming, file access, software
PASCAL	S40	"PerPASCAL" DEFT, DIRWINDO, Flexi-Graph, Turbo Adv
PASCAL Cornr 1	R22	PASCAL Corner Series by H. Fale, Lucidata Intro, Z-89
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PASCAL Cornr 3	R25	PASCAL Corner, TAXRATE pgm, Z-89
PASCAL Cornr 4	R26	Comparing Tiny, UCSD, Lucidata, & MT+ PASCALs, Z-89

PASCAL Cornr 5	R29	Lucidata update v3.8 new features, Z-89
PASCAL Dir Sort	R82	"PASCAL Dir Sort...", T. Merriman, CP/M, DOS
PASCAL Elucid	--	See Lucidata PASCAL above
PASCAL ESC	R40	"ESCAPE with FORTRAN and PASCAL", J. Sams, using ESCs
PASCAL ESC	R64	"Elusive ESCAPE Codes", P. Simmons, using PASCAL ESCs
PASCAL ESC	R68	Ltr- Better Way to Include ESC codes, F. Westerman
PASCAL FinCalc	R53	"Discover PASCAL...", K. Remmler, Financial Calc pgm
PASCAL IBM	R69	"Search for a Language...", L. Hansen, Langs compared
PASCAL Modules	R68	"Use of Modules in PASCAL", P. Simmons, Z-100
PASCAL MT+	R69	"Search for a Language...", L. Hansen, Langs compared
PASCAL OFFLIN	S18	Ltr- Go OFFLIN with PASCAL easier
PASCAL Prime#s	R57,64	Ltr- Z-100 Bnchmark Primer, PASCAL Prime #s, Gilbreath
PASCAL Pgmng	S36	"Computer Formulas for Modern Art" by Hugh Kenner
PASCAL Pgmng	S39	"...Sends PrintOut to Disk" by Michael Schwarz
PASCAL Pgmng	S40	"...Pgm Talks to Remote Comptrs" by Ronald La Claustra
PASCAL Search	R61	"Binary Search... For Speed", P. Eustace, Turbo PASCAL
PASCAL Speed	R89	"...Tuning Your Software", L. Hansen, Z-100
PASCAL Speed89	R61	Ltr- Speed-up & Slow-Down Z-89 in PASCAL, P. Eustace
PASCAL Spiral	R64	"Spiral Magic...", G.Cramblitt, PASCAL & ZBASIC, Z-100
PASCAL Subrout	R54	"FavSub", P Eustace, Allows PASCAL to prnt password *'s
PASCAL Text	S28	"Justify Text ... PASCAL" by Ronald La Claustra
PASCAL UCSD	R20	Ltr- UCSD PASCAL, S. Hagins, UCSD's Editor, Sample Pgm
PASCAL UCSD	R43	Ltr- Request for info re printing hardcopies
PASCAL UCSD	R47	Ltr- Response to req.
PASCAL UCSD	R69	"Search for a Language...", L. Hansen, Langs compared
PASCAL UCSD	R79	Ltr- UCSD PASCAL Prob, D.C. Shoemaker, TurtleGfx, Z-100
PASCAL UCSD	R86	"Fourth OS (UCSD PASCAL)", D.C. Shoemaker, Hist & desc
PASCAL 8087Lib	R115	Q&A, Pgl1, P.Herman, MS PASCAL reqs patch of 8087Lib
Password Prot	R88	"Password Protect...", J. Kalis, PW in CONFIG.SYS, ASM
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PATH Command	S17	"Z-100NB" by Alison Phillips, more on PATH command
PC BASIC	R66	"Window Scrolling in BASIC on PC", P. Swayne, Z-100PC
PC Compatible	R54	"IBM PC Comp...Real...?", W. Adney
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PC Font	L29	"PC Double-Dot Font in Z-100 Mode"
PC Gfx Chars	L24	"PC Graphic Chars on the Z-100", PC vs Z-100
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PC LifeLine	L22,24	"PC LifeLine?", Spinoff?
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PC LifeLine	CN24	"PC LifeLine...", Hypertext navigation, Search, Print
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PC PAINTBRUSH	R149	"Printers & Letterheads...", K. Steffen, Troubles
PC Programs	--	IBM-PC Pgms that Run on Z-100: #36,#39,#40,#41,#44,#48
PC Tools	R142	"Utility", S. Shapiro, Looking for Utilities, DOS3.3
PC Tools Delux	L3	"PC Tools Delux Version 5" Review by Glenn Faini
PC Tools Delx	R114	"Get Start w/PC Tools Deluxe v5", R. O'Connor
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PC Tools Delx	R123	"PC Tools, Pt4", Look at newest version, v5.5
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PC vs Z-100	L29	"The Way It Is...The Way It Could Have Been"
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PCL Printers	S38	"WinWorld" by J. Richard Hines, HP's Print Ctrl Lang
PC89LINK	L14	"Computer-to-Computer Comms, Three programs"
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PC-DOS DiskAcc	R82	"Faster Disk Access...2, P. Swayne, DOS, Z-100PC
PC-DOS Func Key	R68	"Your Own Personal...", V. Alfieri, Func Keys PC
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PeachCalc	S4	"Eight Spreadsheets Compared..." by Kenneth Patrick
PeachCalc	S18	"Z-100NB" by Alison Phillips, same as SuperCalc
PeachCalc	S19	"Z-100NB" by Alison Phillips, use logical statements
PeachCalc Patch	R49	Ltr- Unable to load/save spreadsheet by values - fix
PeachTxt Menu	R103	"Prepare Menu-Driven Include Files...", K. Thompson
PeachTxt & WP	R73	"Peachtext vs WordPerfect...", A. Phillips, Comparison
PeachTxt5000	L64	Ltr- PRINT.COM OUT command has prob w/right margin?
PeachTxt5000	L87	"Use of DOS' SUBST Command", Work w/subdirectories
PeachTxt5000	L113	Insert: "PeachText 5000 Setup", Working w/IDE
PeachTxt5000	L116	"PeachTxt Editor: Will not Scroll", Lines/scn issue
PeachTxt5000	L116	"PeachTxt Editor: Will not load Doc", ZDOS4 Prob?
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PeachTxt5000	R46	Ltr- Will not print from the EDIT menu.
PeachTxt5000	R47	Review of each incorporated package
PeachTxt5000	R49	Ltr- Will not run on H-29 terminal w/Z-100
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PeachTxt5000	S12	Ltr- Silencing the key click in Peachtext 5000
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PeachTxt5000	S18	"Z-100NB" by Alison Phillips, can edit WordStar file
PeachTxt5000	S20	Ltr- Magic Wand, PeachText can edit WordStar files
PeachTxt5000	S20	"Z-100NB" by A. Phillips, hierarchical directories
PT5000 LstMger	R69	"...PT5000 List Manager...", A. Madeira, Track projects
PT5000 Toolkit	R62	LTR- Will Wonders..., W. Hoffman, Supports add'l ptrs
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PT5000 SPELL	S20	"Z-100NB" by A. Phillips, MW's SPELL vs PT's SPELLER
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Pelican 6.6	S33	"Z-150 Series" by Russell Letson, Kodak 5-1/4" floppy
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PERFECTCALC	S4	"Eight Spreadsheets Compared..." by Kenneth Patrick
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PERKS Desktop	R64	Ad- Perks Desktop Utility, (SideKick), Watzman, Z-100
PERKS Desktop	R66	"Perk Up Your Z-100", P. Swayne, Review
PERKS Patch	R67	PPage- SCRNCCLK Patch, P. Swayne, Turn off before PERKS
PERKS PC	R85	"LeadEdge", W. Adney, PERKS Desktop Util for PCs
PERKS PC	R85	"...PERKS for PC...", R. Mueller, PERKSPC review
PERKS2	R80	"Review of PERKS2", P. Swayne, Desktop Util for Z-100
PersonalInfoMgr	R132	"Get Start w/PIM, Personal Info Managers", A. Neibauer
PFS:First Choic	R117	"Get Start w/PFS: First Choice", A. Neibauer, SftwrPkg
PFS:First Pubr	L9	"PFS:First Publisher Patches", For use w/ZPC
PI Calcs	--	See Needles Program above

Picture Density	L125	"Choose Picture Density", Scrn disply vs Framed photo
PIE FullScnEdit	R56	"Inventory & Info Mgmt...PIE", J. Shepherd, review
PILOT	R34	"I Just Discovered PILOT!", J. McGraw, quiz maker pgm
PILOT	R39	"...Progmd Inquiry, Learning Or Teaching", K. Albrecht
PILOT Revisit	R43	"PILOT/80 Revisited", K. Albrecht
PIM	R132	"Get Start w/PIM, Personal Info Mgrs", A. Neibauer, PCs
Piracy Alert	L44	"Microsoft Piracy Alert!"
PKARC	L72	Ltr- Have info on PKARC?
PKARC	S32	"Z-100NB" by William Locke, archiving w/PKARC
PKLITE	L42	Ltr- Try PKLITE, a professional file compressor
PKLITE Review	L93	"Review of PKLITE File Compression Program"
PKLITE v2.01	L93	Insert: "PKLITE File Compression Program Manual"
PKZIP Archiver	L17	"Backup/Archive Program", PKZIP, ARJ
PKZIP MultiDisk	L6	"Multi-Disk: Idea Waiting an Inventor", PKZIP
PLANNERCALC	S4	"Eight Spreadsheets Compared..." by Kenneth Patrick
PLATO	S12	"Z-DOS Comms Roundup" by Frederick Zimmerman
Plotter	R61	"Interface RadioShack Plotter...", W. Scott, HDOS, Z-89
Plotter	R88	"TYP-SET Lettering Software", W. Nabor, Heath 5208
Plotter Driver	R87	"OK Pardner...", J. Buszkiewicz, BV Engineerg PDP
Plotting	S28	"Z-100NB" by William Locke, SURF plots science info
Plotting	S39	"Z-200 Series" by William Locke, SURFER plotter
Plotting Graphs	R46	"Stds for Terminal Control", D. Warnick, HDOS, CP/M
POKER.BAS	L71	"Corrections to ZBASIC Games", Video probs
Port Parallel	L37	"Z-100 Parallel Port", Is not bi-directional
Port Parallel	L41	Ltr- Scottie Bd parallel port is bi-directional, Z-100
Port 0FDh	L8	SuperQuiz: What is use of Port 0FDh, high addr latch?
Port I/O	L6	"Interrupts & I/O Ports", Tables & Assignments, Z-100
Port I/O	L19	"Accessing Two Ports w/One Instruction", Z-100
Port I/O	L62	Insert: "Two Terminal Ops", RS-232 Port info & pinouts
PostScript	R127,128	"Introduction to PostScript", A. Neibauer, Laser Ptr
Power Failure	R57	Ltr- Anti-Computer Zapper Fail Safe circuit, D. French
Power Supply	L30	Q&A: Convert All-In-One to Low-Profile Z-100 Pwr Supply
Power Supply	L4	Word Filters Down from Bill Johnson, Heath Co.
Power Supply	L41	Insert: "Z-110/Z-120 Power Supply", Most correct versn
Power Supply	L42	Ltr- Additional info provided on Z-100 PS part numbers
Power Supply	L3	Q&A: Z-100 Intermittant Power Loss?
Power Supply	L36	Ltr- Whiz-Whir-Static lines fill screen, Z-100 fan prob
Power Supply	R101	"LeadEdge", W. Adney, Uninterruptible Pwr Supplies
PowerHouse X-10	--	See X-10 Powerhouse
PowerUp	R101	"Power Up", series by W. Adney, Set Up Computer, PCs
PowerUp	R102	"PwrUp", Hardware & Software, OprSystem, BOOTing DOS
PowerUp	R103	"PwrUp", Using File Names & Subdirectories, Wildcards
PowerUp	R104	"PwrUp", The DOS Command Line, Function Keys
PowerUp	R105	"PwrUp", Important DOS commands you must know
PowerUp	R106	"PwrUp", Connecting peripherals
PowerUp	R107	"PwrUp", Using BATCH Files & CONFIG.SYS
PowerUp	R108	"PwrUp", Using Input/Output (I/O) Redirection
PowerUp	R109	"PwrUp", Understand video hardware
PowerUp	R110	"PwrUp", Add more mem to Computer, RAM, DRAM, SRAM
PowerUp	R111	"PwrUp", How to select application pgms
PowerUp	R112	"PwrUp", How to select utility pgms
PowerUp	R113	"PwrUp", Selecting & setting up Hard Disk
PowerUp	R114	"PwrUp", Useful DOS Cmnds, SEARCH, TREE, XCOPY, SUBST
PowerUp	R115	"PwrUp", Maintaining your computer sys
PowerUp, Vol2	R116	"PwrUp" new series by W. Adney, How to use EDLIN
PowerUp2	R117	"PwrUp" Using the Zenith monitor ROM
PowerUp2	R119	"PwrUp" Understanding Zenith ROM error msgs, PCs
PowerUp2	R120	"PwrUp" Special Zenith & MS-DOS key sequences, PCs
PowerUp2	R126	Ltr- Added Note re Key Seq, B. Hall, Ctrl-BS ~ DEL
PowerUp2	R121	"PwrUp" How Disks & DOS work together
PowerUp2	R122	"PwrUp" What a Disk really contains
PowerUp2	R123	"PwrUp" Abort, Retry, Pfui! COMMAND error msgs
PowerUp2	R125	"PwrUp" Coping with common DOS error msgs

PowerUp2	R126	"PwrUp" Connecting a modem to your Computer
PowerUp2	R128	"PwrUp" Connecting a printer to your Computer
PowerUp2	R129	"PwrUp" Choosing a programming language
PowerUp2	R130	"PwrUp" Using the DOS environment
PowerUp2	R131	"PwrUp" Understanding MS-DOS device drivers
PowerUp2	R132	"PwrUp" Using ANSI.SYS, ANSI ESCape sequences
PowerUp2	R133	"PwrUp" Powering up the PROMPT command
PREP & PART	R66	"...WatchWord & Goodies", W. Adney
PREP & PART	R112	"Get Start w/Hard Disk Fail", W. Rogers, HDrv Utils
PREP DOS	R110	BugZap- Pg30, PREP hangs w/#150-330-C1 WestDigt Ctrlr
PREP Util	--	See HDisk PREP Utility
PRESTO Desktop	R94	Ad- TSR Calcs, Rolodex, & do ScrnDump, CP/M, H-19/Z-89
PRESTO Plus3	R99	"New Tool...", K. Owen, Mem Resident PRESTO PLUS, Z-89
PRESTO Plus3	R104	Ltr- PRESTO PLUS, R. Palanca, Disappointment on Z-89
Print Buffer	R65	"Parallel Prtr Buffr...", M. Scott, Fm Jun'84 "Byte"
Print Screen	R82	"...Disable Print Screen", P. Swayne, Lockup, PC Clones
Print Spooler	S1	"Print Spoolers..." by Kenneth Patrick
Print Spooler	S6	"Inside a Spooler", A.E. Dessler, writing your own
Print Spooler	S8	Ltr- Add'l info for Spooler program
Print Spooler	S12	Ltr- Add'l enhancement to Spooler program
Printek 930	R62	"Ultimate DM Printer", J. Buszkiewicz, Review
Printer CharSet	S39	"Add More Chars to Epson Printer", Joseph Gonzalez
Printer Choice	R19	"Basic Printr Info...", R. Traub
Printer Choice	R113	"Choosing a Lightweight Printer...", J. Day, Choices
Printer Codes	L47	"Printer Ctrl Code Routines", Send codes w/o BASIC
Printer Config	R80	Ltr- Config Printer from Keyboard, R. Hamm, MBASIC Pgm
Printer Driver	R123	"Pgmng Reprts & Custom Prntr Drvr", A. Neibauer, BASIC
Prntr ESC Codes	R95	"Understanding Printer ESCape Codes", S. Vagts
Prntr ESC Codes	R97	Ltr- Steven Vagts' ESC Codes, A. French, Don't hold ESC
Prntr ESC Codes	R110	"Printers...", W. Campbell, MAKECODE.BAS in QBASIC, DOS
Prntr ESC Codes	R113	"Z-100 ASM Pgm to send SetUpCodes to...Ptr", L. Landers
Printer Fonts	R138	"Fonts on the Fly", A. Neibauer, Printer fonts
Printer Review	S11	"Four LQ Printers Under \$1,000." by Wayne Rash, Jr.
Printer Setup	S19	"Z-100NB" by A. Phillips, interfacing serial printer
Printer Setup	S22	"C Notes" by Joseph Katz, printer End-of-Line probs
Printer Setup	S24	Ltr- Radio Shack DWII printer has prob - ROM changed
Printer Setup	S28	"Set Epson Printer Functions...", Richard Mueller
Printer Setup	S31	Ltr- Missing code to CP/M-86 version of program
Printer Thruput	S20	"Z-100NB" by Alison Phillips, printer throughput
Printer Util	L11	"A Pop-up Printer Utility for Z-100" by Rik Gugeler
Printers	L45	"What Printers Work on the Z-100?"
PrintMate 350	S17	Notes- Hi-speed Dmatrix printer w/LQuality modes
PRO DRIVER	S12	"Z-DOS Comms Roundup" by Frederick Zimmerman
Processor Swap	L22	"Processor Swapping", Dual Processor Environ, Listing
Processor Swap	L23	Feedback: "Processor Swap" fix for MASM4, B. Rasch
ProColor Brd	--	See ProScan Video (ProScan built into ProColor Brd)
ProDesign II	R80	"CAD On a Shoestring", P. Olivier, American SmBusComp.
ProDesign II	R92	"Shoestring CAD Revisited", P. Olivier, Ptr Graphics
Professional	R73	"Professional Writing...", D. Shoemaker, Prof Text Proc
Programming	--	See respective language: Assembly, ZBASIC, PASCAL, etc.
Programming	R07,08	"Organization...", G. Bellinger, TopDown Structure Pgmng
Programming	R15	"Thoughts on Writing Game Pgms", R. Reichert
Programming	R135	"Progmr's Craft...", T. Bing, Compiler vs Interpreter
Programming	R143	"I Can Do It", D. Warnick, Structured Programming
Prolog	R116	"...Prolog", G. Elder, Artificial Intel (AI) Pgmng Lang
PROMPT Cmd	S21	"How to Use PROMPT on Z-100/150" by William Adney
PROMPT Cmd	S22	Ltr- Using ESCape sequences w/PROMPT
PROMPT Cmd	S22	Ltr- Use BS to eliminate 100ths of seconds
ProScan	S33	"Z-100NB" by William Locke, ProScan: hi-res Z-100 vid
ProScan Video	L6	Q&A: ProScan on Z-100 All-In-One?, Travis Barfield
ProScan Video	L9	"512 Colors- Now Taking Orders", Travis Barfield
ProScan Video	L13	"ProColor GIF Viewer Available", Z-100
ProScan Video	L17	"High-Res BASIC: Pgmrs Wanted", For PROSCAN pgms



ProScan Video	CN21	"Doodler 256 Color VGA & SuperVGA Support", PCs
ProScan Video	L21	"DoodlerV, ZGIF & ProColor Board", 256 colors
ProScan Video	L21	"ProColor 512 Brd Review", Tim McCaffrey; w/ZVM-135 mod
ProWriter 8510A	--	See CItoh 8510A
PSC.COM	S15	"Z-100NB" by Alison Phillips
PSC-100 Board	L4,14	"Gernware PSC-100 Programmable Sound & Control Board"
PTP Review	R67	"Professional Text Processor (PTP)", R. De Wolf, NewLine
Publications	L83	Insert: "Z-100 LifeLine Library", Books & Manuals
Public Domain	--	See Library-PubDom
PubDom Software	S15	"Software When You Have More Time..." by Mark Goodkin
Publishing	--	See Desktop Publishing
PUP	--	MS-DOS Pmgr's Util Pack - See DOS PUP
PUP MDISK.ASM	R75	Bug in Z-DOS PUP MDISK.ASM, R. Ziegenhorn, Z-100
PUTSASI.COM	R67	Ltr- Patch for PUTSASI.COM, B. Jones, Z-89
PUT & GET	R03	"PUT & GET", R. Behar, Heath Extended BASIC
PWindow	R88	PPage- Patch to PW.COM of DEBUG Support Util Disk
P-SST AID Pgm	L3	"P-SST Programming Aid" by Wojtek Bok
P-SST Patch	R63	LTR- Jan 29th to Jan 1st! C. Ware, Clock error
P-SST Speech	R64	"Add Sound & Speech to Z-100", T. Huber, P-SST Review
P-SST-Maestro	R71	Ad- P-SST-Maestro music/grafx editor, Software Wizardry
P-SST-Maestro	R79	"...Sounds of Music...", J. Britton, Z-100

Keyword	Issue#	Article
QEMM	R133	"Look at QEMM", S. Shapiro
QFILER	R108	"LeadEdge", W. Adney, DOS Shell, Can list two diff DIRs
QSEditor	R14	"QSE (Quick Simple Editor)", R. Pearce, BASIC
Quantum ELS170	L52	Ltr- Use Quantum ELS-170 170MB SCSI-2 drive w/o prob
Quattro	R100	"Quattro is One Better...", W. Adney, PCs only
Quattro	R102	"LeadEdge", W. Adney, and MACE have same Q.EXE
Quattro Pro	R132	"Get to Know Quattro Pro", R. O'Connor, Spreadsheet, PC
Quattro Pro3	R138	"LeadEdge", W. Adney, Upgrade capabilities
Query!2 Review	R51	"Query!2 and Report Writer", P. Franchina, Z-100, ZDOS
Query!3	R69	Ltr- Not Expens..., N. Sherrill, Query DBMS, CP/M, DOS
Query!3<-ASCII	R95	"MBASIC Util Converts ASCII for Query!3, K. Thompson
QuickBASIC	R95	"BASIC Wars", B. Dubbs, QuickBASIC data structures
QuickBASIC	R109	"QuickBASIC 4.0...", J. Stolarz, Z-100PC
QuickBASIC	R112	Ltr- Poor Quality, G. Wilkinson, Re Stolarz 'QBASIC'
QuickBASIC	R125	"Cmd Line INPUT for Compiled BASIC Pgm", K. Granzow
QuickBASIC	R147	"Parsing the DOS Cmd Line, QBASIC...", J. Day, Pgm
QUICKCODE	S33	"Eight-Bit World" by Walter Janowski, dBASE II
Quicken Prob	L13	Quicken v4 won't work w/ZPC v2 & Scottie Board
QUICKEN4	R144	"Select & Use Accounting Pkg, QUICKEN 4.0", K. Steffen
QuikMenu3	R148,149	"QuikMenu III", C. Stevenson
Q-PRO4 Review	R54	"Q-PRO 4", D. Grundon, Database Management, ZDOS, Z-100
Q-PRO4 Review	R71	"Q-PRO 4 Revisited", S.E. Weidner, Version 3.0, Z-100
Q&A Database	R145	"Get Start w/Q&A", A. Neibauer, Q&A Database Mgmt Sys

Keyword	Issue#	Article
RAM Map	L1	"Overall Picture", The Z-100 Memory Map
RAM Chips	L22	Defective 256k D-RAM chips; note w/ZMAX kit
RAM Chips	L42	Insert: "FSBulletin Z-100-012", Unreliable TI 64k RAM
RAM Chips	L47	Bits 'n Bytes: Use 150ns chips, ZMAX warning
RAM Disk	S17	"Z-100NB" by Alison Phillips, MDISK.DVD & MEMBRAIN.COM
RAM Disk	S19	"RAM Drives for Z-100" by D.C. Shoemaker
RAM Disk	S20	Ltr- Add'l info on CP/M-85 RAM disk Z-100 RAMDRIVE/85
RAM Disk	S29	"Z-100NB" by William Locke, advantages of RAM disk
RAM Drive	--	See RAM Drives separately under each computer sys
RAM Managemt	L23	"Memory Allocation under MS-DOS"
RAM Test	R17	"Super RAM Test for the H-89" by H. Drake, Z-89
RAM Z-Support	L2	Q&A: Hudson & Assoc Z-Support RAM & 8087 Board Info
RAM Z-205	L1	Q&A: Can Z-205 Memory Board be used as RAM Disk?

RAM Z-205	L4	"Using Z-205 Card w/768K on Mainbrd", Richard Meagher
RAM Z-205	L21	"Making Most of Your Z-205 Memory Board", RAM disks
RAM Z-205	L38	"Z205 RAM Board", Configuration w/DOS v4.01
RAMdrive	--	Also see EEPROM/SCSI
RAMdrive	L11	Q&A: I've got 704K RAM, What are options? Make RAMdisk
RAMdrive	L47	"Create RAM Disk", ZDS Atlanta Newsletter, Jan '86
RAMdrive	R71	"Auto RAMdrive Utilities", J. Hebda, CP/M85, Z-100
RAMdrive	R73	Ltr- Auto RAMdrive Util, L. Daugherty, for CP/M, Z-89
RAMdrive	R89	Ltr- ARAM.COM, L. Daugherty, Load files to SuperRAM89
RAMdrive	R99	"RAM Disk Usage", E. Snyder, Load BAT & COM files
RAMdrive Indi.	L17,18	"Razzle Dazzle RAM Disk", Disk activity indicator
RAMPAGE	S35	"WinWorld" by J. Richard Hines, RAMPAGE RAM bds
RAMPAL	L7	Q&A: UCI EasyRAM mem brd w/Software Wizardry RAMPAL
RAMTop-386	R116	Ad- Memory Upgrade for Z-386 to 4Mb or 16Mb!
RAM16 Board	L44	Ltr- Req info on CompuPro RAM16 board
RATFOR FORTRAN	R67	"Look at Software", W. Adney, from Software Toolworks
RATMAZE.BAS	L117	"ZBASIC RATMAZE Game", More Grafx & FONT Chr Set
RD Software	L3	"Z-100 Graphics Libraries", A comparison
RDT Review	R19	"RDT (Relocating Debug Tool) Review", A. Dessler
REACH86	S24	"Z-100NB" by W. Locke, modem pgm by Software Toolworks
Real-Time Clk	--	See respective computer: Z-89 Clock, Z-100 Clock
Record Keeping	R123	"Small Business", D. Pitney, Use First Choice
Recover File	R19	"Recovering Deleted File" by D. Harton - Uses DUMP
Recover File	R45	"...Recovering Deleted Files", C. Webber, HDOS
Recover File	R48	Ltr- Patches to Webber article "...Deleted Files"
Recover File	R49	Ltr- Corrections to his article, C. Webber
Recover File	R110	"Recovering Data Files", R. Murphy, HADES & DEBUG
Recover Memory	S15	"Salvage Mem Under CP/M or MS-DOS" by David Felstul
RECOVER.BAS	R65	Ltr- MBASIC RECOVER.BAS recovers file, D. Talkington
Recursivity	L119	Insert: "Recursivity & Assembler", Thierry Klein
REFLEX	S36	"Reflex Puts You..." by G. Aldridge, database sys
REFLEX Test	R03	"REFLEX TEST", D. Smith, H8 REFLEX.BAS test
RELEASE	R123	"Manage DOS Resident Pgms", M. Wilson, Remov TSR Util
REMark	L83	"REMark" Magazine for H/Z Computer Users; 1978-1992
REMark Index	R48	Issue 1, 1978 to Issue 47, Dec 1983
REMark Index	R60,72,84	REMark 1984 only, 1985, 1986
REMark Index	R96,131	REMark 1987, 1988 & 1989
REMark Index	R136,147	REMark 1990, 1991
REMark Mag	--	Began as 'Heath Users Group (HUG)' magazine in 1978, Published by HUG until Dec90, Issue#131, when HUG->ZUG Published by ZUG Jan91 to Last Issue #149, June 1992
REMBRANDT	S30	"Eighth-Bit World" by Walter Janowski, review
REMCN	S12	"Z-DOS Comms Roundup" by Frederick Zimmerman
REMIND	R97	"REMIND Mem Jogger", L. Conklin, DOS or CP/M, C/80 Pgm
REMIND	R109	Ltr- Bug Report to REMIND, L. Conklin
Repair	L16	"Beginner's Guide to the Z-100"
Repair	L108	Insert: "Beginner's Guide to Z-100", S. Vagts, Updatd
Repair	L18	"Quick Course in Z-100 Servicing"
Repair	L80	"Tale of 2 Computers", Numerous difficulties
Repair Boot	L54	Ltr- Only boots after warm-up; was 8088 chip
Repair Bullets	L42	Insert: "Z-100 Field Service Bulletins"
Repair CP/M	L42	Insert: "FSBulletin Z-100-047", CP/M won't boot
Repair Drive	L70,71	Z-100 not recognizing floppy drvs! Bad U207chip
Repair Hangup	L42	Insert: "FSBulletin Z-100-012", Z-100 hangs up
Repair Key	L15	"Fixing Z-100 Key Switches"
Repair Key	L33	Insert: "Z-100 Keyboard Key Repair"
Repair Key	L75	"Inoperative Key", Bad chip U199
Repair Key	L76,77	"Inoperative Keybrd Key", Keyboard matrix, schematic
Repair Key Clk	L39	Ltr- Continuous key clicks; visual inspection help
Repair Monitor	L75	"Monitor Woes", Cracked solder joints to shields
Repair P.S.	L75	"Intermit Power Supply", Bad connector 120/240 switch
Repair P.S.	L75	"Explosive Power Supply", Bad fuse, bad MOV, junked
Repair P.S.	L75	"Inop Power Supply", Hairline crack at SmCtrlr board

Repair Timer	L42	Insert: "FSBulletin Z-100-049", 'Timer Error - U160'
Repair Z-207	L75	FORMAT Prob: All bad sectrs >cyl23, sec414, Precomp
Repair Z-207	L75	"Dead Floppy Disk Ctrlr", Shorted C26
Repair Z-207	L98	Insert: "H/Z-207 Floppy Disk Ctrlr Repair/Alignment"
Research	S15	"R&Development Using H/Z Computers", David Felstul
Resident Pgms	--	See TSR (Terminate, but Stay Resident)
Resource	--	Insert to LifeLine Issues #31 and #32
Resource-Disk	L80	Ltr- Source of 5-1/4" DSDD diskettes; ATLAZ Int'l
Resource-HD	L30	Q&A: I need info on replacement hard drives?
Resource-Heath	L41,42	Ltr- Heathkit still sells Manuals & some parts
Resource-Help	L33	Ltr- Many individuals offering help
Resource-Parts	L38	Ltr- Surplus H/Z parts available
Resource-Parts	L61	A Plea for Parts!: We need to keep the valuable parts
Resource-Used	L40	Resources Update; Used Z-100s, surviving suppliers
RFCAD Patch	R47	Ltr- Patch to BFILTER.BAS, D. Gohr
RIGHT HAND MAN	R67	Ad- Right Hand Man Desktop Util, from Red E Products
RIGHT HAND MAN	S20	"...Five Z-100 Desktop Utils" by David Felstul
RIGHT WRITER	R118	"Better Writing", G. Elwood, WriteWriter3 reqs ZPC, PC
RIGHT WRITER	R142	"First Aid for Writing", M. Haverstock, Grammatik
RIGHT WRITER4	R142	"Polishing Writing Style w/RIGHT WRITER 4.0", T. Bing
RLL HD Interfc	L3	Q&A: Describe 3 hard drive interfaces
RNDCLOCK.BAS	L61	Ltr- RNDCLOCK didn't work?
Robotics Modem	S19	"Upgrade Internal Modem for '100" by Charles Layman
ROCKET	R14	"ROCKET" by R. Comito, Z-89
Roland MPU-401	R127	"Add MIDI to SuprsPrt", T. Perdue, Roland MPU-401 MIDI
ROM	--	See MTR-ROM, See ZROM (Z-100 Monitor ROM)
ROM Chips	S9	Ltr- Jumpers for Z-100 ROM chips
ROM Error Msgs	R119	"PwrUp" Understanding Zenith ROM Error Msgs, PCs
ROOTS II	R82	"ROOTS II...Genealogy PT1", T. Huber, CommSoft, Z-100
ROOTS II	R83	"ROOTS II...PT2", Comments & operation
ROOTS II	R85	Ltr- ROOTS II Ed omiss, T. Huber
ROOTS II	R85	"ROOTS II...PT3", Features, printing, editing
RS-232	R09	"Connect Multiple RS-232 Devices in Parallel", Circuit
RS-232 Breakout	R129	Ltr- Heath RS-232 Breakout Box, J. Wood, Add 9-25pin
RS-232 Port	L62	Insert: "Two Terminal Ops", RS-232 Port info & pinouts
RTC685 Clock	R70	"Real Time Clock", M. Ruthenbeck, DIY, HUG Houston, PC
RTTY ET-3400	R04	"Reading RTTY on ET3400", L. Graue, Add Circuit
RTTY H8	R04	"RTTY to H8?", R. Traub, Add circuit
RTTY Mini	R71	"Mighty Mini RTTY...", R. Isenson, Radio Teletype, Z-89
RTTY Mini	R73	Ltr- Mighty Mini RTTY correction, R. Isenson
Rubik's Cube	S1	"Rubik's Cube: a Computer Sim..." by Arthur Frost
RUBIK.BAS	L47	Insert: "RUBIK.BAS, Comptr Simu", Arthur Frost, Z-100
RX Printer	S39	"Add More Chars to Epson Printer" by Joseph Gonzalez

<b>Keyword</b>	<b>Issue#</b>	<b>Article</b>
Sailing Ship	L92	Insert: "ZBASIC Sailing Ship Graphics Pgm", T. Klein
SAVE 0 GO.COM	R44	Ltr- Another Solution to BDOS Error, C. Pearce
SAVE 0 GO.COM	R45	Q&A- Command to re-enter CP/M from MBASIC
SAVE 0 GO.COM	R45	Ltr- Another Solution to BDOS Error, D. Picken
SBASIC Pgmng	S2	"Put Some Structure in BASIC Pgmng" by William Clarkson
SBASIC Pgmng	S23	Ltr- SBASIC alternative to ZBASIC Preprocessor
SBP3	R20	"Review of Small Business Pkg III", G. Kabelman, Mods
SBP3 Mod	R20	Ltr- Modified SBPIII Ledger Pgm, R. Kennedy, Z-89
SBP3 8"	R22	"SBPIII on 8" Drivers"
Scanner	R132	"Inexpensive Hand Scanners...", M. Haverstock, PCs
Scanner Supprt	L23	"Desktop Scanner Support"
Science Data	S10	Scuttlebutt - Z-100 failing in sciene data collection
Science Data	S12	Ltr - Hewlett Packard 9800 series de facto standard
Science Lib	S28	"Z-100NB" by William Locke, "C" Scientific Lib review
Scope	L66	"Digital Memory Oscilloscope"
Scope Digit	R77	"Dig Stor Scope...", J. Lytle, SC/IC-4802 & SD/ID-4850
SCORES.BAS	R56	"SCORES.BAS" can be added to any BASIC game

Scottie Brd	L16	"Parts Is Parts" Continues Support for Scottie Board
Scottie Brd	L34	Ltr- Request for info on Scottie Board I/O Ports?
Scottie Brd	L74,75	Insert: "Scottie Brd, PC-emulator for Z-100"
Scottie Brd	L74	Insert: "ZPC V2 Mods to MB/Video Board"
Scottie Brd	R80	Ad- Scottie Board w/ZPC v2, Scottie Systems, Z-100
Scottie Brd	R93	"LeadEdge", W. Adney, ZPC & Scottie Board, Z-100
Scottie Brd	S34	"IBM Emulation w/Scottie Board" by Timothy Weil
Scottie Brkout	L30	"Breakout Switch Kit for Scottie Board"
Scottie Brkout	L75	Insert: "SB Breakout Switch", Descrip, install, use
Scottie Clock	L37	"Scottie Clock & LLSCSI Conflict", With fix
Scottie Comm	L52	Ltr- Replaced Scottie COM 8250 UARTS w/16450 UARTS
Scottie Speed	L41	Insert: "Scottie Bd 8MHz & Faster mod", Repl parts
Scottie Speed	L41	Insert: "Scottie Bd 10MHz & Faster mod", Repl parts
Scottie Sys	L7	Feedback: Scottie Systems moved in 1989
Scottie Sys	L13	Scottie Systems Update, moved back, 1991
SCOUT	R89	"Help for WordStar...", Ami Atir, Assign Imag Subdirs
Screen Ctrl	R39	"...Better Screen Control", D. Warnick, tutorial
Screen Ctrl	R41	Ltrs- Comments on Screen Control
Screen Ctrl	R45	Ltr- Adds Screen Ctrl GrafX Tutor pgm to D. Warnick
Screen Ctrl	R97	"Structured Screen Ctrl", L. Wilson, ANSI, BIOS, 'C'
SCRNCLK	R22	"Clock Watch Delight", P. Swayne, HDOS, CP/M, Z-89
SCRNCLK	R52	"Clock Watch Delight", P. Swayne, ZDOS Pgm, Z-100
SCRNCLK	R79	Ltr- Pat Swayne's SCRNCCLK, REM#52, D. Wheeler, Mod.
SCRNCLK	R55	"Clock Watch Delight", P. Swayne, PCDOS Pgm, Z-100PC
SCRNCLK	R58	Ltr- Corrections to PCDOS version
SCRNCLK	R79	"Clock Watch Delight Revisit", P. Swayne, Z-100PC/200
SCRNCLK MBASIC	R65	Ltr- MBASIC Pgm to Ctrl SCRNCCLK, M. Reed, Z-89
SCRNCLK Patch	R67	PPage- SCRNCCLK won't turn off if loaded before PERKS
SCRNCLK Patch	R109	Ltr- Move the Clock, E. Howell, For Lotus123 prompts
Screen Dump	S9	"Screen Dump!" by Siebert Ickler, HDOS ASM program
Screen Dump	S11	Ltr- Add'l comments, suggestions on "Screen Dump!"
Screen Dump	S12	Ltr- Here is enhancement to "Screen Dump!" program
Screen Dump	S13	Ltr- Add'l comments, suggestions on "Screen Dump!"
Screen GrafX	S1	"Zenith Screen GrafX into Color Slides", F.X. Millor
SCREENPRO	S32	"Z-100NB" by William Locke, Paul Herman's ScreenPro
SCSI	R141	"Small Computer System Interface", N. Baker, Operation
SCSI	R143	"Son of Small Computer Sys Interface", N. Baker, SCSI2
SCSI HD Ctrlr	S36	"WinWorld" by J. Richard Hines, SCSI HD controller
SCSI HD Intrfc	L3	Q&A: Describe 3 hard drive interfaces
SCSI Host Adap	--	See EEPROM/SCSI
SCSI - CDR-317	--	See CDR-317 Topics
SCSI-2	L39,40	Ltr- What does SCSI-2 and Fast SCSI-2 mean?
SCSI-2	L45	Ltr- What SCSI drives definitely work w/LLSCSI brd?
SCSI-2	L52	Ltr- Use Quantum ELS-170 170MB SCSI-2 drive w/o prob
SDUMP Patch	R26	Improve SDUMP from HUG disk 885-1213, CP/M
SDUP Patch	R44	PatchPage- SDUP not copying last sector on disk.
SEARCH	S15	"Z-100NB" by Alison Phillips
Search Binary	R61	"Binary Search... For Speed", P. Eustace, Turbo PASCAL
Search Binary	R128	"Search for Binaries", A. Grattan, QuickBASIC Pgm, PCs
Search File	L3	"FIND: Simple Pgm to Search Files for Text String"
SEBHC Journal	--	SEBHC Journal publ'd by L.E.Geisler, 1986-??, H-8/89/90 Monthly source of H/Z-8/89/90 Info
Sector Zapper	R23	"Sector Zapper", R. King, Use Hard Sector disks, Z-89
Sector Zapper	R45	"Using the 'Sector Zapper'", W. Craig, Z-89
SEE.COM Patch	R63	PPage- Fixes Prob on Z-100PC, P. Swayne, Use DEBUG
SEEK.COM	R78	"SEEK.COM... Pt1" M.D. Zapolski, Learn CP/M ASM
SEEK.COM	R79	"SEEK.COM... Pt2", Load disk file into RAM, Z-100
SEEK.COM	R80	"SEEK.COM... Pt3", Count Lines, Sentences & Words
SEEK.COM	R81	"SEEK.COM... Pt4", Extract Saved values and make DEC
Seidl MAKE Util	R78	"Review of Seidl MAKE Util", SMK, P. Swayne
Serial Port	R76	"Serial Ports, Part 1", D. Warnick, H-8, Z-89, Z-100PC
Serial Port	R77	"Serial Ports, Part 2", 8250 Asyn Comm Elemt (ACE)
Ser->Par Cirt	R51	"Serial to Centronics Parallel Converter", J. Ross

Ser->Par Cirt	R66	Ltr- Corr/Mod to "Ser/Parallel Cirt", K. Schotthoefer
Service/Parts	--	See Resources for Z-100 service, software & parts
Servicing	L16,18	"Quick Course in Z-100 Servicing"
SET Command	R113	BugZap, Pg63, SET Command Err: "Out of Environmt Space"
SETPOINT	R52	"Computer GrafX ...", R Meyers, Vid Ctrl, Pixels, ASM
SETPOINT	R70	"...H-100 Time Machine1", A. Seibel, Benchmark, Z-100
SETPOINT	R71	"...H-100 Time Machine2", A. Seibel, Done
SETUP Protect	R112	"Protect Your...", P. Swayne, Access to Setup Cmd, PCs
Sextant Anniv	S27	"Prologue" & "Epilogue" by John Walker, 5th
Sextant Author	S9	"Guide to Writing for Sextant" by John Walker
Sextant Author	S27	"Diverse Writers; Mixed Views" by John Walker
Sextant Index	S27	Index to "Sextant" #1-#26
Sextant Index	S39	Index to "Sextant" #27-#38
Sextant Mag.	L83	"Sextant" Magazine for H/Z Computer Users; Magazine published by Charles Floto, Sprg82-Mar89, #40
Sextant Survey	S15	"R&Development Using H/Z Computers", David Felstul
Sextant Survey	S27	"Checking Up on Charter Subscribers" by John Gill
Sextant Survey	S30	"Good, Bad, Uncertain" by Peggy Wallace
Sextant Survey	S38	"Quick Look at "Sextant" Subscribers" by John Walker
Shareware	R137	"Frugal PC", H. Ogg, Shareware is capable & cheap
SHIP	--	See ZDOS SHIP Command
Shipping Z-120	L49	"Shipping Z-120 All-In-One", Disaster to ship whole
SHORTEN	R63	"SHORTEN: Save Memory in BASIC Pgms", P. Brans
SHOWOFF	R86	Ad- Show Off Hi-Res Graphic Editor by Hogware Co, Z-100
SHOWOFF	R103	"Showoff Graphics Pgm Review", E. Zimmerman, Z-100
SHOWOFF	R104	"Improve Image, Use SHOWOFF...", J. Hirsch, Z-100
SHOWOFF	S30,33	"Z-100NB" by William Locke, ShowOff review
SHOWOFF2	S37	"Z-100NB" by William Locke, Hogware's revised ShowOff
SIDEKICK	R111	BugZap, Pg27, SIDEKICK Runs off screen on Z-181 Laptop
SIDEKICK	S21	"C Notes" by Joseph Katz, true PC-compatibles only
SILENT RUNNER	L11	"Silent Runner: A Z-100 Arcade Game"
SILENT RUNNER	L54,56	AVES Games: Airlift, Starfire, Starhawk, SilentRunner
SILENT RUNNER	R95	"Z-100 Shoot'um Up", M. Elwood, Games
SILENT SERVICE	R95	"War Simu...", J. Katz, Submarine in Pacific Game, PCs
Simulation	S32	"Computer Games: Behind the Scenes" by James Illman
SK-203 Ptr Bufr	R87	"Jewel of the File", J. Buszkiewicz, Heathkit SK-203
Slicer 80188CPU	R73	"Another Upgrade to H-89", P. Emerson, 256k & RAM drive
Slide Graphics	R57	"...Color Slides from CRT Display", R. Telepak, MBASIC
Slide Graphics	S1	"Zenith Scrn GrafX into Color Slides" by F.X. Millor
Slide Graphics	S29	"Making Title Slides..." by Gordon Nichols, on Z-100
SlimsPort 286	R136	"Compute on the Road", S. Kristan, Sidebar
Small Bus Pack	--	See SBP3
Small-'C'	R90	"Small-C...", D. Wallace, Review, Fix for PC, Z-100 &PC
Small-'C'	S15	Ltr- Review of Small-C Compiler from Clarkson Univ.
Small-'C'	S17	Ltr- Announces Toolworks C/80 for DOS available
Small-'C'	S21	"Z-100NB" by Alison Phillips, introducing "C"
Small-'C' Patch	R71	Ltr- One for REMark PPage, D. Wallace, Small-C patch
SMARTKEY	S21	"C Notes" by Joseph Katz, Z-100 version works poorly
Smartmodem	R40	"Modem Tutorial 83, Part 1", W. Jung, Z-100
SMARTSORT	S24	"Sorting on Your Terms Rather..." by Thomas Best
SmartWatch	L56	Source for SmartWatch; JDR Microdevices, San Jose, CA
SmartWatch	L57	Ltr- More on SmartWatch; Jameco, Belmont,CA
SmartWatch	L58	Insert: "SmartWatch Real Time Clock", Spec sheet
SmartWatch	L80	Insert: "Z-100 Calendar Clks", FBE SmartWtch & ZClock
SmartWatch	L91	Z-100 SmartWatch is still available
SmartWatch	L120	Insert: "Case of the Dead SmartWatch", Use a SuperCap!
SmartWatch	R91	Ad- FBE SmartWatch for the Z-100
SmartWatch	R113	Ltr- Easily Reset SmartWtch, R. Hassard, Revise DSCLOCK
SmartWatch	S27	"Z-100NB" by William Locke, SmartWatch for all H/Z
SmartWatch?	L38,39	Ltr- SMT Peripherals Ltd. Clock always 20yrs ahead?
SmartWatch Batt	L124	"Substitute Backup Batt for SmartWatch", Charles Hett
SmartWatch Batt	L128	"SmartWatch Battery Mod Update", Important!
SmithCoronaTP-I	S8	Ltr- A review of the Smith-Corona TP-I printer

SmithCoronaTP-I	S8	"LQ Printing on a DMatrix Budget" by Gordon Nichols
SmithCoronaTP-I	S9	Ltr- Correction to "Quality Printing..."
SmithCoronaTP-I	S10	Ltr- Add'l info on TP-I printers
SmithCoronaTP-I	S40	"Pgm Suprts BASIC Listings on TP-I" by Fred Ormand
Softstrips	R83	"...Review of Softstrips...", J. Katz, Store files, PCs
Softstrips	R85	Ltr- Thoughts on Softstrips, W. Nabor
Softstrips	R92	Ltr- Cauzin Softstrips, W. Nabor, IBM-HP Laserjet Pgm
Softterm-PC	L14	"Computer-to-Computer Comms, Three Programs"
Software Bridge	R138	"LeadEdge", W. Adney, Convrts wordprocess file formats
Software Educ	S10	"Education Software Roundup" by Frederick Zimmerman
Software Games	S8	"Games Roundup" by Frederick Zimmerman
Software IBM	S9	"Won't All IBM-PC Software Run...?" by Graham Wideman
Software Instal	R124	"Perils of New Software", E. Demaree, PC Tools
Software Libs	--	See Library - PubDom or Archive
Software PDom	S15	"Software When You Have Time..." by Mark Goodkin
Software Suprt	L4	Word Filters Down from Bill Johnson, Heath Co.
Software Update	L81	John Beyers' Latest Software Project
Software Z-100	S7	"Z-100 Software Roundup" by Frederick Zimmerman
SOLARSIM	S38	"Planetarium on Disk" by Paul Hansen, for Z-100 & PC
Solo Hard Disk	R51	"..Review 5Mb removable Hard Disk" fm Solo, T. Jensen
Sort Files	R51	"DISKSORT, Speedy File Sorter", R. Rumpf, For many OS.
Sort Files	R145,146	"Sort, Search & KWIC Indexes 1&2", J. Day, Keywords
Sort Schemes	S3	"The World's Fastest Sort?" by Rick Lutowski
Sort Schemes	S4,5	Ltrs provide add'l Fastest Sort info
Sort Schemes	S21	"See Seven Sorts" by Robert Crawford
Sort String	R08	"String Sort", B. Stillman, BASIC
SORTER Bug	R18	"HUG Bug", J. Mullins, on HUG #885-1044, Self destruct
SORT.EXE	S21	"Z-100NB" by Alison Phillips, using SORT.EXE
SORT.EXE	S23	Ltr- SORT won't sort random-access files
Sound Beep	L26,27	Q&A: Can Z-100 say anything besides BEEP?
Sound H-89	R23	"Let There Be Sound", Bob Ellerton, Z-89
Sound PSC-100	L4,14	"Gernware PSC-100 Programmable Sound & Control Board"
Sound Z-100	L27	"Making Sounds w/Z-100", Lee Hart, Pgm 8741, U204
Sound/Clock Kit	S9	"Build an H/Z-89 Sound/Clock Board" by Ray Albrektson
Sound/Clock Kit	S11	Ltr- Software for H/Z-89 Sound/Clock Board
SPACE QUEST	R95	"Trust me...", J. Buszkiewicz, and Other Games, PCs
Special Chars	R145	"Words of a Feather", J. Hoffer, Foreign char sets
Speech TypeTalk	R45	"Using Speech Syn Under CP/M", B. Brownlee, Vortax
Speech TypeTalk	R53	"Using Speech Synthesizer on Z-89", B. Boyd
Speed EasyPC	L88	"Operating EasyPC at 8MHz or faster", Z-100
Speed Gemini	L3	"Gemini won't run properly at 7.75 MHz?", Z-100
Speed Measurmnt	R26	"Speed on Heath Micros", A. French, Prime #s, BHBASIC
Speed Upgrade	R140	"H/Z Useful Upgrades", H. Fale
Speedup	--	See Approp. Computer Sys, e.g. Z-89 Speed, Z-100 Speed
SPELLBINDER	R86	"Weaving Spels w/Spellbinder", P. Ruber, From Lexisoft
SPELLBINDER	R38	Q&A- Patch to Spellbinder Undrln or Block Cursor, Z-89
SPELLBINDER	S7	"Word Processing You Can Program" by Walter Jung
SPICE Circuit	R130	"...Analog Circuit Simulator", M. Hardwick, SPICE, PC SPICE - Simulation PGM w/Integrated Circuit Emphasis
Spinwriter	R11	"Spinwriter 5510 for the H89", B. Schmidt, Reqs jumper
SplitOCT-> DEC	R26	Ltr- Convert Split OCT to DECimal, G. Hawthorne, MBASIC
SplitOCT-> DEC	R28	"Split Byte OCT/DECimal Add/Subtraction", R. Traub
SplitOCT-> DEC	R30	"Oops, the Missing Pgm" to R. Traub Article
Spooler	--	See Print Spooler
Spreadsheet	L46	Insert: "Geographic Distance Calculator", S. Vagts
Spreadsheet	L56,57	Insert: "Federal Tax Spreadsheet, Form 1040A"
Spreadsheet	L61	"Form 1040A Spreadsheet Update"
Spreadsheet	R41	"Grocery Shopping Using SuperCalc", J. Johnson, Z-89
Spreadsheet	R43	Ltr- Correction to "Grocery Shopping..."
Spreadsheet	R45	"3 Sprdshts", J. Turrell; Multiplan, SuperCalc, ZenCalc
Spreadsheet	R80	"Spreadsheets...Bean Countrs", K. Mortimer, Examples: Forces, Falling Body, Trajectory, Optics, Impedance RC
Spreadsheets	S4	"Eight Spreadsheets Compared...", Kenneth Patrick

Spreadsheets	S5	Ltrs provide add'l spreadsheet information
Spredsht ASCII	R54	"...Transfer ASCII Files Into MultiPlan:", K. Simmons
Spredsht C1	R54	"Spredsht Corner 1", series by H.W. Bauman, Versions
Spredsht C2	R55	Profit/Loss Spreadsheet in Lotus 1-2-3, Z-100
Spredsht C3	R56	Profit/Loss Spredsht in MultiPlan & PeachCalc, Z-100
Spredsht C4	R57	Profit/Loss expanded in 1-2-3, Z-100
Spredsht C5	R58	Profit/Loss expanded in MultiPlan/PeachCalc, Z-100
Spredsht C6	R61	Fed Income Tax Spredsht using 1983 forms, Z-100
Spredsht C7	R61	Fed Income Tax Spredsht add'l, Z-100
Spredsht C8	R62	Fed Income Tax Spredsht update for '84, Z-100
Spredsht C9	R64	Banking Records using Lotus 1-2-3, Z-100
Spredsht C10	R64	Database Pgms, such as DBAS II & Condor, Z-100 & PC
Spredsht C11	R67	Q&A and new Stock Portfolio project, Z-100 & PC
Spredsht C12	R69	Family Budget & printing in Lotus 1-2-3, Z-100 & PC
Spredsht C13	R73	Graphs and Macros in Lotus 1-2-3, Z-100PC, FX-80 Ptr
Spredsht C14	R76	Review Print Scn, Spreadsheet Prt, Graph Print
Spredsht C15	R77	Lotus 1-2-3 Sort and Query, The Macro
Spredsht C16	R79	Menu operated database using Sales Rank proj in #15
Spredsht C17	R85	1-2-3 Power cmds, Finish Sales Ranking Proj
Spredsht CR1	R90	"Spredsht Cornr Review1", series by H.W.Bauman, Upgrd
Spredsht CR2	R91	"SpredshtRvw2", Lotus 123 Rel2, 8087 CoProc, EMS/EEMS
Sprdsht/DB1	R92	"Spreadsheet/Database Corner 1", series by H.W. Bauman
Sprdsht/DB2	R93	Continue a Real Estate database, helps choice making
Sprdsht/DB3	R94	Review - Hard Drive Recovery and Utilities
Sprdsht/DB3	R95	Back to Review, discuss Paul Mace Sftware: MACE Utils
Sprdsht/DB3	R95	Two important commands to cover, SORT & INDEX
Sprdsht/DB4	R96	More dBASE cmds, EDIT, BROWSE, REPLACE, LIST, ERASE
Spredsht Dates	R98	"Data Dating in Spreadsheet", J. Ellery, Julian Dates
Spredsht Diet	R43	"SuperCalc as a Diet Manager", J. Johnson
Spredsht SysLog	R71	"System Log...", R. Hudson, IRS-Must track use, Z-100
Spredsht Wksht	R45	"SuperCalc Worksheet Pgm", E. Rogers, print Worksheet
SPRINT	L7	"Using SPRINT in 50-Line Display Mode" by Gary Appel
SPRINT	R118	"Run SPRINT...", B. Rylander, Word Processor, Z-100
SPRINT	R126	Ltr- SPRINT on Z-100, G. Appel, String space
Sprinter MPI	R56	"The Sprinter by MPI", J. Buszkiewicz, portable DM Ptr
STARFIRE	L54	AVES Games: Airlift, Starfire, Starhawk, SilentRunner
STARFIRE	R95	"Z-100 Shoot'um Up", M. Elwood, Games
STARHAWK	L54,56	AVES Games: Airlift, Starfire, Starhawk, SilentRunner
STARHAWK	R95	"Z-100 Shoot'um Up", M. Elwood, Games
Static Electric	R133	"LeadEdge", W. Adney, Static electricity & humidity
Static Electric	R135	"ZAP, No More Data", R. Miller, Typ Electrostatic Volt
Staunch 8/89'er	--	Newsletter for H-8/H-89 by Hank Lotz, Dec86-Sep87, #5
Staunch 8/89'er	--	Newsltr H-8/HZ-89 by Kirk Thompson, Dec87-Oct92, #33?
Stiction	--	See Hard Disk Stiction
Stiction Email	L87	First hand knowledge from Darrall Pride
StockMkt Sim	R42	"Millionaire Stock Market Simulator", T & D Huber
String Sort	R08	"String Sort", B. Stillman, BASIC
SUBMIT Turnkey	R25	"Turnkey Ops Using CP/M, MBASIC & SUBMIT", R. Conde
Sunrise,Sunset	R12	"Sunrise, Sunset", L. Schearer, BASIC
SuperCalc	R41	"Grocery Shopping Using SuperCalc", J. Johnson, Z-89
SuperCalc	R43	Ltr- Correction to "Grocery Shopping..."
SuperCalc	R45	"3 Sprdshts", J. Turrell; Multiplan,SuperCalc,ZenCalc
SuperCalc	S4	"Eight Spreadsheets Compared..." by Kenneth Patrick
SuperCalc	S18	"Z-100NB" by Alison Phillips, same as PeachCalc
SuperCalc	S19	"Z-100NB" by Alison Phillips, using logical statemts
SuperCalc Diet	R43	"SuperCalc as a Diet Manager", J. Johnson
SuperCalc Wksht	R45	"SuperCalc Worksheet Pgm", E. Rogers, print Worksheet
SuperCalc3->ZPC	R71	"ZPC Update #2", P. Swayne, Patches SuprCalc3 for ZPC
SuperCalc3 Ptch	R75	"ZPC Update #5", Another SuperCalc Patch to try
SuperCalc5	R114	"LeadEdge", W. Adney, No way to customize colors!
SuperSet	R107	"SuperSet Improvements", Pg 65
Super89	R33	Ad- Describes Super 89 CPU board by DG Electronic Dev.
Super89	R44	"Turning ON the Super89", W. Gillespie, Z-89

SURF	S28	"Z-100NB" by William Locke, SURF surface plotter pkg
SURFER	S39	"Z-200 Series" by W. Locke, SURFER surface plotter
Surge Prot	L48	"Protect Electronic Equipment", Surge, UPS, Sizing
Surplus	L7	"Z-100 Surplus Situation"
Surplus	L25	"Good Deal, or Good for Nothing?"
Surplus	L30	Q&A: Why is Govmt getting rid of Z-100s all at once?
Surplus Parts	L38	Ltr- Surplus H/Z parts available
Survey	L12	1991 Survey Results - 148 Responders
Survey	L34,35	Z-100 LifeLine Survey: 1994
Survey	L79	Z-100 LifeLine Survey: 2001
Swap Processor	L22	"Processor Swapping", Dual Processor Environ, Listing
Swap Processor	L23	Feedback: "Processor Swap" fix for MASM4, B. Rasch
Swayne	L89	Lunch with Pat Swayne, former HUG engineer
Swayne	L90	Description of Pat Swayne's Z-120 computer
SW-3000 Comptr	S30	Notes- H/Z SW-3000 is 80286 8MHz computer
SW-3010 Monitor	S30	Notes- H/Z SW-3010 is 13" hi-res EGA color monitor
SYMDEB Debugger	L19	"Advanced Debugging with SYMDEB"
SYMDEB 2Termnl	L19	"TERM.ASM", Paul Herman, Pgl1, Use two terminals
SYMON.BAS	S16	"SYMON Says: Challenge Your Memory" by Edward Byrnes
SyQuest Drive	L92,93,95	Insert: "SyQuest Removable HardDrives Documentation"
SYSET Pgm	R42	"What Does Set SY: Set?", B. Tavalga, HDOS
SYSET Pgm	R44	Ltr- Add'l on "What Does Set SY: Set?"
System Halt	L1	"Sidestepping a System Halt"
System Log	R71	"System Log...", R. Hudson, IRS-Must track use, Z-100
System Setup1	R69	"Set Up Your System", W. Adney, Hard & Software
System Setup2	R71	"Set Up Your System", Useful Utils & Pwr Protect
System Setup-	R77	Ltr- Comments on "Set Up", B. Rathkamp, Power protect
S-100 Card	L52	Ltr- Z-100 with several strange S-100 boards
S-100 Column	L22	The Computer Journal Begins S-100 Column

<b>Keyword</b>	<b>Issue#</b>	<b>Article</b>
Table Kit	S11	"Build Portable Computer Stand" by Nelson Cochran
TASM-assemblr	L50	"TASM-Table Driven Cross Assembler", Thomas Anderson
Tax Spreadsh	L56,57	Insert: "Federal Tax Spreadsheet, Form 1040A"
Tax Spreadsh	L61	"Form 1040A Spreadsheet Update"
TEAC FD55-GFR	L42	Insert: "Dual/Quad Density Drive", Jumper settings
TEAC FD235HF	L34	Insert: "TEAC FD-235HF 3.5" Dual Dens Drive", Specs
TEAC FD505	L76	Insert: "TEAC Dual Dens Floppy Drives", Specs, Jmprs
TEAC FD505-100	L42	Insert: "Dual/Quad Density Drive", Jumper settings
Tecmar Captain	R74	Ltr- Hoping Others..., J. Curtsinger, 1 ver for Z-150
Tecmar Captain	R76	Ltr- Software Wizardry Rebutal, ROM Diff for H/Z PC
Tecmar Captain	R76	Ltr- Tecmar Captain..., R. Massa, or move RAM
Tektronix 4010	R71	"Tektronix 4010 Emu", J. Lee, Flexitek, VGRAPH, Z-100
Tektronix 4010	S18	"Terminal Emulation for Z-100" by Glenn Roberts
Teletek Z-150MB	S15	Notes- Mem board for Z-150 w/RTClock & game port
TELLSTAR	R68	"TELLSTAR, Win To Universe", R. Rumpf, Astronomy, PC
TERM	R71	"Set Attributes of Console & Ptr", W. Pierpoint, Z-89
TERM Emulator	S26	"Writing Hdware-Independ Terminal..." by William Hall
TERM.ASM	L19	"TERM.ASM", Paul Herman, Pgl1, Two terminals w/SYMDEB
TERM3.BAS	L63,64	Insert: "Two Terminal Operations!", Terminal program
Terminal Ctrl	R46	"Stds for Terminal Control", D. Warnick, HDOS, CP/M
Terminal Ctrl	R50	Ltr- Corrections to "Term Ctrl", D. Warnick
Terminal Ctrl	R53	Ltr- Corrections to "Term Ctrl", D. Bailey
Terminal Ctrl	R64	Ltr- Biohythm Mod to "Term Ctrl", E.F. VanNostrand
TESTKEY.EXE	L111	Insert: "TESTKEY.EXE", w/source, ASM, Z-100
Text Editor	R11	"Get Start w/Text Editor", W. Campbell, HUG's ED
Text Editor	R15	"PAGED: Text Editor Anyone Can Use" by S. Witt, Z-89
Text Editor	R19	"Column Indicators...", D. Gibson, Uses scrn line #25
THE15.BAS	L71	Corrections to ZBASIC Games; Video probs
TimePiece	R97	Ad- Software Wizardry TimePiece, Date/Time, Z-100 & PC
Timer Pgm	S22	"Z-100NB" by William Locke, ASM 10 second timer
TimeSaver	R43	"The Time Saver", G. Stephenson, a SUBMIT File



TimeSaver	R44,46	Ltr- Comments on TimeSaver
TinyBASIC	R12,13	"Tiny BASIC Tricks", P. Swayne, LongDivsn/SquareRoots
TinyBASIC	R17	"Tiny BASIC Tricks", D. Colner, HEX-DEC Conversion
TinyPASCAL Gfx	R17	"Color Graphics in Tiny PASCAL", HA-8-3 Color Gfx Brd
TinyPASCAL	R56	"Add Command Line Processing...", C. Hall
TinyPASCAL	S1	"Candid Look at Tiny Pascal" by Arnold Madeira
TinyPASCAL	S11-13	"Introduction to Pascal" by William Tavolga
TinyPASCAL	S15	Ltr- Correction to Part 2
TinyPASCAL DIR	R18	"Disk Catalogs from BASIC or Tiny PASCAL", L. Suarez
TinyPASCAL Ptch	R19,21	Pg19,11 - Tiny PASCAL causes crash if compiled on H8
TinyPASCAL Ptch	R45	PPage- Tiny PASCAL console width fix
TinyPASCAL SORT	S24	"Sorting on Your Terms..." by Thomas Best
TK SOLVER	R111,119	"TK SOLVER Plus, 1&2", E. Wiggins, Equation Solver
TMSI H-1000	S14	"TMSI's H-1000: Grafting an 8086..." by Wayne Rash, Jr
TMSI H-1000	S16	Ltr- Complaints regarding H-1000
Toolworks "C"	S21	"Z-100NB" by Alison Phillips, introducing "C"
Toshiba P351	R88	"24-pin Printing", D. Alspach, Review
TRACON	R71	"TRACON - Air Traffic Ctrl Sim...", H. Krenz, Z-150
Travel	R74	"Computers in Europe", D.C. Shoemaker
Travel	R146	"...Age of Travel", D. Shachar, Code-pages, DOS3.3
TREECOPY	S20	"Z-100NB" by A. Phillips, using TREECOPY to renew dir
TREECOPY	S21	Ltr- Different syntax for TREECOPY
TREECOPY Bug	R97	Ltr- TREECOPY Bug, R. Ferch, TREECOPY in DOS3 PUP
TREECOPY Bug	R102	Ltr- Error in TREECOPY, R. Ferch, Add'l re DOS3 PUP
Tree Data Struc	R51	"Intro to Data Structures, Trees", E. Yount
TRI-D	R48	Ad- TRI-D, 3-dim grafx for Z-100 fm Proteous Software
Trig Functions	S3,8	"Double-Prec Trig Functions", Hugh Kenner, using BASIC
Trig Functions	S19	"BASIC Q/A" by Edward Byrnes, trig functs w/ZBASIC
Trig InvFunc	R26	Ltr- Inverse Trig Functions for BHBASIC, Z-89
TRS80 <-> Z-89	R68	"H-89...Interface to TRS80", V. Fritz, Z-89
TSR	R94	"Intro to TSR's", P. Swayne, Terminate & Stay Residnt
TSR	R112	"PwrUp", W. Adney, Troubleshoot TSR Problems
TSR Memory Use	S38	"Eight-Bit World" by Walter Janowski, Term Stay Res
TSR Program	L11	"A Pop-up Printer Utility for Z-100" by R. Gugeler
TSR Program	L15	"Detecting Already Resident TSR's" by R. Brasfield
TSR Pgms	R115	"Save Memory w/TSR Pgms", P. Swayne, Use Root Dir
TSR Pgms	R123	"Manage DOS Resident Pgms", M. Wilson, Utils
Turbo Advantage	S40	"PerPASCAL" by Ben Ezzell, Advantage PASCAL src-code
TurboBASIC	R95	"BASIC Wars", B. Dubbs, TurboBASIC data structures
Turbo 'C'	R107	"Get Start w/Turbo C", A. Neibauer
TurboGeometry	S40	"PerPASCAL" by Ben Ezzell, TurboGeometry Lib
TurboPASCAL	R50	Ltr- "New PASCAL Compiler" from Borland, D. Risher
TPASCAL	R63	"Turbo-Charging ...", F. Dreano, ZBASIC BASCOM Lib
TPASCAL	R105	"Writing Z-100 Software...", T. Riggs, I/O Drivers
TPASCAL	R106	"Turbo Pascal, Pt1", M. Elwood, Basic Commands
TPASCAL	R107	"Turbo Pascal, Pt2", File I/O & more commands
TPASCAL	R108	"Turbo Pascal, Pt3", The DOS Unit
TPASCAL	R109	"Turbo Pascal, Pt4", The CRT Unit
TPASCAL	R112	"TurboPascal...", K. Greer, Common Ground Z-100 & PCs
TPASCAL	S25	"Turbo Pascal: New BASIC Language?" by Hugh Kenner
TPASCAL	S24	"Print Big in BASIC & TurboPASCAL", Peter Wentworth
TPASCAL CHAOS	R109	"CHAOS M'scope", H. Kenner, Fractals, Verhulst Equatn
TPASCAL ClrScn	R103	"Clear < Screen...", K. Greer, Z-100 & PC version
TPASCAL Color	R78	"Keybrd Code, Menus & TPASCAL", J. Jeffrey, Color TP
TPASCAL DirSort	R82	"PASCAL Dir Sort...", T. Merriman, CP/M, DOS
TPASCAL Input	R92	"User Input in Turbo PASCAL", R. Ferguson, Z-100 & PC
TPASCAL Mouse	R87	"Mouse & TurboPASCAL", M.D. Holmberg, Z-100 & PC
TPASCAL Pgmng	R137	"Get Most From Computer 1", John Lewis, TurboPASCAL
TPASCAL Pgmng	R138	"Get Most2", Chg pgm1 into PASCAL Unit; Calculator
TPASCAL Pgmng	R139	"Get Most3", Chg CALC.PAS into Unit, Comp Mem Addr
TPASCAL Pgmng	R142	"Get Most3", Remainder of Listing2, Pg12.
TPASCAL Pgmng	R140	"Get Most4", Calendar Util uses 'Zeller's Congruence'
TPASCAL Pgmng	R141	"Get Most5", TurboPASCAL Debugger & SortDir

TPASCAL Pgm	R142	"Get Most6", Word wrap and programming logic
TPASCAL Pgm	R143,144	"Get Most7&8", Data base programs
TPASCAL Softkey	R105	"TurboPASCAL Softkeys...", R. Perrella, Z-100
PASCAL ZPC	R73	"ZPC Update #3", P. Swayne, Patch TurboPASCAL
TPASCAL ZPC	R81	Ltr- ZPC Patch Prob, S. Neumann, TurboEditor inop
TurboPASCAL4	S39	"...Send Printer Output to Disk" by Michael Schwarz
TPASCAL<--ASM	R83	"Interfce ASM Gfx Routines to TurboPASCAL", R. DeBey
Turbo Vision	R146	"Get Start w/Borland's Turbo Vision", J. Trybus
TurboZ	R112	"TurboPascal...", K. Greer, TPASCAL Lib, Z-100 & PCs
TurboZ Gfx	L3	"Z-100 Graphics Libraries", A Comparison
TwoTermOps	L62,63	Insert: "Two Terminal Ops!" Hardware cables & softwr
TwoTermOps	L64	Insert: "MTR-ROM v4.2 TXCVR Programs" by John Beyers
TwoTermOps	L72	HOWGOZIT: Two terminal update; display problems
TwoTermOps	R33	"CP/M Console Swapper", B. Ellerton
TwoTermOps	R42	Correction to CP/M Console Swap above
TwoTermOps	R52	"Download (Txfer) Binary & ASCII Files", A. Wilcox
TwoTermOps	R85	"Networking", F. Kent, Z-89 <-> Z-100 via Ser ports
TwoTermOps	R87	"Two Terminal Games", S. Vagts, MBASIC, ASM, Z-89
TwoTermOps	R89	"More Two Terminal Games", S. Vagts, POKE
TXCVR Pgms	L64	Insert: "MTR-ROM v4.2 TXCVR Programs" by John Beyers
TXCVR.COM	L63,64	Insert: "Two Terminal Ops!" Assembly program listing
TXTPRO	R59	"...Newline's HDOS Upgrd...", P. Swayne, Z-100
TXTPRO	R73	"Profess'l Writing...", D. Shoemaker, Prof Text Proc
TYCOON	R67	"New Products From Blue Chip Software", S. Walker, PC
Type & Talk	R45	"Using Speech Syn Under CP/M", B. Brownlee, Vortax
Type & Talk	R53	"Using Speech Synthesizer on Z-89", B. Boyd
TYPELINE	S29	"Z-100 Typesetting: Better Than..." by John Serio
TYPING Patch	R53	"Correction", pg 68, HUG TYPING pgm (P/N 885-3011-37)
Typing Tutor	S1	"BHBASIC Tests Typing Reaction Time", Raymond Dotson
TYPIST.BAS	--	See MBASIC TYPIST
TZ-100 Speedup	R71	Ltr- Del Scientific Alt, K. Sechler, 7.35 / 6.67 MHz
T-PROM	S20	Notes- T-PROM improved char generator for H/Z-19/89

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UART	L52	Ltr- Info on various UARTs; 16550, 16450, 8250
UCI EasyRAM	L7	Q&A: UCI EasyRAM mem brd w/Software Wizardry RAMPAL
UCI RAMdrive	--	See Z-100 RAMdrive
UCSD PASCAL	--	See PASCAL UCSD
UDUMP Patch	R51	PPage- patch Print Screen
UD.COM	S17	"Versatile Printer Driver for CP/M" by Daniel Jerome
Upgrade Comptr	R111	"LeadEdge", W. Adney, New vs Upgrade Computer?
UMB Expand Mem	R139	"LeadEdge", W. Adney, UMBs =1st 6 blocks >640k ExpMem
UNIVERSE Game	R69	"Omnitrend's UNIVERSE", H. Nichols, Space simulation
UNIX	R102	"Peek at UNIX", J. Bazhaw, MultiUser, MultiTask, OS
UNIX	R127	"UNIX on an 8088, Almost", J. Bazhaw, Z-100PC
UNIX	R144	"UNIX on a Budget", B. Wittig, COHERENT review
UNIX	S14	"New Gen Brings Charm of Unix to CP/M" by Walter Jung
UNIX MKS Tools	R129	"UNIX - Exploring MKS Toolkit", B. Rylander
UNIX & DOS	R114	"DOS & UNIX, Pt1", T. Bing, Differ & similarities
Unusual Use	L93	"Most Unusual Use of the Z-100" - Factory
Upgrade Z-100	L13	"Z-100 Upgrade Series" by 'Gern' Gernware Enterprises
Upgrade Z-100	L14	"Z-100 Upgrade2", Evil Blue Empire, Z-100 Features
Upgrade Z-100	L15	"Z-100 Upgrade3", Z-100 Power Supply, Reqs load...
Upgrade Z-100	L16	"Z-100 Upgrade4", Zenith Z-100 MTR-100 Monitor ROM
Upgrade Z-100	L16	"Beginner's Guide to the Z-100", Paul Herman
Upgrade Z-100	L108	Insert: "Beginner's Guide to Z-100", S. Vagts, Updatd
UPS - Protect	L48	"Protect Electronic Equipment", Surge, UPS, Sizing
USAF Conference	S15	"H/Z Dominates USAF Computer Conf" by Mark Goodkin
User Guide	S7	"Unconfusing the New User" by L.R. (Roy) Broun
User Guide	S8	"Kids & Computers:..." by Frank & Mary Lynn Hutchison
User Guide	S9	"One Family Learned to Live..." by Skip & Pam Chambers
User Guide	S28	"CompSelfDef" series by Doris Wagner & Alan Heigl

User Guide	S30	"CompSelfDef" terminology, operating sys
User Guide	S32	"CompSelfDef" computer documentation
User Guide	S39	"CompSelfDef" file names, keys & chars, ASCII
User Guide	S40	"CompSelfDef" op sys features, write-protect, myths
User Guide	S32	"Coming of Age w/Computers" by Don Breslauer
User Hackers	S14	"Heathkit Hackers at Home, Survey..." by David Felstul
User Survey	S35	"IBM Compatible & Zenith User" by Mark Reishus, Survey
UserTechnoklutz	S7	"Confessions of a Technoklutz" by Virginia Vineyard
USR Funcs	R46	"Load & Use USR Functions", J. Britton, MBASIC, ASM
USRobotics Modm	S19	"Upgrade Internal Modem for..." by Charles Layman
USS FAST ATTACK	R65	"USS Fast Attack Sim...", R. Rumpf, Z-100 game
Utah COBOL	R80	Ltr- COBOL for Masses, L. Roberts, \$40 COBOL, Z-100PC

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Variable Names	R83	"Variable Names", J. Davenport, GWBASIC, Z-100PC
VCACHE	S35	"WinWorld" by J. Richard Hines, VCACHE disk-cache pgm
VDISK.SYS	S29	"Z-100NB" by W. Locke, VDISK, DOS v3 vers of MDISK
VEGA-BOUND 1	R51	"Vega-Bound 1", T. Huber, Z-100 graphics space game
VEGA-BOUND 2	R93	"Vega-Bound 2", M. Wolfson, Z-100 graphics space game
Vendor	S27	"Vendor Strategy: Grow by Adapting", Victoria Saxon
Vendors H/Z	R48	H/Z Related Vendors and Contact Info, 1983
Vendors H/Z	R60	H/Z Related Vendors and Contact Info, 1984
VFILER	S16	"Z-100NB" by Alison Phillips, VFILER file mgmt util
VGA Super	R149	"It's Super VGA", J. Ross, Diff btwn VGA & Super VGA
VGRAPH	R71	"Tektronix 4010 Emulation", J. Lee, Flexitek, Z-100
ViaNet	S31	"Z-100NB" by William Locke, Network w/KAL1000 & ViaNet
Video Pt1	L8	"Understand Z-100 Video" Series by Gary Appel, Text
Video Pt2	L9	"Understd Z-100 Vid", Writing to Video Memory
Video Pt3	L10	"Understd Z-100 Vid", CRT Controller
Video Pt4	L11	"Understd Z-100 Vid", Alternate Display Modes
Video Pt5	L12	"Understd Z-100 Vid", Monitor Routines & Variables
Video Pt6	L13	"Understd Z-100 Vid", Graphics & Colors
Video	L24	Q&A: Can Z-100 video be sped up?
Video Align	L42	Insert: "FSBulletin Z-100-010", 4 ZBASIC pgms to help
Video Amber	L46	Z-100 News, 13 Yrs Ago Today: Z-120 display option
Video Board	L68	Insert: "Monitors for Z-100", Collection of info
Video Board	L42	Insert: "FSBulletin Z-100-051", Video brd power load
Video Capture	--	See IMAGE Review or ImageWise
Video Dim	L42	Insert: "FSBulletin Z-100-034/-050", Z-120 Display Dim
Video Bright	L68	Insert: "Brightness Adjustment on Z-120 All-In-One"
Video Cabling	L14	"Z-100 Video Cabling", Video Monitor & ZVM-135 Pinout
Video Cabling	L79	The ZVM-135-1 Cable is used w/ZVM-134/135/136 monitors
Video Cabling	L99	"Z-100 User's Man", ZVM-134/135 Monitor Pinouts
Video CtrlPort	L5,6	"Easy ZVM-131 or ZVM-135 Monitor Cable"
Video Display	L3	SuperQuiz: Why use Flash & Color enable bits?
Video Intense	L79	"Z-100 Video Display"
Video Intrlace	L9	Insert: "Z-100 User Configs", Video cable intensity
Video Intrlace	L17	SuperQuiz: Using Interlaced mode for 50-line display?
Video Logic Bd	L79	"High-Res (640x480) Basic", Programmers Wanted
Video Logic Bd	L74	Insert: "Z-100 User Config", VideoLogicBd Jmprs/Pinouts
Video Output	R32	Insert: "MB & Video Board Mods", See ZPC V2 Mod
Video Paging	L90	"Video Output", W. Cohn, Composite video <b>circuit</b> , Z-89
Video Pinout	L79	Insert: "ZBASIC FLIPDEMO.BAS Video Paging Demo"
Video Primer	R139	Insert: "Z-100 User Configurations", Z-100 RGB Pinout
Video Prob	L42	"PC Video Primer", D. Veit, History, types of PC video
Video Prob	L71	Insert: "FSB Z-100-037", Z-120 video smear, backward
Video ProScan	L6	"Fixes to ZBASIC Games", RANDOMIZE may cause Videoprobs
VideoRAM Upgrd	S15	Q&A: Use of ProScan on All-In-One?
Video 25-Line	L11	"Z-100NB" by Alison Phillips
Video 50-Line	L7	SuperQuiz: Scrolling all 25 lines at once
Video 50-Line	L53	"Using Sprint in 50-Line Display Mode" by Gary Appel
		"Fifty Line Z-100 Display!"

Video 50-Line	L57	"MTR-ROM v4.21 ESCape Seqs", Able to do 24-50 lines
Video 512 Color	--	See ProScan Video (Travis Barfield color board)
Virtual Disk	R110	"Z-100, BATCH Files, Virtual Disk...", R. Cavin
Virtual Disk	R114	"PwrUp", W. Adney, Virtual Disk & SUBST command
Virus	R101	"Keep Your System Healthy", P. Swayne
Virus	R103,104	"LeadEdge", W. Adney, Detecting/preventing
Virus	R107	"Sabotage, Virus & Trojan Horse", F. Starr
Virus	R122	"LeadEdge", W. Adney, Computer Viruses
Virus	R140	"Virus Protection & Disaster Recovery", A. Neibauer
Virus	R148	"LeadEdge", W. Adney, Michelangelo Virus
Voice MstrKey	R119,125	"LeadEdge", W. Adney, Covox Voice Master Key Sys, PCs
Vopt	S36	"WinWorld" by J. Richard Hines, Vopt disk optimizer
Vortex Speech	R45	"Using Speech Syn Under CP/M", B. Brownlee, Vortex
VSS-LOGO	S25	"Z-100NB" by William Locke, Z-100 LOGO fm Clarkson
VSWEEP	R114	"Inexpen Sftwre for Z-100", G. Elder, FileManipulator
V1 Video Sys	S31	"Z-100NB" by W. Locke, Hughes V1 Video Enhancemt Kit
V1 Video Sys	S39	"Colorful Z-100 Displays EGA Video", Stanley Schwartz
V20	L38	"V20 Replacement for 8088" by Robert Hassard

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WatchWord	L1	"Printing Text in Two Columns with WatchWord", Z-100
WatchWord	R51	"Review of WatchWord" from S&K Technology, P. Swayne
WatchWord	R66	"..WatchWord & Goodies", W. Adney
WatchWord	S14	"WW: Custom Built for Z-100" by Beaufort Lancaster
WatchWord	S18	"Quest for Ultimate WordProcessor", Kenneth Daniel
WatchWord Macro	R135	"By Your Command 1", Richard O'Connor, Chg Output
WatchWord Macro	R146	"By Your Command 2", Pushing the envelope
WatchWord News	S33	WatchWord News #1, HELP feature for WW v3
WatchWord News	S34	WatchWord News #2, WWCONFIG & ZPC, Query, fast Macros
WatchWord News	S35	WatchWord News #3, MailMerge, reformat a document
WatchWord News	S36	WatchWord News #4, More Paste Buffers, Moving Columns
WatchWord News	S37	WatchWord News #5, Z-100 WW v3.1 now avail
WatchWord News	S37	WatchWord News #5, WW Speller, Z-100 WW Help files
WatchWord PC	R82	"LeadEdge", W. Adney, PC Watchword, PC Clones
WatchWord3	S33	"Z-200 Series" by William Locke, WW on the Z-248
WatchWord3.2	L15	"WatchWord v3.2 Update Announcement", Z-100
WatchWord3.2	L39	Ltr- WatchWord v3.2 prob w/MS-DOS v4.01, Z-100
WatchWord3.21	L40,41	Ltr- Fix for WWCONFIG that causes Z-100 crash
WatchWord WWP	R69	Ltr- Foreign Lang..., J. Collins & H. Rubin, WW Prntr
Weather Sta	R37	"Weather Station Computer Interface", E. Wright, Z-89
WestCoastFaire	R28	Hug Goes West, West Coast Computer Faire SanFran '82
WestCoastFaire	R53	"Faire Weather Computers", P. Swayne, '84
WestHUGConf	R57	"Western Reg HUG Conf Nov 10, 84, Anaheim, CA
WHIZ	--	See Z-100 WHIZ
WILDFIRE	R83	"WildFire Review", K. Lerch, Speedup mod for Z-100PC
Wild Interrupt	--	See Z-100 Wild Interrupt
WINCAD	R72	"Gemini Emulator Board...", W. Adney, Z-100
WindowDOS	R92	"LeadEdge", W. Adney, RAM-resident file manager
WindowDOS2.0	S33	"Z-200 Series" by William Locke, WindowDOS TSR
WINDOWS	L47,48	Z-100 News, 13 Yrs Ago Today: Z-100 Windows v1.03
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WINDOWS	R130	"Windows: Do You do Them?", J. Bazhaw, Z-100 & PC
WINDOWS	R148	"Text Windows for Monochrome Display Adaptor", R. Moon
WINDOWS	S10	"Windows Opens Door to Compat.", Frederick Zimmerman
WINDOWS	S31	"Opening Windows on Z-100" by Robert Rasch, review
WINDOWS	S32	Ltr- Windows observations & comments, WIN v1.01 probs
WINDOWS & DOS	R149	"Practical Tips", N. Visco, Try DOS pgm under DOS
WINDOWS Floppy	L84	DANGER! Understand Disk Vol Tracking; Floppy trashing!
WINDOWS Mouse	L3	"Z-100 Windows won't recognize Mouse?"
Windows World	S33	"WinWorld" series by J. Richard Hines, Windows & DOS
Windows World	S34	"WinWorld" interface, v2, cursor ctrl, Sftwre Dvlpmt
Windows World	S35	"WinWorld" memory, Excel, Vcache, Rampage, .PIF files

Windows World	S36	"WinWorld" books, multitasking, ESDI & SCSI HD ctrlrs
Windows World	S38	"WinWorld" mix graphics/text, text fonts, bit-map
Windows World	S39	"WinWorld" Software Dvlpmt Kit, CodeView, Graph Plus
WIN89	S29	"Eight-Bit World" by Walter Janowski, 20Mb HD for 89
WIN89	S30	Ltr- WIN89 update from Micronics
WISE Patch	R45	Ltr- ASM patch to WISE for Z-80 computers, Z-89
WORD FINDER	R74	"Eval of WORD FINDER...", B. Schiffbaur, Synonym Findr
WORD Microsoft	--	See MS WORD (Microsoft Word Processor)
Word Processor	S18	"Quest for Ultimate WProcessor" by Kenneth Daniel
WordKey WStar	R67	"Look at Software", W. Adney, For WordStar by DelSoft
WordPerfect	S18	"Quest for Ultimate WProcessor" by Kenneth Daniel
WordPerfect	S20	Ltr- WordPerfect closer to Ultimate
WPerfect Execut	R127	"WordPerfect Executive, Integrtd Pkg", E. Wiggins, PCs
WPerfect & PT	R73	"Peachtext vs WordPerfect...", A. Phillips, Comparison
WPerfect ZPC	R81	ZPC and WordPerfect, W. Tavoilga, Works fine.
WPerfect4	R97	Ltr- Bug in WPerfect4.2, R. Haythornwaite, Clock 02:00
WPerfect4	R102	Ltr- Bug in WPerfect4.2, D. VerMerris, Clock 02:00
WPerfect4	R102	"Get Started w/WordPerfect", A. Neibauer, Intro
WPerfect5	L3	"WordPerfect 5.0 & the Z-100" by David Johanson
WPerfect5	L32	Ltr- W/Gemini Emulator, Caps Lock key doesn't work?
WPerfect5	L38	Column 1, center: Caps Lock fix given for Gemini use
WPerfect5	L34	HOWGOZIT: WPerfect Corp. no longer supporting v5.0
WPerfect5	R104	Ltr- WP5 Not for Z-100, G. Evens, Locks up Z-100, PCs
WPerfect5	R109	Ltr- Response to Gary Evens, L. Motyka, Use ZPC v2
WPerfect5	R109	Ltr- Refer to Evens, G. Evens, Use GEMINI Emulator
WPerfect5	R110	"...Outlining w/WordPerfect 5.0", W. Campbell
WPerfect5	R127,128	"WordPerfect Macros 1&2", E. Wiggins
WPerfect5	R128	"World of WP50 & its Wonders", Salli Brackett, PCs
WPerfect5	R130	"World WP50...2", Print Alice2, do merging
WPerfect5	R134,136	"World WP50...3&4", Styles / Column function
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WPerfect5 Fonts	R133	"Adding LaserJet Soft Fonts...", W. Nabor
WPerfect5.1	L51	"WordPerfect v5.1 Char Sets", Use of Compose feature
WPerfect5.1	R134	"WPerfect v5.1, New Features", E. Wiggins, Equations!
WPerfect5.1	R141	"Shrinking WPerfect for MinisPort", J. Klinke, Lynx
WPerfect5.1 Win	R148,149	"LeadEdge", W. Adney, WordPerfect 5.1 Upgrade for Win
WordSearch Game	R44	"Word-Search Puzzle Generator", L. Oswald, MBASIC
WordSearch Game	R76	Bug, Z-100 pgm vers of "Word-Search", L. Oswald, ZBAS
WordStar	L38	"Lotus 1-2-3 & WordStar Comments" by Bruce Ludlow
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WordStar	R103	"Get Started w/WordStar", P. Walberg
WordStar	R105,106	"LeadEdge", W. Adney, WordStar diamond, menus
WordStar	R143	"WordStar, Past & Present", W. Pitts, History
WordStar	S15	"Custom WordStar for DMatrix Prntr" by Stephen Prigozy
WordStar	S18	"Quest for Ultimate WordProcessor", Kenneth Daniel
WordStar	S19	Ltr- Add'l comments about a DIR shell substitute
WordStar	S21	Ltr- Save WordStar ruler lines with file
WordStar CItoh	R54	"WordStar & Prowriter 8510A Printer", G. Deley, Z-100
WordStar ClrScn	R68	Ltr- Clearing WordStar Screens, J. Spinti
WordStarConnect	L9	"WStar Connection", Adapts WordStar v4-v6 for Z-100
WordStar DIR	R75	"WordStar Directory Changer", J. Katz, CD.ASM, Z-DOS
WordStar DIR	R80	Ltr- Poor Man's Method..., S. Brackett, Katz CD.ASM
WordStar DIR	R81	Ltr- WordStar Dir..., R. Anderson, Katz alternative
WordStar DIR	R97	Ltr- Chging DIRs in WS, J. Meyers, HDrive, Fix
WordStar DIR	R102	Ltr- Smooth Op of WS in Directories, V. Mullis
WordStar DIR	R104	Ltr- Jim, Here's..., D. McCrady, Works in a directory
WordStar File	R68	"WordStar Filters", J. Smith, File Convsn w/Editors
WordStar File	R70	Ltr- Difficulty w/WS Filtrs, J. Smith, Use CONFIG.SYS
WordStar Mods	R46	"Z-100 WordStar: Added Flex", R. Metz, CP/M
WordStar Okidat	R63	Ltr- WordStar & Okidata 92, C. Tucker, Print issues
WordStar Patch	R61	"Making Z-100 WordStar Faster", P. Swayne, patches
WordStar Patch	R67	"HUG-Aids", P. Swayne, Fix BSpace on Z-150 WordStar
WordStar Patch	R71	Ltr- WordStar 3.31 Made Faster, S. Freed

WordStar Patch	S22	"Patching Away WordStar Wait" by Charles Ballinger
WordStar Patch	S23	Ltr- Alternative to having to patch WS
WordStar Review	R33	"WordStar, Reader Review" by E. Kanter, Z-89
WordStar Review	R42	"The Wand vs. The Star" by J. Immerwahr, Z-89
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WordStar3	L84	"WStar v3.3 patches!", Overstrike, Key Clicks, & Ptrs
WordStar3	L67	Ltr- While running WordStar 3, got "Wild Interrupt"
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WordStar4	R93	"LeadEdge", W. Adney, WORDSTAR thoughts
WordStar4	R95	"Print Blocks w/WS", P. Swayne, Patch to Prt Blocks
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WordStar4	S32	"Eight-Bit World" by Walter Janowski, CP/M WordStar
WordStar4	S37	"WordStar 4: CP/M" by Frank Hutchison, for HZ-90/100
WordStar4 vs 3	R93	"...Compare WordStar 3 & 4", P. Swayne, WS Z-100 Ptch
WordStarPro	R70	"Customizing WordStarPro...", F. Clark, Z-100 & PC
WordStarPro4	R93	"WordStar Prof V4.0", R. Mueller, Review, Z-100PC
WordStarPro5	R112	"...WordStar Prof V5.0", R. Mueller, Review, Z-100PC
WordStarPro5	R116	"Get Start w/WordStarPro, Rel5", G. Elder
WordStar2000+	R110	"...Enhanced WS2000+ v3.0", R. Mueller, PC clones
WORKS Microsft	--	See MS WORKS (Microsoft Integrated Software Pkg)
WRHUGCON '84	S16	"HUGCON West Takes Off" by Mark Goodkin, First
WRHUGCON '85	S22	"WRHUGCON's Magic Kingdom" by Victoria Saxon
WRHUGCON '86	S27	"WRHUGCON 3: HUGgies in Disneyland" by Kieran O'Leary
WriteHandMan	R107	"Write-Hand-Man Enhancements", pg 65
WriteHandMan	S22	"Eight-Bit World" by W. Janowski, CP/M Desktop Util
Writing Guide	S9	"Guide to Writing for Sextant" by John Walker
Writing Help	R142	"First Aid for Writing", M. Haverstock, RightWriter
W.I.S.E. Board	S14	"Let Your H/Z-89 W.I.S.E. Up" by James Bingham

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XBASIC	R18	Ltr- Patch XBASIC allow LowerCase on H11/H19, F. Kent
XCONTROL	R126	Ltr- X-10 Powerhouse, W. Sexauer, XCONTROL Features
XCOPY	R115	"LeadEdge", W. Adney, Using DOS' XCOPY Command
XMAS2003.BAS	L90	Insert: "ZBASIC Christmas Graphics 2003", S. Vagts
XPRINTER	S14	Notes- "X"PRINTER from Micro Peripherals NLQ DMatrix
XYZZY ON	S15	"Z-100NB" by Alison Phillips
XYZZY ON	S16	Ltr- Discussion of XYZZY undoc command & "Magic Word"
XYZZY ON	S19	"Z-100NB" by Alison Phillips, revisited
X-10 HomeCtrlr	R31	"Turn on Light...", Jim Blake, Home Control
X-10 HomeCtrlr	R118	"...Computer Control...", W. Nabor, Heath BC-290P
X-10 HomeCtrlr	R125	Ltr- Corrections to 'CompCtrl', W. Nabor
X-10 HouseMstr	R31	Ad- HouseMaster HomeCtrlr using X-10 and voice, Z-89
X-10 HouseMstr	R32	Corrections to HouseMaster HomeCtrlr using X-10/voice
X-10 PowerHouse	R81	Ad- BC-5000 Home Ctrl Sys; BC-290 Home Ctrl Interface
X-10 PowerHouse	R83	"Home Security...", D. Rye, Review
X-10 PowerHouse	R88	Ltr- BSR X-10..., A. Cohen, Pgm to use any COM port
X-10 PowerHouse	R113	BugZap, Pg63, HiSpeed H-386 does not recognize X-10

<b>Keyword</b>	<b>Issue#</b>	<b>Article</b>
Y2K Fix	L#61	MailBag: Y2K fix; replace w/Etch-A-Sketch
Y2K Prob	L#67	MailBag: Lotus 1A, ZBASIC have Y2K prob?
Y2K Prob	L#68	Y2K Impact on Z-100: Several pgms use :0 for 2000
Y2K Prob	L122	"Date Patch for CP/M 3's DATE.COM", Y2K Bug
Y2K ZCLK Patch	L127	"ZCLK Y2K Software Patch"

<b>Keyword</b>	<b>Issue#</b>	<b>Article</b>
ZANSI.DVD	L4	"Running InfoCom Games on Z-100", Roland Biggerstaff
ZANSI ESCapes	L37	Insert: "ZANSI ESCape Sequences"
Z-ARTIST	R59	"Z-Artist" GrafX Pgm for Z-100", M. Mangerson, Z-100

Z-ARTIST	R61	OOPS- Rest of Listing for "Z-ARTIST"
ZBASIC	R39	"ZBASIC Power..." by T. Jensen, Sine wave pgm
ZBAS Anima	S21	"BASIC Q/A" by Edward Byrnes, BASIC animation
ZBAS Banner	S24	"Print Big in BASIC & TurboPascal" by Peter Wentworth
ZBAS Battleshp	S20	"ZBASIC Battleship" by Gil Hoellerich, chg to MBASIC
ZBAS Beep	L4	Q&A: ZBASIC v1.1 Beep command "Device Unavail" patch
ZBAS Beep	L71	Corrections to ZBASIC Games; ZBASIC v1.1 has BEEP prob
ZBAS Beep	S15	"Z-100NB" by Alison Phillips
ZBAS CALLS	L72,73	Insert: "Call .ASM Routines from ZBASIC", w/examples
ZBAS CAT.BAS	R73	"Where's That File...", P. Fuhrmeister, ZBASIC, Z-100
ZBAS CHR\$	L51	"ZBASIC CHR\$ Functions"
ZBAS CHR\$	L51,52	Insert: "ZBASIC CHR\$/ESCAPE Codes"
ZBAS CIRCLE	S19	"Z-BASIC's CIRCLE Does More..." by Robert Thorne
ZBAS Clock	S28	"Put New Face on H/Z-100's Clock" by Angelo Giambra
ZBAS Clock	S29	Ltr- Fix to permit clock face pgm to strike midnight
ZBAS Clock	S30	Ltr- Change Z-BASIC's DATE function for GWBASIC
ZBAS CmdLineIn	R125	"Cmd Line INPUT for Compiled BASIC Pgms", K. Granzow
ZBAS Color	S17	"Making Z-BASIC Colorful" by Sidney Hack, mixing color
ZBAS Color	S19	Ltr- Number of color combinations was overstated
ZBAS Compiler	L117	"ZBASIC Compiler Prob/Bug?", Doesn't use CHR\$(27) ESC
ZBAS CROSSREF	R55	"Inside MBASIC", D. Dodgen, Cross Ref Utility, Z-89
ZBAS CROSSREF	R58,59,61	Ltrs- Comments on errors, C. Mowery
ZBAS CROSSREF	R64	Ltr- Revised CrossRef Util for Z-100, M. Zapolski
ZBAS CRG.BAS	R75	Ltr- Harper's June 85 Art, M. Zapolski, ZBASIC, Z-100
ZBAS DataStrc	R49	"Intro to Data Structures", E. Yount, BASIC, FORTRAN
ZBAS DataStrc2	R51	"IntroDS 2, Trees", E. Yount, BASIC
ZBAS DataStrc3	R57	"IntroDS 3, Hash Tables", E. Yount, BASIC
ZBAS DateCvsn	R61	"...KISS Dating", R. Winkler, Julian-Calendar Convsn
ZBAS DEMO Pgm	R45	"Run HandsOff Demo ...Pgm", V. Arias, run w/DEMO.BAS
ZBAS DOSMENU	R62	"A Menu for Z-100 Win Files", S. Chiavetta
ZBAS DOSMENU	R67	Ltr- Devoute BASIC Usr, J. Mosow, Alternate DOSMENU
ZBAS DSKLBL	R72	"DSKLBL.BAS...", R. Boehlein, MBASIC, CP/M, HDOS, Z-89
ZBAS DSKLBL	R79	Ltr- DSKLBL..., J. Nikolai, Mods for GWBASIC, Z-100
ZBAS Emulator	S18	"Tektronix Terminal Emulation..." by Glenn Roberts
ZBAS ESCape	R114	"Z-100 Survival", P. Herman, Spec Probs in BASIC
ZBAS Flag	R40	Finish a Flag started last time...G. Kabelman
ZBAS Flag	R43	Ltr- Corrections to Flag pgm.
ZBAS FontEd	R42	"Z-100 Font Editor" by M. Aagenas, FONTEd.BAS, Z-100
ZBAS FontEd	R50,54	Ltr- Comments and mods to "Z-100 Font Editor"
ZBAS FORTH	R56,58	"Z-FORTH: ...", R. Nelson, Converts BASIC to FORTH
ZBAS Fractals	S23	"BASIC Fractals" by Edward Byrnes, fractal pgm
ZBAS Fractals	S24,25	Ltr- Fractal pgm mods to enable compile & speed up
ZBAS Fractals	S26	Ltr- Saving fractal parameters w/program
ZBAS Fractals	S26	"Winning Fractals" by Edward Byrnes, pgm mods
ZBAS Fractals	S28	Ltr- more fractal modifications
ZBAS Fractals	S34	"Fast Fractals" by Kenneth Wright, for Z-100 or PC
ZBAS Fractals	S35	Ltr- Changes to Z-100 "Fast Fractals"
ZBAS FuncKey	R46	Ltr- ZBASIC WorkFile Initial SoftKey Setting Pgm
ZBAS Game	L5,6	"Escape from Warehouse", Thierry Klein; ZBASIC Listg
ZBAS Game	L71	Corrections to ZBASIC Games; ZBASIC v1.1 has BEEP prob
ZBAS GoTo	R54	"Paying the GOTO Ransom", D. White, Alternative GOTO
ZBAS GOUTTE	L8	"Z-100 Game Using Char Grafx", Thierry Klein, 'Drop'
ZBAS GrafGrid	R55	Ltr- Z-100 Graphics Pgm to print out a grid, J. Elam
ZBAS GrafGrid	R66	Ltr- Another graphics pgm for a grid?
ZBAS Graphics	L3	"Z-100 Graphics Libraries", A comparison
ZBAS Graphics	R85	"Sines, Cosines, 2D Grafx...1", T. Vaden, Z-100
ZBAS Graphics	S15	"...Graphics: Using GET and PUT" by Phil Winninghoff
ZBAS Graphics	S15	Notes- Z-BASIC Graphics & Games from Intuitive Logic
ZBAS Grafx Prob	R64	Ltr- MSDOSv2.13 ZBASIC Graphics Pgms bug, B. Pidoux
ZBAS GraphIt	R49	"Simply Graph It!", C. MacKeand, BASIC code display #s
ZBAS HALLOW08	L116	"HALLOW08.BAS, Halloween Grafx 2008", S. Vagts, PAINT
ZBAS HiResVid	L17	"High-Res BASIC: Pgmrs Wanted", For PROSCAN pgms
ZBAS HorzTab	R57	Ltr- Still Bugged w/HT, D. Vickers, ZBASIC pgm

ZBAS Imprvmts	S15	"Z-100NB" by Alison Phillips
ZBAS Integer	R127	"Single-byte Integers in BASIC", K. Granzow
ZBAS Interlace	L9	Quiz: Z-100 Interlaced video mode from ZBASIC
ZBAS LINE	R83	"LINE Clipping in BASIC", J. Tursa, LINE command prob
ZBAS Logic	S40	"ZBASIC Simula of Logic Gates" by William McKenzie
ZBAS Lottery	S19	"BASIC Q/A" by Edward Byrnes, computer lottery number
ZBAS Manorah	R62	Ltr- Little Late..., J. Bursstein, Jewish manorah pgm
ZBAS Memory	R63	"SHORTEN: Save Memory in BASIC Pgms", P. Brans
ZBAS Menu	R62	"A Menu for Z-100 Win Files", S. Chiavetta
ZBAS Menu	R67	Ltr- Devoute BASIC Usr, J. Mosow, Alternate DOSMENU
ZBAS Map Pgm	R49	"ZBASIC Mapping Pgm: BASMAPER", T. Miller, Z-100
ZBAS Map Pgm	R51	"OOPS!- List left out: A=0 1, B=0 2, C=0 3, D=0 4
ZBAS Map Pgm	R52,53	Ltr- More changes to "Mapping Pgm", T. Miller
ZBAS Part 1	R34	"Intro to ZBASIC..." series by Gerry Kabelman, Color
ZBAS Part 2	R35	Locate command & Line 25
ZBAS Part 3	R37	Look at the PSET and DRAW commands
ZBAS Part 4	R38	Look at PAINT, GET and PUT commands
ZBAS Part 5	R39	Look at CIRCLE, and more GET and Put uses
ZBAS Part 6	R40	Finish Flag started last time.
ZBAS Part 7	R41	Look at BEEP, COLOR, SCREEN & POINT
ZBAS Part 8	R42	Look at CSRLIN, DATE\$ & TIME\$
ZBAS Patch	L90	Patch to ZBASIC v1.1 for BEEP problem
ZBAS Patch	R57	ZBASIC Patch, P. Swayne, Fix ZBASIC 1.1 BEEP Bug
ZBAS PreProc	S22	"...Preprocessor: Pgms w/o..." by Larry Oberholtzer
ZBAS PreProc	S23	Ltr- SBASIC is alternative to ZBASIC Preprocessor
ZBAS Prime #s	R57	Ltr- Z-100 Bnchmark Primer, ZBASIC Prime #s, Gilbreath
ZBAS Prime #s	R64	Ltr- Z-100 Bnchmark Primer, Missing Table, R&J. Hirsch
ZBAS Pgmng	S13	"Make Z-BASIC Friendlier" by Sidney Hack, change msgs
ZBAS Pgmng	S18	"BASIC Q/A" by Edward Byrnes, versatile grafx tool
ZBAS Protect	R67	"HUG-Aids", P. Swayne, Recovering from Protect Mode
ZBAS Protect	R85	"Unprotect...", W. Simpson, File recovery
ZBAS Protect	R89	Ltr- Unprotect BASIC, J. Earl, Easier method
ZBAS REACTOR	R64	"Meltdown Imminent", J. Rogers, ZBASIC pgm, Z-100
ZBAS RndomFile	R44	Q&A- Lose last part of MBASIC random file using PIP?
ZBAS RndomFile	R50	"Random Files", D. Warnick, MBASIC
ZBAS RndomFile	R51	"Random Files, Sorting 1", D. Warnick
ZBAS RndomFile	R52	Correction (pg63), D. Warnick
ZBAS RndomFile	R52	"Random Files, Sorting 2", D. Warnick
ZBAS RndomFunc	R49	"...Random Numbers & Random Function", K. Mortimer
ZBAS RndomTime	R59	Ltr- Prob Using RANDOMIZE TIME, D. Tapparo
ZBAS Rndom #	L71	Corrections to ZBASIC Games; RANDOMIZE cause video prob
ZBAS Rndom #s	R53	Ltr- A Prob with ZBASIC random # gen, D. Harvey
ZBAS Rndom #s	R55,56,57	Ltr- Other solutions, comments
ZBAS RATMAZE	L117	"ZBASIC RATMAZE Game", S. Vagts, FONT Chr Set
ZBAS SciCalc	R56	"LeadEdge, SciCalc Scientific Calculator, W. Adney
ZBAS Simulate	R50	"ZBASIC Simulation Techniques", A. Smith, Z-100
ZBAS Sunrise	R12	"Sunrise, Sunset", L. Schearer, ?BASIC
ZBAS Sunrise	R15	Ltr- Correct "Sunrise, Sunset", M.G. Keeney, ?BASIC
ZBAS Spiral	R64	"Spiral Magic...", G.Cramblitt, PASCAL & ZBASIC, Z-100
ZBAS StarGame	R54	"Shoot Stars, ZBASIC Color Game", C. Pearce, Z-100
ZBAS StrtLins	R46	"Pgm 4 Fun", G. Hill, Start BASIC pgms w/these lines
ZBAS Strings	R46	Ltr- ZBASIC Routines - Compare&Search String Routines
ZBAS SYMON	S16	"SYMON Says: Challenge Memory" by Edward Byrnes
ZBAS TankGame	R52	Ltr- "ZBASIC Pgm", E. Byrnes, Mobile Tank Game
ZBAS TankGame	R54	Ltr- Correction to "Tank Game", M. Sickie
ZBAS Timing	S16	"Z-100NB" by Alison Phillips
ZBAS Titles	R56	"BASICally Speakg", D. Tapparo, Add AutoTitles to Pgm
ZBAS Trig	S19	"BASIC Q/A" by E. Byrnes, displaying trig functions
ZBAS TYPiST	R75	Ltr- More than..., R. Cavin, "Typewriter" for Z-100
ZBAS WORDgame	R44	"Word-Search Puzzle Generator", L. Oswald
ZBAS WORDgame	R76	Bugs and Z-100 program vers of "Word-Search"
ZBAS Y2K	L67	Ltr- ZBASIC has Y2K prob?
ZBAS ZPLOTTER	R67	Ltr- ZPLOTTER, K. Van Wyk, ZBASIC Plotter Pgm, Z-100



ZBASIC<->ASM	R52	"ZBASIC Mach Lang Subroutines", R. Klopfenstein
ZBASIC<-BASIC	R44	"Conv PCBASIC Pgms to ZBASIC", J. Stetson
ZBREF Patch	R56	PPage- Patch to ZBREF, DOS Util (885-3014-37)
ZCLK Z-100	--	See Z-100 ZCLK
ZClock	L80	Insert: "Z-100 Calendar Clks: FBE SmartWatch & ZClock"
ZCM-1490 Mon	R112	BugZap, Pg 63, ZCM-1490 flat scrn monitor flutters
ZCM-1490 Mon	S29	Notes- ZCM-1490 Flat Technology VGA Monitor
ZCM-1490 Mon	S36	"Z-150 Series" by Russell Letson, review
ZCM-1490 Mon	S38,40	"Z-150 Series" Zenith ZCM-1490 FTM probs continue
ZCOM	R102	"Get Most From Laptop", J. Katz, ZCOM Manual
ZCPR	S17	"ZCPR-PDomain Enhancemt for CP/M...", Mitchell Ross
ZCPR	S22	"Eight-Bit World" by W. Janowski, ZCPR the EZ way
ZCPR3	R70	"Upgrade CP/M2.2 With ZCPR3...", R. Swenton, Z-89
ZCPR3 Install	R70	"Install of ZCPR3...", R. Allen, Z-89
ZCPR3 Install	R73	"ZCPR3 Semi-Auto Install, J. Furst, Public domain
ZCPR3+ZRDOS	R72	"Pwr of Z-System", R. Swenton, ZCPR3+ZRDOS=ZSystem, Z89
ZCLK	--	See Z-100 ZCLK
ZD Sorted Dir	R51	"ZD - A Sorted Directory...", J. Kalis, Z-100, ZDOS
ZD Options	R71	Ltr- ZD Options List, J. Kalis, (switches)
ZD Patches	R55,56,62	Ltr- Patches to ZD
ZD Patches	R62	Ltr- Bug and Enhancement to ZD, T. Gonsalves
ZD Patches	R67	Ltr- ZD Help File, L. Wier, Adds a Help File to ZD
ZDIR Color	R102	"Making ZDIR Colorful", M. McClellan, Z-100
ZDIR Upgrade	L92	"Add Color to your Z-100 Use", ZDIR.COM upgrade
ZDOS	--	See DOS
ZDOS	L6	"Still Using original ZDOS?"
ZDOS BIOS	R104	Ltr- DSBACKUP, P. Cziffra, ZDOS BIOS code chg
ZDOS Buffers	L26	SuperQuiz: When does DOS update it's buffers?
ZDOS CONDOR	R65	"Review of Condor DBMS", S. Butzbach, CP/M, ZDOS
ZDOS CONFIG	L59	"MTR-ROM v4.21 CONFIG.SYS"
ZDOS DEBUG	R58	Ltr- ZDOS - DEBUG Difference handling CMD parameters
ZDOS DiskAccess	R79	"Faster Disk Access...", P. Swayne, DOS, Z-100 & PC
ZDOS Disk Utils	--	See DOS3.3 DiskUtil
ZDOS DRIVECFG	L80	"Tale of 2 Computers", Numerous difficulties
ZDOS EDLIN	R62	"LeadEdges", W. Adney, Comments/patch on EDLIN
ZDOS Environmt	L16	"Incr MD-DOS Environment Space", R. Brasfield, Z-100
ZDOS JHMODEM	--	See JHMODEM
ZDOS Mem Mgmt	L23	"Memory Allocation under Z-DOS"
ZDOS Prt Ctrl	R49	"Simple Printr Ctrl for Z-100", C. Layman, Batch Files
ZDOS ScnDump	R63	Ltr- Screen Dump w/some Prntrs, B. Locke, PSC.COM
ZDOS ScnDump	R76	Ltr- Prevent Prowriter Print Prob, L. Landers, PSC.ASM
ZDOS SHIP	L39	Ltr- Is there a SCSI equivalent of SHIP?
ZDOS SHIP Prob	L29	Q&A: "SHIP gives error on Miniscribe Model 2012"
ZDOS vs PC-DOS	R115	"LeadEdge", W. Adney, MS-DOS versus PC-DOS versions
ZDOS Z-89 CO-16	R66	"Txport Z-89 to 16-bit World...", P. Ruber & L. Porter
ZDOS <-- HDOS	R44	Ltr- Txfer HDOS Text Files to ZDOS, L. Oberholtzer
ZDOS --> CP/M	R45	Ltr- Txfer Files from ZDOS to CP/M, L. Wilson
ZDOS1 Disk	R113	BugZap, Pg63, ZDOS1 does not read later DOS disks
ZDOS2 - 96tpi	R58	Ltr- It's Arrived, FAT change affects 96tpi drives
ZDOS2 - 96tpi	R58	Ltr- All Things Chg, File Txfer Bug with 96tpi drives
ZDOS2 - 96tpi	R90	Ltr- DOS2 vs DOS1, J. Hughes, Fix DOS2 prob w/96tpi
ZDOS2 - 96tpi	R93	Ltr- J. Hughes Letter, K. Simmons, using FAT-ID
ZDOS2 GC-1000	R65	Ltr- Z-DOS2 & GC-1000 Clock, B. Gabner, Patch, Z-100
ZDOS2 MDISK	R62	"...MS-DOS Memory Disk", P. Swayne, Patch MDISK.DVD
ZDOS2 MDISK	R82	Ltr- MDISK.DVD from MS-DOS2, E.W. Davie, Size RAM
ZDOS2 PUP Bug	R62	Ltr- Never-Neverland, G. Cramblitt, Not preserve Regs
ZDOS2 Upgrade	L26	Q&A: "Upgrade from DOS v2.x to v3.1?" Software Reqmts
ZDOS2.13 Patch	R58	Ltr- Z-DOS2.13 drops chrs on serial I/O, R. Schaeffer
ZDOS2.13 Patch	R59	"Fixes for MS-DOSv2.13", P.Swayne
ZDOS2.13 ZBASIC	R64	Ltr- MSDOSv2.13 ZBASIC Graphics Pgms bug, B. Pidoux
ZDOS2 PRINT	R59	Ltr- Annoying Prob with MS-DOSv2 PRINT, R. Mueller
ZDOS2 PRINT	R66	Ltr- More on Z-DOSv2 PRINT, D. Podejke
ZDOS3.0 PT5000	R82	Ltr- It Loses Files, G. Bullwinkel, PT5000 w/ZDOS3.0

ZDOS3.1 32Mb	R81	"LeadEdge", W. Adney, Breaks 32Mb limit
ZDOS3.2	L19,20	"Happenings", Getting PC-DOS v3.2 & v3.3 to work
ZDOS3.3	R123	"Explore Extras...ZDOS3.3", J. Axelson, Cmps others
ZDOS3.3 DiskUtil	--	See DOS3.3 DiskUtil
ZDOS4	L8	"Z-DOS v4 for the Z-100", Mixing Z-DOS & PC-DOS
ZDOS4 DPB	L44	Ltr- DOS v4 chg Drive Parameter Block on drives
ZDOS4 DskChg	L73	"Z-DOS v4 Disk Change Confuser", Dir not correct!
ZDOS4 ZDIR	L69	"Z-DOS v4 ZDIR.COM Developments"
ZDOS4.01	L20	"Happenings", Has DOS v4.01 working
ZDOS4.01	L25,28	"Z-DOS 4.01 A Preliminary Review" & "Available"
ZDOS4.01	L32	"Z-DOS 4.01 is Shipping/Bugs" & Shortcomings
ZDOS4.01	L33	"Getting MS-DOS 4.01 Up and Running"
ZDOS4.01	L35,36	"A Technical Evaluation of MS-DOS 4.01", M. Zinkow
ZDOS4.01	L37	"BIOS/Z-DOS v4 Free Upgrade is Out!"
ZDOS4.01	L37	"PREP (Upgrade Disk) Bug!", Fix given
ZDOS4.01	L38	"Z-205 RAM Board", Configuration w/DOS v4.01
ZDOS4.01	L39	"Z-217 HD Ctrlr Update!" No 64MB limit DOS v4.01
ZDOS4.01	L40	"BIOS/Z-DOS v4.01 Update #2!"
ZDOS4.01	L46	"More on Z-DOS 4.01", PREP Prob, Gemini, IO.SYS
ZDOS4.01	L69	"Z-DOS v4 Features & Operation Under MTR-ROM v4"
ZDOS4.01 ALTCHR	L34	"Z-DOS 4.01 Bugs", Missing ALTCHAR.SYS file prob
ZDOS4.01 ASGNPT	L33	"Z-DOS 4.01 Bugs", ASGNPART problem fixed
ZDOS4.0x ASGNPT	L83	"ASGNPART has a Problem with CTRL-P", DOS v4.x
ZDOS4.01 DIR	L38	"Z-DOS 4.01 DIR Bug!", with fix
ZDOS4.01 DSKCPY	L81	"Z-DOS 4.01 DISKCOPY Doesn't Work", all new version
ZDOS4.01 Doc	L33	"Z-DOS 4.01 Bugs", DOS v4 doc req'd w/purchase
ZDOS4.01 DRVCFG	L34	"Z-DOS 4.01 DRIVECFG", indepth review
ZDOS4.01 DskChg	L33	"Z-DOS 4.01 Bugs", Disk Change problem fixed
ZDOS4.01 Floppy	L34	"Z-DOS 4.01 Bugs", Difficulty w/DualDensity drvs
ZDOS4.01 HELP	L39	"HELP, A Program for Z-100 Computers", w/DOS 4.01
ZDOS4.01 HELP	L69	Insert: "Z-DOS v4 Help System", Review
ZDOS4.01 IO.SYS	L39	"Z-DOS 4.01 Bug in IO.SYS", Causes disk read prob
ZDOS4.01 IO.SYS	L76	Insert: "DOS v4.xx IO.SYS" Caused COPY R/W errors
ZDOS4.01 PREP	L46	"More on Z-DOS 4.01", Replacement fixed PREP Prob
ZDOS4.01 SHARE	L45	"Z-DOS 4.01 SHARE Utility", Why Share?
ZDOS4.01 WtchWd	L39	Ltr- WatchWord v3.2 prob w/Z-DOS v4.01
ZDOS4.01 ZVIDEO	L69	Insert: "DOS v4.01 ZVIDEO.COM", Review
ZDUMP	R71	"ZDUMP, Full Scrn Disk/Mem Util", P. Franchina, Z-100
ZED-COMM	S12	"Z-DOS Comms Roundup" by Frederick Zimmerman
ZEMulator	R60	"Op Sys Emulators", P. Swayne, Run Z-100 on Z-100PC
ZenCalc	R45	"3 Sprdshts", J. Turrell; Multiplan, SuperCalc, ZenCalc
ZenCalc	S4	"Eight Spreadsheets Compared..." by Kenneth Patrick
Zenith	S26	"Zenith: Planning for the Future" by Wayne Rash
Zenith	S30	"1977: Heath's 1st; 1987: Most Sales" Charles Floto
Zenith	S30	"...Ten Years of H/Z Computers" by Peggy Wallace
Zenith Data Sys	L29	"The Way it is...", Blame ZDS for Z-100 demise?
Zenith Data Sys	R124	Zenith Data Systems sold to Groupe Bull, 12/28/89
	R132	Jan '91, Zenith no longer associated with Heath and Heath Users Group (HUG) ==> Zenith Users Group (ZUG)
Zenith Data Sys	S1	Interview with Donald P. Moffet, President of ZDS
ZDS Support	L21	"Z-100 Support From Zenith Data Sys!", ZDOS v3.1
Zenith Radio	S1	"What's Zenith Doing in...?" by Jerry Pearlman
ZFMT207.COM	L99	Insert: "Z-207 Full-featured Format Program Review"
ZF-148 Dsktop	R71	"Review of HF-148 PC", B. Ellerton, Desktop PC w/pix
ZGIF Pgm	L21	"DoodlerV, ZGIF & ProColor Board", 256 colors
"Ziggy Zenith"	L46	Z-100 News, 13 Years Ago Today: Zenith Campaign
ZIMAGE v4	L112	Insert: "ZIMAGE v4" has issues, need help
ZIOMATE	S23	Notes- ZIOMATE provides Z-100 connection w/ext sys
ZIOMATE-100 Kit	L120	Ad- ZIOMATE-100, Analog-Dig1/Dig1-Analog IO Brd, Z-100
ZIP	S34,37	"Z-100NB" by William Locke, ZIP image processing
ZIP	S39	"Z-150 Series" by Russell Letson, ZIP Txfer cable
ZIP MultiDisk	L6	"Multi-Disk: Idea Waiting an Inventor", PKZIP
ZKB-2 Keyboard	R109	BugZap- Pg63, Intermittently loses contact w/computer

Zlynk/II Review	R51	"Zlynk/II Reviewed" by H. Nichols, Z-89, Z-100, CP/M
ZMAX RAM	--	RAM Upgrd to Z-100 from Graymatter Application Sftwr
ZMAX RAM Chips	L22	Feedback: Defective 256k D-RAM chips; note w/ZMAX kit
ZMAX RAM Chips	L47	Bits 'n Bytes: Use 150ns chips, ZMAX warning
ZMAX RAM Upgrd	L37	New & Updated Products: ZMAX and HA-108
ZMF100A	S40	"FBE's Mem Enhancement..." by Timothy Weil, ZMF100A
ZMM-1470 Mon	S29	Notes- ZMM-1470-G 14" Hi-res, green EGA monitor
ZMOUSE	S37	"Z-100NB" by William Locke, Paul Herman Mouse prods
ZORK Adventure	R111	"ZORK...", D. Gnagey, Text Adventure Game for Z-100
Zortech C++	R131	"Intro to C++, Pt1", L. Wilson, Zortech v2.0 compiler
ZPC	S27	"IBM Emulation w/HUG's ZPC" by Wayne Rash
ZPC BREAKER	L8	Get BREAKER to Work w/ZPC, Patch BIOS_CONFUNC, Z-100
ZPC DBASE3	R86	Ltr- Clipper & ZPC, T. Wilmarth, 4 Chgs to compld pgms
ZPC dCOM	L16	"Using dCOM and ZPC Together" by Jack Thompson
ZPC dCOM/Mouse	L9	"Using dCOM, ZPC and ZPC-Mouse Together"
ZPC Emulator	R70	"ZPC Update #1", P. Swayne, Z-100 Pgm to emulate PC
ZPC Emulator	R71	"ZPC#2", Patches using Batch files, Z-100
		Note: ZPC patches to LOTUS, DBASE III, FRAMEWORK
ZPC Emulator	R73	"ZPC#3", ZDOS3 ZPC3.COM, ENABLE, MULTIMATE, PC PALETTE
ZPC Emulator	R74	"ZPC#4", TrboPASCAL, WPERFECT, QickBASIC, PCWRITE
ZPC Emulator	R76	Ltr- Elim Error Msg, E. Bentley, Comments ZPC #4
ZPC Emulator	R76	"ZPC#6", ZPC Vs 2 is Here, Z-100
ZPC Emulator	R78	"ZPC#7", PATCHR, SETZPC, QuickBASIC, Multimate, WATFOR
ZPC Emulator	R78	"ZPC#7" Cont., Testing ZPC Hardware Support Cir, ZHS
ZPC Emulator	R78	"ZPC & Other Emulators...", W. Adney, Review, Z-100
ZPC Emulator	R79	"ZPC#8", ZPC CTRLbrk, Lotus2, DBASE3, GWBASC, MltiMate
ZPC Emulator	R80	"ZPC#9", ZPC HSC, ZPC7 Corr, Lotus, MSWORD3, WPerfect
		Note: Includes source code for ZPC's ZHSTST.COM
ZPC Emulator	R81	"ZPC#10", Cor to ZPC#8, Lotus/Symphony, ZPC HSC Ports
ZPC Emulator	R82	"ZPC#11", ZHS Solution, QuickBASIC v2
ZPC Emulator	R83	"ZPC#12", Improvd ZHS, Scottie Brd, CAD, DBASE3
ZPC Emulator	R85	"ZPC#13", ZHS, FRAMEWORK, SUPERCALC, JAVELIN, QUICKDOS
ZPC Emulator	R86	"ZPC#14", INT14.COM, Generic CADD, DigResearch GEM
ZPC Emulator	R87	"ZPC#15", ZPC Bugs, PCWRITE, ENABLE, CADD, Javelin
ZPC Emulator	R89	Ltr- JAVELIN.OVL, V. Reisenleiter, Overlay Patch
ZPC Emulator	R88	"ZPC#16", QuickBASIC, MsChart, MaxThink, Pgms That Run
ZPC Emulator	R89	"ZPC#17", DBASE, QuickBASIC, MsWORD, BestMENU, JAVELIN
ZPC Emulator	R90	"ZPC#18", Lotus FREELANCE & Sublogic JET
ZPC Emulator	R90	Ltr- ZPC Bug Cor, J. Collins, ZPC hangs w/COM1 port
ZPC Emulator	R92	"ZPC#19", WORDSTAR 4, WORD FINDER, NEWSROOM PRO
ZPC Emulator	R94	Ltr- Another Patch, R. Rasch, Patch Ecosoft CED C Pgm
ZPC Emulator	R94	Ltr- ZPC Patch for Ecosoft Compiler Update, R. Rasch
ZPC Emulator	R95	"ZPC#20", PUBLISHER, LOGICADD, MULTIPLAN, TURBO C
ZPC Emulator	R99	"ZPC#21", QuickC & QuickBASIC, FOXBASE, LOGICADD
ZPC Emulator	R100	"ZPC#22", Ltr from R. Vince re Quick DOS & PCfile
ZPC Emulator	R105	"ZPC#23", Generic CADD, FOXBASE+, Faster Monochrome Gfx
ZPC Emulator	R109	Ltr- ZPC#23, R. Ferch, Patch to speed display probs
ZPC Emulator	R109	Ltr- Speed ZPC, S. Schwartz, CHKMAX in DATA.ACM fix
ZPC Fixes	R101	"Fixes For ZPC", R. Ferch, Missing Ctrl-minus, DOD 0Ah
ZPC Hware Suprt	R75	"ZPC#5", ZHS Circuit for better PC Emulation
ZPC Hware Suprt	R77,78	Ltr- April Issue on ZPC, S. Neumann, Lotus 1-2-3 notes
ZPC Hware Suprt	R93	Ltr- ZPC Hware Suprt..., C. Horn, 8259 slow, WaitState
ZPC I/O	L22	Q&A: Reqs info on ZPC I/O ports?
ZPC KyBd Tmplt	R76	"Keyboard Template for ZPC Users", B. Weiner, PT5000
ZPC Patch	R72	"Important Notice...", P. Swayne, Patch to FIXZPC5.DAT
ZPC Patch Index	R105	"ZPC Updat Indx", P. Swayne, Patches by software title
ZPC Q&As	R117	"Q&As About Z-100s & ZPC", P. Swayne, Sound, 16Color, ClrScr, Turbo5, TSRhotkey, PCPAINT Strng Chr, AutoCAD
		"Memory Allocation Problems w/ZPC and Generic CADD"
ZPC RAM Prob	L7	ZPC vR1.00 Now Avail for use with MTR-100 v3 ROM
ZPC vR1.00	L14	Ltr- ZPC V2 Mod traps PC I/O Port calls
ZPC v2 mod	L39,40	Insert: "Scottie Brd", MB & Vid Board Mods for PC I/O
ZPC v2 Mod	L74	"ZPC vS3.0 & ZPCvB3.0", Yes, two versions
ZPC v3	CN21	

ZPC v3	L19-21	"Tale of Two ZPC's", ZPC vS3.00(Sitz) & vB3.01(Beyers)
ZPC v4	L106	"ZPC v4.0 Z-100 PC Emulator"
ZPC v4	L106,107	Insert: "ZPC v4.0 Z-100 PC Emulator"
ZPILOT	S9	ZPILOT Clarkson College's pgming language for ed
ZPLOTTER.BAS	R67	Ltr- ZPLOTTER, K. Van Wyk, ZBASIC Plotter Pgm, Z-100
ZPLOTTER.BAS	R81	"ZPLOTTER.BAS", K. Van Wyk, Updated?
ZP-150	--	PC Clone, see Z-100PC
ZP/SIM	S20	"Z-100NB" by Alison Phillips, ZP/SIM is CP/M emulator
ZP/SIM	S22	"Two Ways Z-100 Can Run CP/M in DOS" by Joseph Katz
ZP/SIM	S26	"Z-100NB" by William Locke, a CP/M simulator
ZRAM-205	R91	Ad- ZRAM-205 puts 256k chips on Z-205 RAMdisk, Z-100
ZRAM 768K	--	See Z-100 ZRAM 768k, by Tex-Matics
ZRDOS+ZCPR3	R72	"Pwr of Z-System", R. Swenton, ZCPR3+ZRDOS=ZSystem, Z89
ZROM	L2	"Exploring the ROM", The Z-100 Monitor ROM, U190
ZROM	L4	SuperQuiz - 256K chip determinaton answer
ZROM	L4	SuperQuiz - REV_MODE variable
ZROM v2.9	L4	Q: Reports of intermittant probs w/MTR-ROM v2.9 chips?
ZROM v3.0	L10	"MTR-100 Version 3.0 Released"
ZROM v3.0	L12	"Programs That Don't Like MTR-100 v3"
ZROM v3.0	L14	"ZPC vR1.00 Now Avail for use w/MTR-100 v3"
ZROM v3.0	L15	"Using the MTR-100 v3 in an ET-100" by Dwain Henderson
ZROM v3.1	CN21	"MTR-100 Monitor ROM v3.1"
ZROM v3.1	L20	"MTR-100 Monitor ROM v3.1", Features, Req'd by LLSCSI
ZROM v3.1	L20	Q&A: Does ROM v3.1 require the new BIOS? Features?
ZROM v3.1	L20	Q&A: New Boot disk won't boot?
ZROM v3.1 DEBUG	L21	"Using the MTR-100 v3.1 Debugging Commands"
ZROM v3.2	L23	MS-DOS v3.2 Progress Notes", BIOS Enhancements
ZROM v3.2	L29	"MTR-100 Monitor ROM v3.2 Update"
ZROM v4.2	L64	Insert: "MTR-ROM v4.2 TXCVR Programs", John Beyers
ZROM v4.20	L48	"First Peek at the New Z-100 Monitor ROM v4.20"
ZROM v4.21	L50	"Z-DOS and MTR-ROM v4.21", Close to final release
ZROM v4.21	L52	Ltr- Quick update on MTR-ROM v4.21
ZROM v4.21	L57	"MTR-ROM v4.21 ESCape Seqs", Able to do 24-50 lines
ZROM v4.21	L58	"MTR-ROM v4.21 is Coming!" W/Practical Examples
ZROM v4.21	L59	"MTR-ROM v4.21 CONFIG.SYS", Review
ZROM v4.21	L69	"Z-DOS v4 Features & Operation Under MTR-ROM v4"
ZROM v4.21	L64	"MTR-ROM v4.21 is Shipping!" A Review w/Pracl Examples
ZROM v4.3	L90	Important new features, changes, and fixes MTR-ROM
ZROM CharSet	L104	"H/Z-100 MTR-ROM v4.x Graphic Character Set"
ZROM ChrSet Chg	L29	"PC Double-Dot Font in Z-100 Mode", Pgm to chg Font
ZROM Debugging	L21	"MTR-100 Debugging", Break into a Pgm & single step
ZROM Font	L29	"PC Double-Dot Font in Z-100 Mode"
ZROM WildInt	L41	Ltr- MTR-ROM v3 & v4 intercepts Wild Interrupts
ZRT Comms Pgm	S13	Ltr- Add'l info and comments on ZRT
ZSTEM	S12	"Z-DOS Comms Roundup" by Frederick Zimmerman
ZSTEM	S14	Ltr- Add'l info regarding Roundup comments on ZSTEM
ZSTEM	S18	Ltr- New vers of ZSTEM will run at 8 MHz
ZSTEM Emulator	L38	Ltr- ZSTEM 3101/VT100 Emulator info
ZS100	S13	Notes- ZS100 Speedup add-on from CDR for 7.5 MHz
ZS100	S16	"Speed Up Your Z-100 50%" by Wayne Rash, 7.5 MHz
ZS100	S17	Ltr- "Price you pay for speed" response
ZS-241	--	PC-Clone, see Z-200
ZT	S12	"Z-DOS Comms Roundup" by Frederick Zimmerman
ZTERM Patch	R38	ZTERM Patches to set Baud Rate in Z-100 version
ZCM-1490 Purity	R109	BugZap- Pg63, Moving slightly causes color purity chg
ZUMI Board	L45	Zenith Univac Multiplexer Interface (The ZUMI Board)
ZVIDEO	S29	"Z-100NB" by William Locke, Z-100's ZVIDEO ctrl port
Zview	S26,27	"C Notes" by Joseph Katz, Zview screen generator
ZVM-121 Mon	S7	"Human Factors Eval of Z-110" by Richard Kane
ZVM-124 Mon	L42	Insert: "FSBulletin MON-002", Same ZVM-122/123 monitor
ZVM-134 Mon	L2	Q&A: Hughes V1 Board not working with ZVM-134
ZVM-134 Mon	S25	"Upgrading ZVM-134 to 16 Colors" by William Gochee
ZVM-135 Mon	L21	"ProColor512 Brd Review", Tim McCaffrey; w/ZVM-135 mod

ZVM-135 Repair	L42	Insert: "FSBulletin MON-004", Repair dark vert band
ZVM-13x Monitor	L120,121	Insert: "Zenith ZVM-13x Series Color Monitor", Info
ZVM-1220 Dead	R109	BugZap- Pg63, Dead, no power LED, Fuse ok
ZVM-1230 Dead	R109	BugZap- Pg63, Dead, no power LED, Fuse ok
ZVM-1240 Dead	R109	BugZap- Pg63, Dead, no power LED, Fuse ok
ZVM-1380 Dead	R114	BugZap, Pg42, ZVM-1380 dead w/RGB cable unplug or EGA
ZVM-1380 Disply	R114	BugZap, Pg42, ZVM-1380 poor display, no pncushon ctrl
ZVM-1380 Raster	R112	BugZap, Pg 63, Top 1" bends right in ZVM-1380, Chg PS
ZVM-1380 Width	R112	BugZap, Pg 63, Excess Width in ZVM-1380, Repl Txsisr
ZWAR	R53	Ad- ZWAR! strategy game, world conquest, Apogee Sftwr
ZYAC	R114	"Inexpensive Software for Z-100", G. Elder, Calculator
Z100CAT	R114	"Inexpensive Software for Z-100", G. Elder, File List
Z-DOS	--	See ZDOS
Z-FORCE Game	R52	Ad- Z-Force from Westcomp, Z-100, color, ZDOS
Z-FORTH<-ZBASIC	R56,58	"Z-FORTH: ...", R. Nelson, Converts BASIC to FORTH
Z-GRAPH-100	R78	"Z-GRAPH-100 Graphics...", P. Simmons, Review
Z-Mouse	L4	"Make Z-MOUSE Coexist w/Mouse Drivers" by Glenn Faini
Z-Screen Lib	L9	Z-Screen Library by Lindley Systems for 'C' Progrms
Z-Support Brd	L2	Q&A: Hudson & Assoc Z-Support RAM & 8087 Board Info
Z-Support RFI	L13	Request for Information: Documentation
Z-System	R72	"Pwr of Z-System", R. Swenton, ZCPR3+ZRDOS=ZSystem, Z89
Z-System	R80	"Z-System to Boot!", R. Swenton, CP/M 2.2, Z-89
Z-TOUR 1000	R67	"Look at Softwre", W. Adney, Z-TOUR by Newline Software
Z-17 Dual Ctrlr	R45	"H-17/H-37 Dual Ctrlr Mod", R. Todd, Z-89, Hard/Soft
Z-17 FORMAT	R87	Ltr- H/Z-37/17, R.Swenton, Possible CP/M Disk Formats
Z-19 Graphics	L24	"Disadvantages of H-19 Graphics", Awkward, Limited
Z-19 Spec Func	R43	"Proc H/Z-19 Special Functions...", W. Rousseau, ASM
Z-19 Spec Func	R47	Ltr- Added omitted lines to W. Rousseau Pgm
Z-25 ChipSet	R74	"Hardwre Revw of H/Z-25 Super Chipset", J. Buszkiewicz
Z-25 ChipSet	R90	"New Fina ROM...", L. Vesei, For H-25 Printer
Z-25 ESC Code	R25	Ltr- Using ESCape Codes w/H-25 printer
Z-25 Printer	S15	"Custom WordStar for DMatrix Prntr", Stephen Prigozy
Z-29	R42	"Using the H/Z-29 Terminal", P Swayne
Z-29 LowerCase	R73	Ltr- Little Added Info..., A. Fejfar, Start in lCase
Z-37	R40	"Z-37 Controller on 8" drives" for Z-89, E. Blayer
Z-37 Dual Ctrlr	R45	"H-17/H-37 Dual Ctrlr Mod", R. Todd, Z-89, Hard/Soft
Z-37 Fan	R61	"Fan for Z-37 & Z-77", H. Galicia
Z-37 FORMAT	R87	Ltr- Ref Jerome, Toscano Ltr, R.Swenton, Reqs CPM2.2.3
Z-37 FORMAT	R87	Ltr- H/Z-37/17, R.Swenton, Possible CP/M Disk Formats
Z-37 HDisk	R81	"Z-37 Magnolia CP/M 4MHz", L. Porter, Add a HDisk
Z-37 HDisk	R90	Ltr- Patch HDOS MBAS, J. Smith, Pin chg to "Z-37" art.
Z-67 Hard Drive	S11	"Z-67 Winchester: Use w/HDOS & CP/M" by Hugh Kenner
Z-77 Fan	R61	"Fan for Z-37 & Z-77", H. Galicia
Z-80 Adaptor	L25,28	Feedback: Z-80 Adaptor Replacs 8085 to run Z-80 Pgms
Z-89 BackPlate	R42	Ad- New Backplate for H/Z-89 By Kres
Z-89 Baud Rate	R50	"I/O Port Baud Rate Pgm", R. Swenton
Z-89 Baud Rate	R52	Ltr- Chgs to "I/O Port Baud Rate Pgm"
Z-89 Beep	R67	Ltr- Need help w/Z-89 weak beep, R. Speidel
Z-89 Beep	R71	Ltr- Robert Speidel Req, D. Barbee, Replace pwr Bridge
Z-89 Beep	R74	Ltr- Robert Speidel Req, E. Piche, Replace pwr Bridge
Z-89 Board	R34	Ad- General Data Services (GDS) board adds color/voice
Z-89 Brightness	S16	"Add Auto Bright Ctrl to Z-89" by Ray Albrektson
Z-89 Cassette	R76	"Use Cassette of Z-89", R. Claustra, Backup storage?
Z-89 Chars	R86	"Exorcis Demons...", F. Galloway, Strip 8th bit, C/80
Z-89 Clock	R35	"Hayes Chronograph, H-89, & CP/M", G. Hassebrock.
Z-89 Clock	R38	"Chronograph Revisited" Sets add'l Chronograph bauds
Z-89 Clock	R54	"Setting Time on Watzman HUG ROM", J. Smith, w/pgm
Z-89 Clock	R82	"Software Clock/Calendar...Pt1", R. Horner, MBASIC
Z-89 Clock	R87	"Software Clock/Cal...Pt2", Conclusion & Undoc items
Z-89 Clock	R89	Ltr- TIMARQ, D. Schueman, Dsply Dat/Tim Line25, MBASIC
Z-89 Clock	R92	Ltr- TIMARQ correction
Z-89 Clock	S14	"Let Your Z-89 W.I.S.E. Up" by James Bingham
Z-89 Clock	S27	"Build Clock/Calendar for Z-89" by Charles & Bob Horn

Z-89 Clk/Sound	S9	"Build Sound/Clock Board for Z-89" by Ray Albrektson
Z-89 Clk/Sound	S11	Ltr- Software for H/Z-89 Sound/Clock Board
Z-89 Comm	R15	H8Comm/H89Comm Modification
Z-89 Comet	R73	Ltr- Halley's Comet On H-89, P. Roberson, Graph-Pac II
Z-89 CompVideo	R32	"Video Output", W. Cohn, Composite video circuit
Z-89 ConsleStat	R43	"Console Status Program", R. Traub, Z-89
Z-89 ConsolSwap	R33	"CP/M Console Swapper", B. Ellerton
Z-89 Cooling	R37	"Venting Hot Air", B. Small, More in R#41, page 51.
Z-89 Cooling	R43,46	Ltrs- More comments on Cooling
Z-89 CRT Replmt	R46	Ltr- A New CRT for the H-89", BNF #DOA60495
Z-89 Disk Fmts	R48	"H/Z Comp Disk Drives/Formats", H. Fale, Quikdata
Z-89 Disk Opts	R32	"Expanding H-89 Disk Space..." by V. Baker, BIOS mod
Z-89 Disk Opts	R34	Ltr- Correction to "Expanding H-89 Disk Space..."
Z-89 Drive	R48	"What You Do w/One Disk Drive?", A. Gilchrist
Z-89 Drive	R12	"Cut Down Drive Run Time", B. Rosen, Timeout Period
Z-89 Drive	R17	"Who's on First?", H-77 drives MUST be ON first!
Z-89 Drive Upgd	R59	"Hardware Fairy Tale", J. Rose, CDR's Model 548-50
Z-89 Drive Upgd	R59	"Born Again H89", R. Hootman, Z-89 mods
Z-89 Drive Upgd	R73	"Add Internal Dual Disk Drive", R.K. Strum
Z-89 Drive 3.5	R98	"Add 3.5" Drives...", D. Powers
Z-89 DCtrlr Mod	R58	Ltr- H-88-1 HSec Ctrlr Mod, R. Silvestri, for softsec
Z-89 DW Ptr	R64	Ltr- H-89 & Daisy Wheel Ptr", D. Zigler, Interface bad
Z-89 8" Drive	R40	"Z-37 Controller on 8" drives" for Z-89, E. Blayer
Z-89 ESC Func	R49	"Implement ESCape Seqs for...", W. Adney, Z-100
Z-89 ESC Func	R52	Missing listings for FormFeed, W. Adney
Z-89 Extns Brd	R34	"Give H-89 a bigger bite" with Mako MH89+3, P.Swayne
Z-89 Flicker	R67	Ltr- Need help w/Z-89 flicker in Rvid, R. Speidel
Z-89 Flicker	R71	Ltr- Robert Speidel Req, D. Barbee, Replace pwr Bridge
Z-89 Flicker	R74	Ltr- Robert Speidel Req, E. Piche, Replace pwr Bridge
Z-89 Flicker	R79	Ltr- Install new BR, prob solved, R. Speidel, but not!
Z-89 Flicker	S29	"Eight-Bit World" by Walter Janowski, Fix H19 flick
Z-89 FuncKey	R28	"Special Function Keys", D. Warnick
Z-89 FuncKey	R33	Q&A- Programming Z-89 function keys in BASIC
Z-89 FuncKey	R47	"Special Function Keys", D. Warnick, MBASIC
Z-89 G-Prom	R59	Ad- New Prom gives improved grafx for Z-89/19
Z-89 G-Prom	R75	"G-PROM Review", R. K. Strum, H-89 HiRes Graphics
Z-89 Grafx	R9	H-19 & H-89 Grafx in BASIC
Z-89 Grafx	R64	"Interactive Grafx Ctrlr...", P. Ruber, Z-89
Z-89 Grafx	R73	Ltr- Interactive Grafx Ctrlr, S. Sussman, Can't Prnt!
Z-89 HDrive	R69	"Winchester For Z-89", Part 1, series by P. Ruber
Z-89 HDrive	R74,75,76	"WinZ89" Parts 2 & 3(OpSys), 4(Hardware)
Z-89 HDrive	R77,78,79	"WinZ89" P5 & 6(SuperRAM), 7(Ampro CP/M+)
Z-89 HDrive	R80	"WinZ89" P8, Ampro 186 PC-DOS Brd
Z-89 HDrive	R82	"WinZ89" P9, SigmaSoft DskSys, WD 1002-05 Ctrlr
Z-89 HDrive	R85	"WinZ89" P10, SigmaSoft Disk System
Z-89 HDrive	R87	"WinZ89" P11, Reflections and Mail Bag
Z-89 HDrive	R88	"WinZ89" P12, IBM Screen, Video RAM, FuncKey Emultion
Z-89 HDrive	S11	"Z-67 Winchester: Use w/HDOS & CP/M" by Hugh Kenner
Z-89 HDrive	S29	"Eight-Bit World" by Walter Janowski, WIN89 20Mb HD
Z-89 HDrive	S30	Ltr- WIN89 update from Micronics
Z-89 HDrive	S29	"SigmaSoft's Hard Disk...", Kenneth Patrick, 10-40mb
Z-89 HiRes Gfx	R37	Q&A- Reqs HiRes board from Cleveland Codonics in Ohio
Z-89 HiRes Gfx	R66	"Super Intel, Inexpensive Peri...", T. Stanley, Atari
Z-89 HTERM	R95	"HTERM Mod & Data Txfer", R. La Claustra, HDOS Emulator
Z-89 I/O	S38	"Poking I/O Ports of H-8 or H-89" by Rich Griffiths
Z-89 I/O Brd	R37	Ad- 2serial, 3parallel I/O, from Secured Computer Sys
Z-89 Keyboard	R42	"Simple Separate Keybrd for H/Z-89", E. Duesterhoeft
Z-89 Last Call	R69	"Blood on the CPU 1", P. Ruber, Farewell to the Z-89
Z-89 Last Call	R69	"Blood on the CPU 2", Clone Wars
Z-89 Low-Memory	S26	"4 Upgrades..." by William Clarkson, HDOS Low-Mem Kit
Z-89 Maint	S35	"Eight-Bit World" by Walter Janowski, cleaning
Z-89 MAPLE Ptch	R66	Ltr- Maple Patches, W. Parke, HDOS and CP/M, Z-89/100
Z-89 MAPLE Ptch	R67	Ltr- CP/M MAPLE Patch, W. Parke, CP/M 2.2.04

Z-89	MAPLE	R67	Ltr- March '85 Ltr..., K. Quebbeman, MAPLE & Z-89 bug
Z-89	Mem Upgrd	R39	"H/Z-89 Memory Replacement w/64K Chips", J. Ross
Z-89	MX-80	R18	Using the Epson MX-80 Printer w/H-89
Z-89	MX-80	R67	Ltr- Printer to Z-89, J. Gallagher, Only prints 7dots
Z-89	PAINT1&2	R74,75	"PAINT.ASM 1&2", S. Vagts, Z-89 GrafX Pgm, HZFONT
Z-89	PAINT3	R85	"Enhanced PAINT.ASM", S. Vagts, Adds HELP, MOVE/COPY
Z-89	PAINT4	R95	"PAINT.ASM Again?", S. Vagts, Alt Printer Routine
Z-89	Parallel	R10	"Parallel I/O for H/Z-89", B. Simmons
Z-89	Parallel	R81	"Two Parallel Interfaces...", P. Olivier, H89PIP, Z-89
Z-89	Parallel	R85	Ltr- Two Parallel..., W.K. Clarkson, Quick-P comments
Z-89	Parallel	S1	"Parallel Interface for the Z-89" by J.C. Hassall
Z-89	Parallel	S13	"Piggyback Para Port on Z-89" by Robert Shakespeare
Z-89	Parallel	S14	"Let Your H-89 W.I.S.E. Up" by James Bingham
Z-89	Peripherls	R63	"Use H-89 Peripherals with 'X' Computers", P. Ruber
Z-89	Plotter	R61	"Intrface RadShack 26-1191 Plotter...", W. Scott, HDOS
Z-89	PRESTO	--	See PRESTO
Z-89	Printer	R64	Ltr- MPI Sprint Printer had bad cable, F. Houle
Z-89	PseudoDisk	R62	Ad- SigmaSoft Superior Graphics & Pseudo Disk
Z-89	RAM	R33	"A 56K Memory Expan...H/Z-89" , L. Wittwer
Z-89	RAM	R37	Ad- 16K Memory Expan from Secured Computer Sys
Z-89	RAM	R68	Ltr- Simple Memory Expansion, C. Hatcher, DIY RAM
Z-89	RAMdrive	R73	Ltr- Auto RAMdrive Util, L. Daugherty, for CP/M & Z-89
Z-89	RAMdrive	R89	Ltr- ARAM.COM..., L. Daugherty, Simpler, CP/M & Z-89
Z-89	RAM Test	R17	"Super RAM Test for the H-89" by H. Drake
Z-89	ROM	R19	New Monitor ROM for H-89, MRTHEx and MTROCT
Z-89	ROM Tests	R64	"...H-89 Front Panel Monitor", C. Horn, ROM Tests
Z-89	RS-232	R16	"RS-232 to 20mA Current Loop Convtr...", W. Deutschman
Z-89	RTTY	R19	Ltr- Chg RTTY Pgm (885-1023) for Z-89, R. Anderson
Z-89	RTTY Mini	R71	"Mighty Mini RTTY...", R. Isenson, Radio Teletype
Z-89	RTTY Mini	R73	Ltr- Mighty Mini RTTY correction, R. Isenson
Z-89	SerPrt	R76	"Serial Ports, Part 1", D. Warnick, H-8, Z-89, Z-100PC
Z-89	SerPrt	R77	"Serial Ports, Part 2", 8250 Asyn Comm Elemt (ACE)
Z-89	Scrn Ctrl	R14	"H-19/H-89 Screen Control" by W. Rothman
Z-89	SCSI	R77	"Winchester For Z-89", Part 5, SCSI Interface
Z-89	Sound	R23	"Let There Be Sound", Bob Ellerton
Z-89	Sound	R28	"Linking Sound-89 to MBASIC", G. Duke, Z-89
Z-89	Spec Func	R43	"Proc H/Z-19 Special Functions...", W. Rousseau, ASM
Z-89	Spec Keys	R28	"Oh, Those Keys...", D. Warnick, Z-89 Special Keys
Z-89	Speech	R53	"Using Speech Synthesizer on Z-89", B. Boyd
Z-89	SpeedFix	R57	"Z-80 SpeedFix ASM Pgm...", F. Freeland, Switch Speed
Z-89	Speed Mod	R34	"Program 4 MHz Mod for H/Z-89", P. Swayne
Z-89	Speed Mod	R37	Ltr- More on H/Z-89 4MHz speedup - errs.
Z-89	Speed Mod	R38	"4 MHz Update", P. Swayne, corrections and help
Z-89	Speed Mod	R50	Ltr- Tip for CP/M Users of H/Z-89 4MHz speedup
Z-89	Speed Mod	R51	PPage- Patch DUP for 3-4MHz operation
Z-89	Speed Mod	R42	Ad- Dual Speed Module for H/Z-89 By Kres
Z-89	Speed Mod	R42	"Chg Gears in 4MHz Z-89" by Peter Shkabara
Z-89	Speed Mod	R42	Ltr- Comments on making speed changes
Z-89	Speed Mod	R42	"Plug-In 4 MHz Mod for H-89", G. Wintergerst
Z-89	Speed Mod	R61	Ltr- Speed-up & Slow-Down in PASCAL, P. Eustace
Z-89	Speed Mod	S12	"Dual Speed on Z-89" by Alan Gideon, chip changes
Z-89	Speed Mod	S19	"Z-100NB" by Alison Phillips, speedup kits reviewed
Z-89	Spinwriter	R11	"Spinwriter 5510 for the H89", B. Schmidt, Reqs jumper
Z-89	SPOOLDISK	R64	"Spooldisk89", P. Ruber, Add'l RAM for H-89
Z-89	Super...	R104	Ltr- SuperSet, SuperFont, SuperClk, M. Hunt
Z-89	SuperRAM	R17	"SuperRAM Test...", H. Drake, Z-80 Dynmc RAM test, ASM
Z-89	SuperRAM	R77,78	"Winchester For Z-89", Part 5/6, CDR SuperRAM 89 w/clk
Z-89	SuperRAM	R79	Ltr- Nice Company..., B. Gahn, Analytical Products
Z-89	SuperRAM	R82	Ltr- SuperRAM, A.P. Stumpf, Works great
Z-89	Super89	R33	Ad- Describes Super 89 CPU board by DG Electronic Dev.
Z-89	Super89	R44	"Turning ON the Super89", W. Gillespie
Z-89	TERM	R71	"Set Attributes of Console & Ptr", W. Pierpoint
Z-89	Twoet Sys	R44	Ad- Dual internal 1/2-height 48 or 96 tpi floppy sys

Z-89 TwoTermOps	--	See Two Terminal Ops
Z-89 MB Upgrade	R46	Ad- H-1000 Z80 Mainbrd Upgrade for H/Z-89, TMSI
Z-89 Upgrade	R59	"Computer Time-Saver", A. McLaughlin
Z-89 Upgrade	S26	"Four Upgrades for H-89" by William Clarkson
Z-89 Upgrade	S29	Ltr- Fix for H-89 speed mod problems
Z-89 Util Brd	R50	"...Review of H891-A Multi-Func Utility Brd, Z-89
Z-89 Wx Station	R37	"Weather Station Computer Interface", E. Wright, Z-89
Z-89 16-bit	R66	"Txport Z-89 to 16-bit World...", P. Ruber & L. Porter
Z-89 80186 CPU	R78	"...Upgrd Z-89 16bit...", P. Emerson, Slicer 256k
Z-89 80188 CPU	R73	"Another Upgrd...", P. Emerson, Slicer 256k & RAMdrv
Z-89<->MX-80	R18	"Using Epson MX-80", T. Sullivan, Connection to Z-89
Z-89<->TRS80	R68	"H-89...Interface to TRS80", V. Fritz, Z-89
Z-89-->Z-100	R47	"Trade Z-89 for Z-100?", W. Adney, worth it?
Z-89-->Z-100	R71	"PIE/Text to PeachText File Conversn", J. Ross, BASIC
Z-89<->Z-100	R53	"Which is Faster?", H. Fale, The Z-89, by 2x!
Z-89<->Z-100	R85	"Networking", F. Kent, Connect comptrs via Ser ports
Z-89<->Z-200	R108	"H-89 & Z-248 Live Togthr", F. Hutchison, Media Mstr
Z-90	--	See Z-89
Z-100 ALTCHAR	R72	"Anatomy of ALTCHAR.SYS", S. Howard, Z-100 Char Set
Z-100 AltChrSet	L105	"H/Z-100 Alternate Character Sets"
Z-100 ASCIIchrt	L104	Insert: "DEC-OCT-HEX-BIN & ASCII/Grafx Chart"
Z-100 ASM Pgmng	R48	"ASM on the Z-100...", series by D.C. Shoemaker
Z-100 Backup	L7	"Backup Strategies" (& Paul Herman pgm, BU.C)
Z-100 Backup	L49	"Hard Drive BACKUP Alternatives"
Z-100 Backup	L17	"Backup/Archive Program", PKZIP, ARJ
Z-100 BIOS	L1	Z-100 BIOS Segment Chart, w/DOS Entry Points
Z-100 BIOS	L63	"Z-100 Software Interface", from PUP Ref Guide
Z-100 Birthday	S30	"Z-100's 5th Birthday...Overviews" by William Locke
Z-100 Blink	R78	"Keep Z-100 Blinking...", M.D. Holmberg, Blink displly
Z-100 Boot	L2	"System Initialization Procedures", Z-100 Boot Process
Z-100 Boot	L115	"Z-100 Auto-Restart Prob!", Would not Boot past CONFIG
Z-100 Boot	L26	"Z-100 Boot Record", Located Sector 0 of every disk
Z-100 Boot	R110	Ltr- Solution Z-100 Boot, R. Nave
Z-100 Boot Tbl	L26	"Z-100 Boot Table", Pg4, Byte descriptions
Z-100 Boot Cmds	L9	Q&A: Z-100 Boot Commands from Secondary Ctrlr
Z-100 Breakout	--	See Breakout
Z-100 CALCULTR	R144	"...Float Point Numbrs", D. Lind, ASM CoProcsr Pgm
Z-100 CDR317	R86	"...CDR317 HD Ctrlr...", P. Swayne, Review
Z-100 Char Map	--	See Char Mapping and/or Char Set above
Z-100 Char Set	R87	"Russian...", M. Scott, Adjust Character Set, Z-100
Z-100 Clock	--	See individual Clock System: GC1000, ZCLK, etc.
Z-100 Clock	S5	Micro Widget Z1001-A prntr port, parallel port, RTC
Z-100 Clock	S17	"Build Your Z-100 Real-Time Clock" by Richard Hirsch
Z-100 Clock	S20	Ltr- Better Clock Board
Z-100 Clock	S22	"Z-100NB" by William Locke, how Z-100 keeps time
Z-100 Clock	S28	"Put New Face on H/Z-100's Clock" by Angelo Giambra
Z-100 Clock	S29	Ltr- Fix to permit clock face pgm to strike midnight
Z-100 Clock	S30	Ltr- Change for Z-BASIC's DATE function for GWBASIC
Z-100 Clock	--	See also individual clock: SmartWatch, ZCLK
Z-100 Clock Spd	--	See Z-100 Speed
Z-100 COLOR	R64	"COLOR, ScnColor Setup...", G. Roberts, ASM
Z-100 COLORGEN	R61	New- COLORGEN, 8088 colsyns tool use Interlace mode
Z-100 Comms	--	See respective Comms Pkg, e.g. JHMODEM, KERMIT
Z-100 Compatible	--	See DOS Compatible above
Z-100 Config	R75	"CF Config Util...", J. Kalis, Like CONFIGUR.COM, ASM
Z-100 Config	R81	Ltr- CF: Config Util..., T. Creek, Use Batch File
Z-100 Config	R81	"Auto Configure Feature", C. Ballinger, Batch File
Z-100 ConsolSwp	R33	"CP/M Console Swapper", B. Ellerton
Z-100 ConsolSwp	R42	Correction to CP/M Console Swap above for Z-100
Z-100 ConsolSwp	R38	"Z-100 ZDOS Swap Program", M. Aagenas, MASM
Z-100 Cost	L25	Bragging Rights: Paul Herman's Z-100 cost \$8K!
Z-100 CoverPix	R29,30	First REMark Cover Pics, June Z-120, July Z-110, 1982
Z-100 CP/M	S22	"2 Ways Z-100 Can Run CP/M Under DOS" by Joseph Katz



Z-100	Crash	S40	"Getting Attention of Loopy Z-100" by Robert Logan
Z-100	CRT-C Reg	L3	Q&A: What are std values for CRT-C Registers?, Table
Z-100	dBASE3	R101	"...Z-100 dBASE III and dBXL...", R. Tilden
Z-100	Demo Dsk	R57	Ltr- Fixn' Business GrafX, C. Kirkwood, patch
Z-100	Desktop	S20	"...Five Z-100 Desktop Utils" by David Felstul
Z-100	DIAG	L14	Q&A: Zenith's Disk-Based Diags, WinTest Inop, Z-100
Z-100	DIAG	S15	"Z-100NB" by Alison Phillips
Z-100	Diag Dsk	R62	Ad- Dyson Interrogator Drive Diags Pgm for Z-100
Z-100	DIAL.ASM	R69	"Computer Aided Dialing...", R. Hirsch
Z-100	Disk Acc	R79	"Faster Disk Access...1, P. Swayne, DOS, Z-100 & PC
Z-100	Disk Fmts	R48	"H/Z Comp Disk Drives/Formats", H. Fale, Quikdata
Z-100	DOODLER	--	See DOODLER
Z-100	Drive	--	See Z-100 FDrive, Z-100 HDisk, or Z-100 RAMdrive
Z-100	Drives	S23	"Add More 5-1/4" Drives..." by William Tavalga
Z-100	Drives	S25	Ltr- If I modify, can I keep my 8" drives?
Z-100	Dvorak	R89	"Convert Keybrd to Dvorak", G. Roberts, Z-100
Z-100	EasyPC	--	See EasyPC, a PC-Emulator for the Z-100
Z-100	Emulator	L107	"Z-100 Emulator for the PC?"
Z-100	Emulator	R60	"OpSys Emulators", P. Swayne, Run Z-100 on Z-100PC
Z-100	Emulator	S18	"Tektronix Terminal Emulation..." by Glenn Roberts
Z-100	Enable2.0	R91	"Intro Enable 2.0...", E. Zimmerman, Software Pkg
Z-100	EPROMdisk	R105	"Bootable EPROM Disk...", R. Hassard, Reqs ROM v2.9
Z-100	EPROMdisk	R106	"Bootable EPROM...", Software uses a modified MDISK
Z-100	EPROMdisk	R107	"Bootable EPROM...", Modify Boot ROM v2.9 to work
Z-100	Error	L124	"Error - Memory Parity or Buss"
Z-100	ESC Codes	L8	Q&A: Can ESCape Codes be issued from keyboard? ECHO
Z-100	ESC Func	R49	"Implement ESCape Seqs for...", W. Adney, Z-100
Z-100	ESC Func	R52	Missing listings for FormFeed, W. Adney
Z-100	Evolution	R61	Ltr- Evolution of Heath Computers, D. Shoemaker
Z-100	Fan	L125	"Z-100 Fan Replacement", Panasonic Panaflo FBP-08B12H
Z-100	FAX Modem	L25	"FAX Modem", J. Fitzpatrick, AT&T Mail (service) & US Robotics external 2400 Baud WorldPort Palmtop
Z-100	Features	R43	"Using Features of Z-100...", P. Swayne
Z-100	FDrive	L3	"Z-100 Disk Drives", Originally to be 96tpi, 720k
Z-100	FDrive	L4	Q&A: Connect HiDen ATtype 5" FDrive to 8" Z-207 Ctrlr Z-100 cannot tell diff, both are 80 track, Pinout
Z-100	FDrive	L16	Q&A: Add internal drives to Z-100. Several options
Z-100	FDrive	L22	"Floppy Drive...", Types, Jmprs, DrvSel, MotorOn, RDY
Z-100	FDrive	L25	"Z-DOS 4.01: Prelim Review", DualDens, Imaginary Drvs
Z-100	FDrive	L27	"High-Density 3.5" FDrive...", DiskPack Reqs DS=2or3 Get Teac 3.5" 1.44mb/720k drive, Model #FD235HF- <b>3201</b>
Z-100	FDrive	L29	"Use Dual-Dens Drives... Better Z-207 Mod", Barfield
Z-100	FDrive	R48	"What You Do w/One Disk Drive?", A. Gilchrist
Z-100	FDrive	R77	"Read Z-200 Disks in Z-100", P. Swayne, Format Diff
Z-100	FDrive	R79	Ltr- Help!, G. Faini, Add external drives to 8" port
Z-100	FDrive	R83	Ltr- Add 2 5-1/4" Drives..., F. Heath, Help for Faini
Z-100	FDrive	R128	"5.5MB FDrive...", G. Elwood, Kodak 5.25", 384tpi
Z-100	Font	--	See ZROM CharSet or ZROM Font
Z-100	Fractals	R124	"Fractals on H/Z-100...", R. Rasch, 'C'
Z-100	Gemini	--	See Gemini, a PC-Emulator for the Z-100
Z-100	Graphics	R52	"Computer GrafX ...", R Meyers, Vid Ctrl, Pixels, ASM
Z-100	Graphics	R53	Ltr- Corrections to "Computer GrafX", C. Rogalo
Z-100	Graphics	R66	Ltr- Graphics Layout Pgm", D. Wheeler, Prnt Gfx wrksht
Z-100	Graphics	R85	"Sines, Cosines, 2D GrafX...1", T. Vaden, ZBAS
Z-100	Graphics	R86	"Sines...2", Char & Graphical display spaces
Z-100	Grfx Chrt	L104	Insert: DEC-OCT-HEX-BIN & ASCII/GrafX Chart
Z-100	Grfx Lib	S30	"PerPASCAL" by Ben Ezzell, Z-100 Graphics Lib
Z-100	Grfx Vwr	R130	"Graphics Viewer...", G. Elder, GIF Image Format
Z-100	Graphs	R75	"Z-100 Drafting Pgm for SciGraphs", M. Chafetz, ZBASIC
Z-100	Graphs	R81	Ltr- Screen Dump..., D. Chapman, Chgs vary for LPTs
Z-100	Graphs	R122	"Graph for a Year", T. Custin, BASICA Pgm
Z-100	Guide	L16	"Beginner's Guide to the Z-100", Paul Herman
Z-100	Guide	L108	Insert: "Beginner's Guide to Z-100", S. Vagts, Updatd

Z-100 HA-108	R66	"Install HA-108 Upgrade on Old Z-100 MBrd", P. Swayne
Z-100 HA-108	R68	"8MHz 256k Upgrade", P. Swayne, More on HA-108, Z-100
Z-100 HA-108	R70	"8MHz 256k Upgrade #2", Wait State issues
Z-100 HA-108	R76	Ltr- Add'l HA-108 Upgrade Info, D. Phiefer, Reqs ROM
Z-100 Hangup	R76	"Printer Ready? Solution to Z-100 Hangup", N.B. Day
Z-100 Hangup	R78	Ltr- REMark: May 86, I. Harnage, Chg to "Printer Rdy"
Z-100 HDisk	L8	"Modify Z-217 Data Sep to Use 4 Hard Disks", J. Ward
Z-100 HDisk	L12	"Accessing Hard Disk on Z-100"
Z-100 HDisk	R62	"Implement HDisk on Z-100", W. Adney
Z-100 HDisk	R65	"More on HDisk Implement", W. Adney
Z-100 HDisk	R72	"Using MS-DOS Device Driver...", J. O'Connor
Z-100 HDisk	R90	"LeadEdge", W. Adney, HDisk SectorSize/Capacity
Z-100 HDisk	R114	"HDisks & Bernoulli...", D. Green, See Bernoulli Box
Z-100 HDisk	R121	Ltr- Try to Install HDisk, D. Setters, 123 not Printng
Z-100 HDisk	S31	"Z-100NB" by William Locke, EasyWIN review
Z-100 HDOS	R37	"HDOS for Everyone", P.Swayne, HRUN runs HDOS on Z-100
Z-100 History	L86	Summary of 20 years of Z-100 History
Z-100 HorzTab	R55	"Fav BAS Sub" Screen Dump avoids Horiz Tab Bug
Z-100 HorzTab	R57	Ltr- Still Bugged w/HT, D. Vickers, ZBASIC pgm
Z-100 Human Fac	S7	"Human Factors Eval of Z-110" by Richard Kane
Z-100 ImageAnal	R70	"Image Analysis...", L. Jarvis, Video Digitizer Board
Z-100 IDE Ctrlr	--	See IDE Controller Topics
Z-100 Interlace	L9	Quiz: Z-100 Interlaced video mode from ZBASIC
Z-100 Interlace	R59	"Interlaced Anyone", F. Clark, Z-100
Z-100 Interrupt	L63	"Z-100 Software Interface", from PUP Ref Guide
Z-100 Interrupt	L1	Z-100 Interrupt Vector Table (Under DOS)
Z-100 Intro	R29	Type Zreview.Rem, Z-100 series introduced 6/82
Z-100 Intro	S2	"New Zenith Computer Line..." by Charles Floto
Z-100 I/O	--	See ZIO-MATE above (Analog-Digital/Digital-Analog)
Z-100 KERMIT	R88	"...Guide to Kermit", V. Alfieri, File Txfer, Z-100
Z-100 Keybrd	L17	"Remapping the Z-100 Keyboard", KEYMAP pgm
Z-100 Keybrd	L27	"...Keybrd Modes"; Hard/Softwr, Eventdriven, ASCII Scan
Z-100 Keybrd	L29	"Dvorak Keyboard for the Z-100"
Z-100 Keybrd	R66,67	"Z-100 Remote Keybrd Adapter", T. Ross, 2 Parts
Z-100 Keybrd	R77	Ltr- Minor chgs to "Keyboard Adapter", T. Ross
Z-100 Keybrd	S36	"Z-100NB" by William Locke, "key-expansion" mode
Z-100 Key Klik	R50	Ltr- "Turn Off the Key Click", R. Hole
Z-100 Key Klik	R52,53	Ltr- More on "Turn Off the Key Click"
Z-100 Key Klik	R79	Ltr- Another Approach, N. Van Eck, Use DOS PROMPT
Z-100 Key Klik	R101	"Use DEBUG for Short ASM Pgms", M. Elwood, Keyclick
Z-100 Key Map	R50	Ltr- Remapping Keys & Graphics...", J. Smith
Z-100 Key Map	S27	"Z-100NB" by William Locke, chg key map, "C" pgm
Z-100 Kit	R37	"The H-100 Kit in Review", T. Jensen
Z-100 Kit	S7	"Building Heathkit's H-120" by Hurley Cook
Z-100 LCD Montr	L126	"LCD Monitor for the Z-100!", Uses GBS-8200 or 8220
Z-100 LCD Montr	L126	Insert: "GBS-8219 to VGA Converter", Charles Hett
Z-100 LCD Montr	L126	Insert: "GBS-82xx CGA to VGA Converter", Charles Hett
Z-100 LCD Montr	L126	"Mounting VGA Converter in the Z-100", Uses GBS-8200
Z-100 LifeLine	--	Newsltr for Z-100, Paul Herman, Apr89-Feb94, #30
Z-100 LifeLine	--	Newsltr for Z-100, Steven Vagts, Feb94-Pres, #128+
Z-100 LifeLine	R118	Ad- Pg18, Z-100 LifeLine Journal, Paul Herman
Z-100 Light Pen	--	See Light Pen
Z-100 Logitech	R94	Ltr- C-7 Logi Mouse, AutoCAD, & Z-100, R. Hassard
Z-100 Looks	L66	The Many Faces of the H/Z-100!!
Z-100 LOTUS	R66	"Put Color Into Lotus 1-2-3", D. Rath, Uses DEBUG
Z-100 LPT Port	R67	"Switch Z-100 Hardware Prnt Ports", W. Hall, Ser/Par
Z-100 LPT Port	R104	Ltr- "Prnt Port" reqs mod for ZDOS3.1
Z-100 MAPLE	R66	Ltr- Maple Patches, W. Parke, HDOS and CP/M, Z-89/100
Z-100 MAPLE	R67	Ltr- CP/M MAPLE Patch, W. Parke, CP/M 2.2.04
Z-100 MDISK	R62	"...MS-DOS Memory Disk", P. Swayne, Patch MDISK.DVD
Z-100 Mem Map	L1	"An Overall Picture: The Z-100 Memory Map"
Z-100 Menu Pgm	L24	"Simple Menu System for the Z-100", Batch File, box
Z-100 Model #	L5	Q&A: What do the Z-100 Model #'s mean?

Z-100 Monitor	L1	"Color Video Monitors for Z-100" by Travis Barfield
Z-100 Monitor	L25	Q&A: Z-100 Monitors? Composite, RGB CGA, MultiSync
Z-100 Monitor	R108	"LeadEdge", W. Adney, Replacing ZVM-122 Monochrome
Z-100 MBrd	L1	Q&A: What was the Motherboard (MBrd) Upgrade? RAM
Z-100 MBrd	L79	Insert: "Z-100 User Configs", MBrd DIP/Jmprs/Pinouts
Z-100 MBrd	L81	"Tale of 2 Computers", U155 Chips overly speed sensi
Z-100 MBrd DIP	L6,7	"Some S-101 MBoard DIP Switches Marked Incorrectly"
Z-100 MBrd Mod	L74	Insert: "Mother & Video Bd Mods", See ZPC V2 Mod
Z-100 MBrd Sch	L89	Insert: "H/Z-100 #85-2806 Motherboard Schematics"
Z-100 MDISK.DVD	S28	"Assemble a Memory Disk..." by John Batbie
Z-100 MDISK.DVD	S29	Ltr- Fixes MDISK.DVD bug to enable Batbie's MDISK
Z-100 MDISK.DVD	S30	Ltr- Memory problems due to 640k limit - PC limit
Z-100 Modem	S19	"Upgrade an Internal Modem...Z-100" by Charles Layman
Z-100 Mouse	R87	"Mouse & TurboPASCAL", M.D. Holmberg
Z-100 Mouse	R99	"Interfacing C-7 Mouse...", R. Hassard
Z-100 Mouse	S37	"Z-100NB" by William Locke, Paul Herman Mouse prods
Z-100 MOUSEPACK	R76	"Mouse Pack: Review", J. Furst, Z-100
Z-100 MPIDUMP	R57	Ltr- Dumping to MPI Ptr, D. Hoo, Z-100 ZBASIC vers
Z-100 MTERM	R46	"A ZDOS Modem Package...", T. Jensen, ZDOS
Z-100 MTR-100	L1	Z-100 MTR-100 Monitor ROM Data Seg, & Global Entry Pts
Z-100 MYPSC	R86	"MYPSC...", T. Riggs, Print Scrn Util for Citoh, ASM
Z-100 NEC V20	--	See NEC V20 CPU, 8088 replacement
Z-100 Network	--	See Network above
Z-100 OpCodes	R55	Ltr- Extra Z-100 Opcodes, J. Malone
Z-100 OpCodes	R62	Ltr- Add'l on Z-100 Opcodes, J. Curtis
Z-100 PAINT5&6	R119,121	"Color PAINT.ASM...", S. Vagts, For the H/Z-100!
Z-100 PASCAL	R68	"Use of Modules in PASCAL", P. Simmons
Z-100 PC Emul	--	See emulator: EasyPC, Gemini, ZPC, ZHS, ScottieBrd, etc.
Z-100 PC Ports	S28	"Z-100NB" by William Locke, EasyI/O comms board
Z-100 PERKS	--	See PERKS Desktop Utility from Paul Herman
Z-100 Printer	L11	"Pop-up Printer Utility for Z-100", Rik Gugeler
Z-100 Prt Bufr	R65	"Parallel Prtr Bufr...", M. Scott, Fm Jun'84 "Byte"
Z-100 Prt Ctrl	R49	"Simple Printr Ctrl for Z-100", C. Layman, Batch Files
Z-100 Prt Port	R67	"Switch Z-100 Hardware Prnt Ports", W. Hall, Ser/Par
Z-100 Prt Port	R104	Ltr- Mods to SETPRN.ASM, B. Pennington, ZDOS3.1 mod
Z-100 Prt Scn	R87	"Print...Screen...", B. Rothman, Z-100 (Shft-F12), ASM
Z-100 Prompt	R90	Ltr- Instal Bar..., K. Hooten, Rvid DatTim @ top scrn
Z-100 Proposed	L3	Z-100 Proposed October, 1979, First produced late 1982
Z-100 ProScan	--	See ProScan Video (Travis Barfield color board)
Z-100 Publishng	R104	"Logitech Publisher", E. Zimmerman, Dsktop Publ, Z-100
Z-100 PUP MDISK	R75	Bug in Z-DOS PUP MDISK.ASM, R. Ziegenhorn
Z-100 P-SST	--	See P-SST.
Z-100 QUATTRO P	R130	Ltr- Quattro Pro on Z-100, W. Huber, EasyPC & ZPC
Z-100 Q-PRO4	R54	"Q-PRO 4", D. Grundon, Database Management, ZDOS, Z-100
Z-100 Q-PRO4	R71	"Q-PRO 4 Revisited", S.E. Weidner, Version 3.0, Z-100
Z-100 RAM	L11	Q&A: Why upgrade from 704K to 768K RAM?
Z-100 RAM	L19	"Expand Z-100 to 768K RAM", ZMF-100a for Old MBrd, RAMPAL-100, ZRAM or Z-100-MP for New MBrd(85-2806)
Z-100 RAM	L37	New & Updated Products: Z-MAX and HA-108
Z-100 RAM	L72	Ltr- Can I add more RAM than the 768K?
Z-100 RAM	L78	Insert: "Z-100 8MHz&256K RAM Upgrade", HA-108 kit
Z-100 RAM Test	L126	"RAM Tests on Older 768k MB", Need help
Z-100 RAMdrive	R85	Ltr- Clarify, C. Kimmery, UCI RAM errs from DOS3 BIOS
Z-100 RAMdrive	R71	"Auto RAMdrive Utilities", J. Hebda, CP/M85, Z-100
Z-100 RAMdrive	R77	Ltr- H/Z-100 Inc'd Memory, B. Millis, Incr. MDISK
Z-100 RAMdrive	S12	Note- 384k, 640k, & 896k RAM card by Macrotech Int'l
Z-100 RAMdrive	S29	"Z-100NB" by William Locke, 2mb RAM drive for Z-100
Z-100 RAMdrive	S31	"Z-100NB" by William Locke, EasyRAM review
Z-100 RAMPAL	R92	Ad- RAMPAL Mem/Spd Upgrade, Software Wizardry, Z-100
Z-100 RAMUpgrd	--	For "Old" mainbrds only- see ZMF100 or ZMF100A above
Z-100 REACTOR	R64	"Meltdown Imminent", J. Rogers, ZBASIC pgm, Z-100
Z-100 Repair	L16,18	"Quick Course in Z-100 Servicing", Numerous complaints
Z-100 Repair	L110	"Z-100 w/Multiple Symptoms"

Z-100 Repair	L111	"Z-100 w/Speed Problems"
Z-100 Repair	L114	"Z-100 Motherboard Inoperative"
Z-100 Review	R29	"TYPE ZREVIEW.REM", Review of new Z-100 Series Computer
Z-100 ROM	--	Also see ZROM
Z-100 ROM	S22	"ROM Monitor Routines of Z-100/150" by William Adney
Z-100 ROM Chips	S9	Ltr- Jumpers for Z-100 ROM chips
Z-100 SCROLL	R90	"SCROLL...", G. Roberts, Scroll back display, DOS, ASM
Z-100 SETPOINT	R52	"Computer GrafX ...", R Meyers, Vid Ctrl, Pixels, ASM
Z-100 SETPOINT	R70,71	"...H-100 Time Machine1", A. Seibel, Benchmark Pgm
Z-100 SHIP	--	See SHIP
Z-100 SmartWtch	--	See SmartWatch for the Z-100 & PCs
Z-100 Software	R97	"...Software for Z-100", D. Wagner, Using ZPC Emul
Z-100 Software	R101	"Potpourri of Stuff...", W. Bok, Utilities + more
Z-100 Software	R104	Ltr- Correction to "Potpourri", W. Bok
Z-100 Software	R114	"Great Inexpensive Software for Z-100", G. Elder
Z-100 Software	S7	"Z-100 Software Roundup" by Frederick Zimmerman
Z-100 Software	S35	"Hidden Software..." by Michael Schwarz, PC pgms
Z-100 SW Intrfc	L63	"Z-100 Software Interface", from PUP Ref Guide
Z-100 Sound	L27	"Making Sounds w/Z-100", Lee Hart, Pgm 8741, U204
Z-100 Sound	R64	"Add Sound & Speech...", T. Huber, P-SST Review
Z-100 Speed	L3	"Z-100 Clock Speed", Designed by Watzman for 4.77MHz
Z-100 Speed	L4	"The Z-100 Clock Speed", both 8085 & 8088 run @ 5 MHz
Z-100 Speed	L14	"How to Determine Z-100 Clock Speed"
Z-100 Speed	L80,81	"Tale of 2 Computers", Numerous difficulties
Z-100 Speed	R61	"Speeding up the Z-100", T. Huber & J. Rogers
Z-100 Speed	R71	Ltr- DelScientific Alternatv, K. Sechler, To CDR Unit
Z-100 Speed	R63	"Speed Mods...", P. Swayne, CDR ZS100 vs HomeMade Osc
Z-100 Speed	R67	"Look at Software", W. Adney, CDR's Z100 Speed Module
Z-100 Speed	R71	Ltr- Del Scientific Alt, TZ-100 Speedup, K. Sechler
Z-100 Speed	R82	Ltr- Adney Upgrade, J. Luongo, Replace these MB chips
Z-100 Speed	R89	"...Tuning Your Software", L. Hansen, PASCAL
Z-100 Speedup	L25	"Gernware 10MHz Turbocharger Kit", Z-100
Z-100 Speedup	L35	Insert: "Upgrade 10MHz or FASTER fm 8MHz", M. Zinkow
Z-100 Speedup	L78	Insert: "Z-100 8MHz&256K RAM Upgrade", HA-108 kit
Z-100 Speedup	L78	Insert: "Z-100 Speed Up Options", Crystals vs Oscillrs
Z-100 Speedup	S18	Ltr- New version of ZSTEM will run at 8 MHz
Z-100 Speedup	S19	"Z-100NB" by Alison Phillips, speedup kits reviewed
Z-100 Speedup	S19	"Del Scientific Speeds Z-100" by Jeffrey Goldman, 7MHz
Z-100 Speed/RAM	--	For the HA-108 Upgrade, see Z-100 HA-108
Z-100 SPRINT	R118	"Run SPRINT...", B. Rylander, Borland Word Processor
Z-100 Spiral	R64	"Spiral Magic...", G. Cramblitt, PASCAL & ZBASIC Pgms
Z-100 Standard	L95	"Set a New Z-100 Standard?"
Z-100 Star Game	R54	"Shoot Stars, ZBASIC Color Game", C. Pearce, Z-100
Z-100 Support	L25	"Z-100 Support Disappearing Fast"
Z-100 Survival	R108	"Z-100 Survival Kit", series by Paul Herman, Intro
Z-100 Survival	R109	"ZSurv2", Compatibility Issue & Emulation
Z-100 Survival	R111	"ZSurv3", Writing text to the screen
Z-100 Survival	R112	"ZSurv4", Understanding Video Memory Map
Z-100 Survival	R113	"ZSurv5", Keyboard hardware & encoder
Z-100 Survival	R114	"ZSurv6", Odd ESCape sequences, vert retrace ZBASIC ESCs, ASM Txmit Page Routine & Print Screen
Z-100 Survival	R116	"ZSurv7", Cursor location, term'l ID, SETZPC
Z-100 Survival	R117	"ZSurv8", Q&As, Key Remap, Speed, Interlace, Serial Ports, Resources, Differences btwn Z-DOS2/Z-DOS3
Z-100 Survival	R119	"ZSurv9", ZPC Revisit, Patching Files
Z-100 Survival	R120	"ZSurv10", Patch Pgms for ZPC, DEBUG
Z-100 Survival	R122	"ZSurv11", Patch Pgm, ZHS, Read/WritePort, Interrupts
Z-100 Survival	R124	"ZSurv12", Q&As, HORZ_CHAR & VERT_LINE, 2Page Video, CharSet, 8" Drives, Video Addressing, ROM, Repair
Z-100 Survival	R125	"ZSurv13", I Just Bought a Z-100, Now What? For latest vers, see the Beginner's Guide online at "Z-100 LifeLine": <a href="https://z100lifeline.swvagts.com">https://z100lifeline.swvagts.com</a>
Z-100 SystemLog	R71	"System Log...", R. Hudson, IRS-Must track use, Z-100

Z-100	Tektronix	R71	"Tektronix 4010 Emu", J. Lee, Flexitek, VGRAPH
Z-100	Term Stat	S35	"Z-100NB" by William Locke, find Z-100 terminal status
Z-100	Text Slow	L24	Q&A: Text Display on Z-100 Slow? Z-100 in GrafX Mode
Z-100	Time	R70	"...H-100 Time Machine1", A. Seibel, Benchmark Pgm
Z-100	Time	R71	"...H-100 Time Machine2", A. Seibel, Done
Z-100	Time	R73	"...H-100 Time Machine3", A. Seibel, More Subroutines
Z-100	TXTPRO	R59	"...Newline's HDOS Upgrd...", P. Swayne
Z-100	Typeset	S29	"Typeset: Desktop Publishing" by John Serio, Typeline
Z-100	Uniform	S8	"Heath/Zenith Users in Uniform" by Philip Weinberg
Z-100	Upgrade	--	See Upgrade Z-100, By 'Gern', Gernware Enterprises
Z-100	Upgrade	R105	"Upgrade Kits Avail...", G. Elwood, FBE & UCI, more
Z-100	Upgrade	R140	"H/Z Useful Upgrades", H. Fale
Z-100	User Man	S3	"Z-100 User's Manual..." by Frederick Zimmerman
Z-100	Video	L3	"The Video Display", H-19 type display
Z-100	Video	L126	"Video Logic Board Repair", Vert blk bar, monochrome?
Z-100	Video	L9	Quiz: Z-100 Interlaced video mode from ZBASIC
Z-100	Video	R59	"Interlaced Anyone", F. Clark, Z-100
Z-100	Video	S26	"Z-100NB" by William Locke, Address the Z-100 screen
Z-100	Video	S27	"Z-100NB" by William Locke, interlace graphics & ED48
Z-100	Video	S29	"Z-100NB" by William Locke, Z-100's ZVIDEO ctrl port
Z-100	Video	S33	"Z-100NB" by William Locke, ProScan: higher-res video
Z-100	Video RAM	S23	"Z-100NB" by William Locke, the second page of video
Z-100	Video RAM	S24	"Probing Subconscious Memory of Z-100", Gary Cramblitt
Z-100	Video Res	R46	Ltr- Info needed on Z-100 Resolution, using Interlace
Z-100	Video Res	R59	"Interlaced Anyone", F. Clark, What it is...
Z-100	vs PC	L3	"Z-100 vs. IBM-PC", Notes
Z-100	vs PC	L24	Q&A: Text Display on Z-100 Slow? Z-100 in GrafX Mode
Z-100	vs Z-150	R63	Ltr- Which is Better?, R. Rabeler
Z-100	VirtulDsk	R110	"Z-100, BATCH Files, Virtual Disk...", R. Cavin
Z-100	V1 Video	S31	"Z-100NB" by William Locke, Hughes V1 Video Enhancemt
Z-100	V1 Video	S39	"Z-100 Displays EGA Video" by Stanley Schwartz
Z-100	v4 Hdware	L95	"Z-100 Version 4 Hardware Reqmts/Setup Sale"
Z-100	WaitState	L20	"Intel 8088 Instruction Timing", Includes test pgm
Z-100	WHIZ	R68	Ad- Whiz Mem Res Util for Z-100, Software Wizardry
Z-100	WHIZ	R74	"Put Whiz...", J. Katz, Software Wizardry WHIZ TSRutil
Z-100	WHIZ	R80	"...Dsktop Utils", H. Friedman, Genie, Informer, Z-100
Z-100	WHIZ	S20	"...Five Z-100 Desktop Utils" by David Felstul
Z-100	WHIZ	S21	"C Notes" by Joseph Katz, Genie & Whiz Z-100 pgming
Z-100	WHIZLIST	S38	"Eight-Bit World" by Walter Janowski, list database
Z-100	Wild INT	L41	Ltr- MTR-ROM v3 & v4 returns to hand prompt
Z-100	Wild INT	R96	"LeadEdge", W. Adney, Tried PC Pgm on Z-100
Z-100	Wild INT	S29	"Taming the Wild Interrupt" by Robert Logan
Z-100	Wild INT	S30	Ltr- Add interrupt number to "Wild Interrupt" pgm
Z-100	WINDOWS	--	See WINDOWS (I know of only WIN v1.0)
Z-100	Windows	R82	"LeadEdge", W. Adney
Z-100	Windows	R82	"LeadEdge", List 1, Z-100 Win Virtual Keys, pg 78
Z-100	Windows	R92	Ltr- Can't Use It..., R. Savage, Too many drives!
Z-100	Windows	R92	Ltr- Ltr R. Savage, M. Gray, HyperACCESS bug w/Windows
Z-100	WPerfect5	L3	"WordPerfect 5.0 & Z-100" by David Johanson
Z-100	WordStar	L9	"WStar Connection", Adapts WordStar v4-v6 for Z-100
Z-100	WordStar	R61	"Making Z-100 WordStar Faster", P. Swayne, patches
Z-100	WordStar	R68	"WordStar Filters", J. Smith, File Convsn w/Editors
Z-100	WordStar	R70	Ltr- Difficulty w/WS Filtrs, J. Smith, Use CONFIG.SYS
Z-100	WordStar2	R64	"Making Z-100 WordStar Faster2", P. Swayne, patches
Z-100	WordStar4	R93	"...Compare WordStar 3 & 4", P. Swayne, WS Z-100 Ptch
Z-100	WStarPro	R70	"Customizing WordStarPro...", F. Clark, Z-100 & PC
Z-100	WorkStatn	L27	"Using the Z-100 as a Dedicated Work Station"
Z-100	ZCLK	R61	"ZCLK - Calendar/Clock...", L. Wier, Review
Z-100	ZCLK	R68	Ltr- ZCLK Losing Time/Date, D. Brockman, 74LS02 bad
Z-100	ZCLK	R73	"ZCLK Update...", R. Mueller, FBE Research ZCLK module
Z-100	ZCLK	R90	Ltr- ZCLK & Emulator Brds, T. Riggs, Use 40-pin cable
Z-100	ZCLK	S20	"Z-100NB" by Alison Phillips, ZCLK clock/calendar
Z-100	ZCLK	S22	"Keep Your Z-100 Timely ... w/ZCLK" by Peter Ruber

Z-100	ZCLK	S23	Ltr- ZCLK conflicts w/Gemini & EasyPC, mods made
Z-100	ZCLK PC	L128	"ZCLK PC-DOS Software Patch"
Z-100	ZCLK Y2K	L127	"ZCLK Y2K Software Patch"
Z-100	ZCLK2	L128	"ZCLK2 Calendar/Clock Pkg", Place in 68A21, U114 socket
Z-100	ZClock	L80	Insert: "Z-100 Calendar Clks: FBE SmartWatch & ZClock"
Z-100	ZDUMP	R71	"ZDUMP, Full Scrn Disk/Mem Util", P. Franchina, Z-100
Z-100	ZORK	R111	"ZORK...", D. Gnagey, Text Adventure Game for Z-100
Z-100	ZPC Emul	--	See ZPC Emulator, a PC-Emulator for the Z-100
Z-100	ZPLOTTER	R67	Ltr- ZPLOTTER, K. Van Wyk, ZBASIC Plotter Pgm
Z-100	ZRAM 768k	R67	Ad- Z-RAM 768k RAM Kit for Z-100, by Tex-Matics
Z-100	ZRAM 768k	R76	Ltr- Problems You Might Avoid, R. Rudy, Chips to Chg
Z-100	ZRAM 768k	R78	Ltr- Install ZRAM-768k, K. Patrick, Tex-Matics, Resp.
Z-100	25th Line	S21	"How to Use PROMPT on Z-100/150" by William Adney
Z-100	64 Colors	R92	Ltr- Pgm for 64 Colors, B. McGowan, Any interest?
Z-100	96tpi FD	R76	"MS-DOS Cmd Piping...", W. Adney, 96tpi Support Z-100
Z-100	96tpi FD	R76	"Reading 48/96tpi Drives on Z-100", C.L. Robertson
Z-100	96tpi FD	R102	Ltr- Praise..., S. Jacob, Re 48/96tpi drives
Z-100	8085	S34	"Brain Transplant..." by Charles Horn, w/NSC800 chip
Z-100	8087	S21	"Speed Up Z-100/150 w/8087 Math Chip" by Alan Moffet
Z-100	8087	S28	"Z-100NB" by William Locke, UCI's Easy87 review
Z-100	8087CoPr	R73	"Benchmark 8087...", J. & N. Roach, Z-100 with AutoCad
Z-100	@ College	--	See Clarkson College above
Z-100	--> PC	CN19	Z-100 to PC Compatible: Making the Switch"
Z-100	<->GC1000	--	See GC1000 Most Accurate Clock for Interfacing
Z-100	<->Gemini	R53	"Connect Z-100 to Gemini Ptr", J. Horwitz, Z-100
Z-100	<->Z-89	R53	"Which is Faster?", H. Fale, The Z-89, by 2x!
Z-100PC		--	Includes Z-150 & Z-160 series computers
Z-100PC		R82	"PC or (Not PC)...", J. Buszkiewicz
Z-100PC		R65	"Introducing ZP-150PC", J. Frank
Z-100PC		R109	BugZap- Pg63, H-140 or Z-159 locks up during ROM test
Z-100PC		R110	BugZap- Pg31, KEYBxxx command causes Z-159 to hang
Z-100PC		R110	BugZap- Pg31, 3.5" disk drives w/o 'Chg Line' support
Z-100PC		S17	Z-158 w/o backplane for add'l cards: 5 new computers
Z-100PC		S25	Ltr- Would Z-148 PwrSup handle add'l expansion box?
Z-100PC		S29	"Z-148 Essentials for IBM Compatibility" by Wayne Rash
Z-100PC		S11	"Zenith Improves on IBM PC" by F. Zimmerman, Z-150
Z-100PC		S12	Ltr- Z-150 gets the job done
Z-100PC		S13,16	Ltr- Add'l Z-150 comments
Z-100PC		S18	"Weighing Merits of the Z-160" by Wayne Rash
Z-100PC		S27	"C Notes" by Joseph Katz, investigating H/Z-150 ROM
Z-100PC		S28	Notes- Z-159 replaces Z-158 for better PC-compat.
Z-100PC		S31	"Use Z-150's Unused Memory" by David Clark
Z-100PC		S32	"Z-150 Series" by Russell Letson, H-151 experience
Z-100PC		S33	"More on Using Z-150's Unused Mem" by David Clark, TSR
Z-100PC	CapLck	R77	"Make Your LEDs...", P. Swayne, Not reliable
Z-100PC	CGA Vid	R94	Ltr- MSWORD & FANSI-CONSOLE 2.00H Probs, R. Hawkins
Z-100PC	Color	R59	Ltr- Z-100PC Hardware Mod to Improve... (color), ZDS
Z-100PC	Color	R102	"Setting Border Colors on H/Z-158", M. McClellan
Z-100PC	Color	S38	"Control Scrn Colors...", Sidney Hack, use ANSI.SYS
Z-100PC	COLOR	R64	"COLOR, ScnColor Setup...", G. Roberts, ASM
Z-100PC	Compat	R105	"LeadEdge", W. Adney, Zenith Compatibility
Z-100PC	Config	R87	Ltr- "Auto Config", J. Hill, BASICA, GWBASIC, Batch
Z-100PC	CP/M	R76	Ad- Make Your Z-150nCP/M Compatible, Use Media Master
Z-100PC	Cursor	R81	"Non-Blinking Cursor...", P. Swayne, Not on PC clones
Z-100PC	Diags	R121	"Diagnostics for H/Z PC", R. Brenner
Z-100PC	Diags	R122	"Troubleshoot...", S. Shapiro, HDrive & Monitor ROM
Z-100PC	DiskAcc	R79	"Faster Disk Access...1, P. Swayne, DOS, Z-100 & PC
Z-100PC	DiskAcc	R82	"Faster Disk Access...2, P. Swayne, DOS, Z-100PC
Z-100PC	DiskAcc	R85	Ltr- P. Swayne Patch, B. Hall, Option: Use DEBUG
Z-100PC	DiskAcc	R87	Ltr- P. Swayne Patch, R. Fairlamb, FASTDSK time comp
Z-100PC	DOODLER	--	See DOODLER
Z-100PC	DOS3.2	R88	"Review of MS-DOS v3.2", R. Mueller
Z-100PC	DOS3.2	R130	Ltr- DOS3.2 on Z-159, C. Chatburn, Will NOT boot!

Z-100PC	EGA	R100	"EGA, Dsktop Publish, & Me", E. Pang, EGA WONDER Brd
Z-100PC	EGA Vid	R88	"Build 8MHz H-151...EGA Video Brd", R. Maskasky
Z-100PC	EGA Vid	R112	BugZap, Pg 63, How to install EGA in Z-150 or Z-160
Z-100PC	ENABLE	R106	"ENABLE, Its Shorthand Joys", D. Lirones
Z-100PC	Equas	R91	"Master Equatns...", C. Feuchter, Equation Master, PC
Z-100PC	FDrve	R98	Ltr- Add Extnl Drives to Z-151, G. Wiggins, 4 Fdrives
Z-100PC	FDrve	R106	"Three Drives in Z-148", R. Fabian, Add 3.5" FDrive
Z-100PC	FDrve	R111	"1.44 Mb MiniFloppy (3.5")...", M. VanSickle, PCs
Z-100PC	FDrve	R114	BugZap, Pg42, Install 3.5" drives on Z-157/158/159
Z-100PC	FDrve	R124	"6.6Mb FDrive...", S. Shapiro, Kodak 5.25", 384tpi
Z-100PC	FDrve	R125	"1.2Mb or 1.44Mb FDrive", R. Maskasky
Z-100PC	FDrve	R128	"Add 3.5" FDrive to H/Z-158", E. Piche, Mitsumi 720k
Z-100PC	FDrve	S34	Weltec's 1.2mb 3.5" FD install
Z-100PC	FDrve	S40	FD Ctrlr: CompatiCard & Omni-Bridge, SOTA 286i, FTM
Z-100PC	Fractal	R124	"Fractals on H/Z-100PC...", R. Rasch, 'C'
Z-100PC	FuncKey	R68	"Your Own Personal...", V. Alfieri, Func Keys PC
Z-100PC	GrafX	R67	"Graphics Tricks...", P. Swayne, Z-100PC (Z-150)
Z-100PC	GrafX	R92	"...Presentation GrafX", R. Taylor, Photo the Monitor
Z-100PC	GrafX	R103	"Improve H-151's Graphics", D. Powers, And Memory
Z-100PC	GrafX	S38	Splashy graphics, Vega & Orchid Designer VGA, FTM
Z-100PC	HDisk	R81	"LeadEdge", W. Adney, DOS HDisk Util for Z-100PC
Z-100PC	HDisk	R85	"Of Mice & Men", J. Bazhaw, Add HDisk & Menu
Z-100PC	HDisk	R90	"LeadEdge", W. Adney, HDisk ClusterSize/Capacity
Z-100PC	HDisk	R106	"HDisk for Your H/Z-148", R. Isenson
Z-100PC	HDisk	R111	Ltr- "HDisk for Your H/Z-138", R. Colton
Z-100PC	HDisk	R141	"Ext HDisk...", H. Fale, Lightek ex-Port 20Mb HDisk
Z-100PC	HDisk	S31	"Plug HD on a Card into Z-150/158" by JoAnne Benedict
Z-100PC	HDisk	S35	"Install Your Own Hard Disk" by Janet Axelson
Z-100PC	Keybrd	R109	BugZap- Pg63, H-150 keyboard locks up/phantom chars
Z-100PC	Keybrd	R110	BugZap- Pg30, H-150 keybrd produce digits w/cursor
Z-100PC	LOTUS	R66	"Put Color Into Lotus 1-2-3", D. Rath, Uses DEBUG
Z-100PC	Max12	R80	Ltr- Princeton Max12 Montr..., R. Liftig, Z-329 Brd
Z-100PC	Memory	R121	"LeadEdge", W. Adney, Memory Maps & Memory Use
Z-100PC	Mem Brd	R110	BugZap- Pg31, Differenc in EMS upgrade kits for Z-159
Z-100PC	Monitor	R127	"Use NEC MultiSync Monitor...", R. Maskasky, Z-100PC
Z-100PC	Mouse	R87	"Mouse & TurboPASCAL", M.D. Holmberg
Z-100PC	MSWORKS	R69	"MSWORKS for...", B. Gates, Briefcase ZP-150
Z-100PC	MSWORKS	R74	Ltr- ZP-150, L. Wilkins, Comments on MSWORKS memory
Z-100PC	NEC V20	--	See NEC V20 CPU, 8088 replacement
Z-100PC	NumLck	R77	"Make Your LEDs...", P. Swayne, Not reliable
Z-100PC	ParPort	R113	BugZap, Pg63, Parallel Port fails on Z-159
Z-100PC	PERKS	--	See PERKS Desktop Utility from Paul Herman
Z-100PC	PrtScn	R87	"Print...Screen...", B. Rothman, Z-100PC (Shft-PSC)
Z-100PC	RAM	R78	"More RAM...", R. Mueller, MegaRAM-150 for Z-100PCs
Z-100PC	RAM	R79	"Max Memory Mods", P. Swayne, Two memory mods
Z-100PC	RAMdisk	S23	"From FBE: 1216k RAM for Z-151" by Richard Mueller
Z-100PC	RAMdisk	S40	"FBE's Mem Enhancemt..." by Timothy Weil, MegaRAM-150
Z-100PC	RAMPAL	R92	Ad- RAMPAL Memory Upgrade, Software Wizardry, Z-100PC
Z-100PC	Reset	R63	Ltr- Hardware rest for Z-150, J. Jankura, No damage
Z-100PC	Review	R60	"Z-100PC...PC-Compatible!", M. Foster
Z-100PC	Review	R73	"Review of Heath HS-158", P. Swayne, Expandable PC
Z-100PC	ROM	S22	"ROM Monitor Routines of Z-100/150", William Adney
Z-100PC	ROM Bug	S39	"C Notes" by J.Katz, Bug in Z-151 ROM vs2.1B,2.3B,2.9
Z-100PC	SerPrt	R67	"Serial Interfacing...", R. Housh, Z-100PC
Z-100PC	SerPrt	R76	"Serial Ports, Part 1", D. Warnick, H-8, Z-89, Z-100PC
Z-100PC	SerPrt	R77	"Serial Ports, Part 2", 8250 Asyn Comm Elemt (ACE)
Z-100PC	Series	R50	"ZDS announces Z-100PC Series", G. Kabelman
Z-100PC	SixPak	R63	"Expand H/Z PC with AST Research SixPak", D. Grundon
Z-100PC	Speed	R77	"H-150 Speedup Mod", D. Bencivengo, w/circuit
Z-100PC	Speed	R83	Ltr- Ltr to Bencivengo..., D. Harley, COPY errs
Z-100PC	Speed	R86	Ltr- H-150 Speedup Mod, D. Bencivengo Response
Z-100PC	Speed	R87	Ltr- Re Bencivengo, R. Maskasky, FAST & SLOW.COM, ASM
Z-100PC	Speed	R83	"Cheap Speed...", P. Swayne, Micronics Tech w/imprvmts

Z-100PC Speed	R87	Ltr- Cheap Speed, R. Clark, Re Z-151 PwrSup Mod
Z-100PC Speed	R87	"H-150 Speedup Mod Update", D. Bencivengo, Revisited
Z-100PC Speed	R93	Ltr- Bencivengo's Accel..., L. Vesei, Need heat sinks
Z-100PC Speed	R93	Ltr- Won't Boot at Higher Speed, V.S.Ritchey, POST fix
Z-100PC Speed	R88	"Build 8MHz H-151...", R. Maskasky
Z-100PC Speed	R94	Ltr- H-150 Speedup Mod, J. Reinders, Chg to INT LED
Z-100PC Speed	R95	"Build 8MHz H-151, Update", R. Maskasky
Z-100PC Speed	R102	"Quest for Speed...", P. Swayne, 286 Express16 Card
Z-100PC Speed	R102	"Cache Memory...", P. Swayne, 286 Express16 Card
Z-100PC Speed	S36	PC Techs' Express-12 Speedup, FTM monitor & Z-449 card
Z-100PC Speed	S37	Express-12, FBE RAM, ZP640 Plus, LIM150 & MR-150T
Z-100PC Speed	S33	Speed mod, Pelican 6.6mb floppy
Z-100PC Speed	S27	"Wildfire Speeds Up Z-150/160..." by Charles Floto
Z-100PC Speed	S39	"WinWorld" by J. Richard Hines, Mach 20 Performance
Z-100PC Sprdsht	R89	"No Sheet Simple Spreadsheet...", T. Stolarz, GWBASIC
Z-100PC TAB	R59	Ltr- Inconsisty in MS-DOS V2 on Z-100-PC, R. Mueller
Z-100PC TapeDrv	R103	Ltr- Install Irwin 420 Tape Drive in ZW-148, H. Morris
Z-100PC Tech1	R61	".Debugger, Vidmodes, and Keyboard", M. Foster
Z-100PC Tech2	R62	"Debugging W/MFM-150", M. Foster
Z-100PC Tech3	R63	"Programming Video Modes", M. Foster, ASM
Z-100PC Tech4	R64	"Displaying Text...P1", M. Foster, Using ROM I/O
Z-100PC Tech5	R65	"Displaying Text...P2", More display calls, attributes
Z-100PC Tech6	R66	"GrafX Chars & Machine Types", Display own GfxChar set
Z-100PC Tecmar	R74	Hoping Others..., J. Curtsinger, Only 1 ver for Z-150
Z-100PC TRACON	R71	"TRACON - Air Traffic Ctrl Sim...", H. Krenz, Z-150
Z-100PC Trouble	--	See Z-100PC Diags
Z-100PC Tseng	R93	Ltr- It Does Work!, R. Martin, Tseng SuprEGABrd, Z-148
Z-100PC UNIX	R127	"UNIX on an 8088, Almost", J. Bazhaw
Z-100PC Upgrd	R111	"LeadEdge", W. Adney, Z-150 Upgrades
Z-100PC Upgrd	R140	"H/Z Useful Upgrades", H. Fale, Z-148/151/159/161
Z-100PC Upgrd	S17	Upgrad Z-150, 4.77/8 MHz: ZDS has Five New Computers
Z-100PC Upgrd	S38	"Put 80286 in Your Z-150" by Dale Grundon, RAMracer
Z-100PC VGA	S39	Orchid Designer VGA update, free stuff
Z-100PC Video	R82	"Undoc Features...", P. Swayne, KeyCombs, VideoModes
Z-100PC Video	R102	"Enhanced Video Card...", J. Pannon, H/Z-161 PC
Z-100PC Video	S39	"Help Z-150 Recall Screen Display" by Sidney Hack
Z-100PC WLDFIRE	R75	AD- WildFire Speedup for Z-151/161, Software Wizardry
Z-100PC WLDFIRE	R93	Ltr- Warning: Fastcard4 Not Compatible, E. Sharadin
Z-100PC WLDFIRE	S27	"Wildfire Speeds Up Z-150/160..." by Charles Floto
Z-100PC Window	R66	"Window Scrolling in BASIC on PC", P. Swayne
Z-100PC WStar	R67	"HUG-Aids", P. Swayne, Fix BSpace on Z-150 WordStar
Z-100PC WStar	R68	"WordStar Filters", J. Smith, File Convsn w/Editors
Z-100PC WStar	R70	Ltr- More on "WS Filters, J. Smith
Z-100PC WStar	R93	"...Compare WordStar 3 & 4", P. Swayne
Z-100PC WStrPro	R70	"Customizing WordStarPro...", F. Clark, Z-100 & PC
Z-100PC ZDOSv2	R63	Ltr- Improving Z-150 MS-DOSv2, F. Clark, New Software
Z-100PC 96tpiFD	R75	"Mod MS-DOS BIOS...", D. Ng, 96-tpi drive for H-160
Z-100PC 96tpiFD	R82	Ltr- Device Drvrs..., R. Bliss, "Uniform", Microsolns
Z-100PC 386/PC	R118	"Install Intel Inboard 386/PC in Z-150", D. Caranci
Z-100PC 386/PC	R126	Ltr- Re Inboard 386, D. Caranci, Mistakes & omissions
Z-100PC 8087	S21	"Speed Up Z-100/150 w/8087 Math Chip" by Alan Moffet
Z-100PC 8088	S35	Replace 8088 w/80286 or 80386 CPU, add 40mb HDrive
Z-100PC <--Z100	R60	"Op Sys Emulators", P. Swayne, ZEMulator Z-100
Z-120 Color	L127	"Color Z-120 'All-In-One'!", Done by Lee Jones! W/pix
		This extremely unique Z-120 was displayed at the
		Z-100 Get-together, Norfolk, VA, Nov 10-11, 1990
Z-205 Config	L42	Insert: "FSB Z-100-035", Z-205 RAM Card Config
Z-205 Mod	L21	"Making the Most of Your Z-205 Memory Board"
Z-205 Mod	L21	"A Megabyte on Your Z-205 Board", Up to 4Mb?
Z-205 RAM Disk	L1	Q&A: Can Z-205 Memory Board be used as RAM Disk?
Z-205 RAM Disk	L4	"Using Z-205 Card w/768K on Mainbrd", Richard Meagher
Z-205 RAM Disk	L21	"Making the Most of Your Z-205 Memory Board"
Z-205 RAM Disk	L38	"Z205 RAM Board", Configuration w/DOS v4.01



Z-205 RAM Disk	L86	Insert: "Add up to 1Mb of RAM Drive!"
Z-205 RAM Disk	L88	"Use of MDISK, VDISK, and NVDISK drivers"
Z-205 RAMLIM	L21	"Making the Most of Your Z-205 Memory Board"
Z-205 RAMrepair	L86	"Z-205 Speedup/Repair Info", TESTZ205 Pgm
Z-205 Speedup	L37	New & Updated Products: Z-205 RAM Board speedup kits
Z-205 WaitStats	L87	"Timing results of setting Wait States"
Z-207 Boot Prob	L42	Insert: "FSB DK-027", Will boot CP/M, but not DOS
Z-207 Calibrate	L98	Insert: "H/Z-207 Floppy Disk Ctrlr Repair/Alignment"
Z-207 Calibrate	L109	Correct to "H/Z-207...Cal", Prob in Alt Precomp Proc
Z-207 Calibrate	L117	Correct to "H/Z-207...Cal", Use Circuit Board
Z-207 DIP Sw	L79	Insert: "Z-100 User Configs: Z-207 Board DIP Switch"
Z-207 DIP Sw	L80,81	"Z-207 DIP Switch Setting Problems"
Z-207 FD Ctrlr	L4	Q&A: Use of HD 5-1/4" drives on 50-pin connector
Z-207 FD Ctrlr	L9,24	Q&A: How to install two Z-207 contrlr's? Switch Setting
Z-207 FD Ctrlr	L9	Q&A: Can I use both 720K & 1.4Mb Dual drive? No
Z-207 FD Ctrlr	L25	"Z-DOS 4.01: A Prelim Review", DualDensity Drive
Z-207 FD Ctrlr	L79	Insert: "Z-100 Configs", Z-207 Floppy Ctrlr DIP & Jmprs
Z-207 Mod	L13	"Modify Disk Ctrlr for Dual-Density Drives", Hughes
Z-207 Mod	L17	Q&A: 360K side of Dual-Density Drive not working?
Z-207 Mod	L25	"Z-DOS 4.01: A Prelim Review", Hughes vs Barfield
Z-207 Mod	L29	"Use Dual-Dens Drives... Better Z-207 Mod", Barfield
Z-207 Mod	L37	"Z-207 Board Throughput Mod"
Z-207 Mod	L76	Insert: "Z-207 Floppy Controller Mods"
Z-207 Mod	L79	Insert: "Z-100 Configs", Z-207 Board Throughput Mod
Z-207 Mod	L82	"Mixing 48- & 96-TPI Drives", Old hardware (Z-207) mod
Z-207 Mod	S23	"Add More 5-1/4" Drives to Z-100" by William Tavalga
Z-207 Repair	L42	Insert: "Several Field Service Bulletins"
Z-207 Repair	L62	"Z-100 Floppy Drives That Run Forever"
Z-207 Repair	L81	"Z-207 Ctrlr Bd Err causes flop drvs to run forever"
Z-207 Calibrate	L98	Insert: "H/Z-207 Floppy Disk Ctrlr Repair/Alignment"
Z-207 Speedup	L37	New & Updated Products: Z-207 Floppy Brd speedup kits
Z-207 Speedup	L81	"Z-207 Ctrlr Bd Error", Head Load Time errors, chg C48
Z-207 Speedup	L81	"Z-207 Ctrlr Bd DIAG Err", DIAG reports error @ 10MHz
Z-216 8087 Bd	S21	"Speed Up Z-100/150 w/8087 Math Chip" by Alan Moffet
Z-217 Alignment	L8	"Z-217 Data Separator Alignment"
Z-217 Boot Prob	L7	Q&A: Z-217 HD controller won't boot after warm?
Z-217 Cables	L19	Q&A: What cables are required for Z-217 drive setup?
Z-217 Doc	L19	Q&A: Where to get Z-217 technical/service documentation
Z-217 DOS v4.01	L25	"Z-DOS v4.01: A Preliminary Review"
Z-217 HD Ctrlr	L3	Q&A: What HD Interface for Z-217 Card? - MFM
Z-217 HD Ctrlr	L25	"Z-DOS 4.01: A Prelim Review", Enhanced Z-217 Support
Z-217 HD Ctrlr	L39	"Z-217 HDrive Ctrlr Update!" No 64MB limit DOSv4.01
Z-217 HD Ctrlr	L59	Ltr- Can two drives use one controller card?
Z-217 Mod	L8	"Modify Z-217 Data Sep to Use 4 Hard Disks", J. Ward
Z-319 Video	L6	Z-319 is Z-100 Video Emulator Brd for Z-150, T.Barfield
Z-419 Video	L6	Z-319 is Z-100 Video Emulator Brd for Z-240, T.Barfield

<b>Keyword</b>	<b>Issue#</b>	<b>Article</b>
3.5" Drive	R104	"...3.5" Disks & Drives", B. Eriksson, Format
4DOS Cmd Procsr	R129	"Replacmnt for COMMAND.COM", M. Wolfson, Shareware, PC
4DOS Cmd Procsr	R142	"Utility", S. Shapiro, Looking for Utilities, DOS3.3
22DISK	L122,123	"22DISK, CP/M <-> DOS Disk Interchange Utility"
50-Line Display	--	See Video - 50-Line
96tpi HardSec	R45	"...Using HardSec 96tpi Drive", D. Sandage, Z-89
512 Color	--	See ProScan above (Travis Barfield color board)
640k Barrier	R100	"LeadEdge", W. Adney, History, Ext vs Exp Memory
768k RAM	L21	"Cracking the 768k RAM Barrier", w/Z-205 RAM disk
8085	--	See Z-100 8085 above
8085 Notes	L3	"Why the 8085/8088 CPU Chips"
8085 OpCodes	R55	Ltr- Extra Z-100 Opcodes, J. Malone
8085 OpCodes	R62	Ltr- Add'l on Z-100 Opcodes
8085 Use	L27	Feedback: "Another Use for 8085", Serial port?

8087	--	See Z-100 8087 or Z-100PC 8087 above
8087 Board	L15	"8087 Numeric CoProcessor for the Z-100", Interest?
8087 Board	L47	Bits'n Bytes: Zenith Z-100 8087 card intro Dec, 1983
8087 CoProc	R61	Ltr- Experience w/8087 Numeric Proc, F. Davidoff
8087 CoProc	R73	"Benchmark 8087...", J. & N. Roach, Z-100 with AutoCad
8087 Inop	R61	Ltr- Exper w/8087, F. Davidoff, Not working w/NEC8088
8087 Kit	L16	8087 Kit Available from Quikdata Inc: UCI Easy-87, \$89. Note: I have a few of these at "Z-100 LifeLine"
8087 Options	L6	Q&A: 8087 Options in the Z-100? There were five: Zenith Z-216 Brd, which plugged in 8088 socket on Mbrd Gemini Technologies 2+2 Board mounted on Mbrd Gemini Technologies Gemini PC Emulator Board on Mbrd UCI Easy-87 which plugged into 8088 socket on Mbrd Hughes & Assoc Z-Support Board which was a S-100 board
8087 Test	R115	Q&A, Pgl1, P. Herman, Time your own pgm
8087 Z-Support	L2	Q&A: Hudson & Assoc Z-Support RAM & 8087 Board Info
8088 Chip	S2	"Intro: the Brain of the Z-Machine" by Al Dallas
8088 Chip	S16	"Critical Look at 8088" by Rick Lutowski
8088 Chip	S17	Ltr- Comments on 8088 article
8088 Defective	L107	"Defective 8088 CPU Chips"
8088 Facts	L11	"Little Known Facts About 80x86/8088 CPU", W. Lindley
8088 Notes	L3	"Why the 8085/8088 CPU Chips?"
8088 Replacemt	L38	"V20 Replacement for 8088" by Robert Hassard
8088 Timing	L20	"Intel 8088 Instruction Timing", Includes test pgm
80188CPU	R73	"Another Upgrd to H-89", P. Emerson, 256k & RAM drive
@.COM TimeSaver	R43	"The Time Saver", G. Stephenson, a SUBMIT File
@.COM TimeSaver	R44,46	Ltr- Comments on TimeSaver
.COM Pgms	R85	"Something Common About DOS & CP/M", B. Wilkinson