

ZY-1000



PC-3201



MZ-5600



MZ-3500



MZ-80A



MZ-80B



MZ-80K



MZ-800



MZ-700



PC-7200

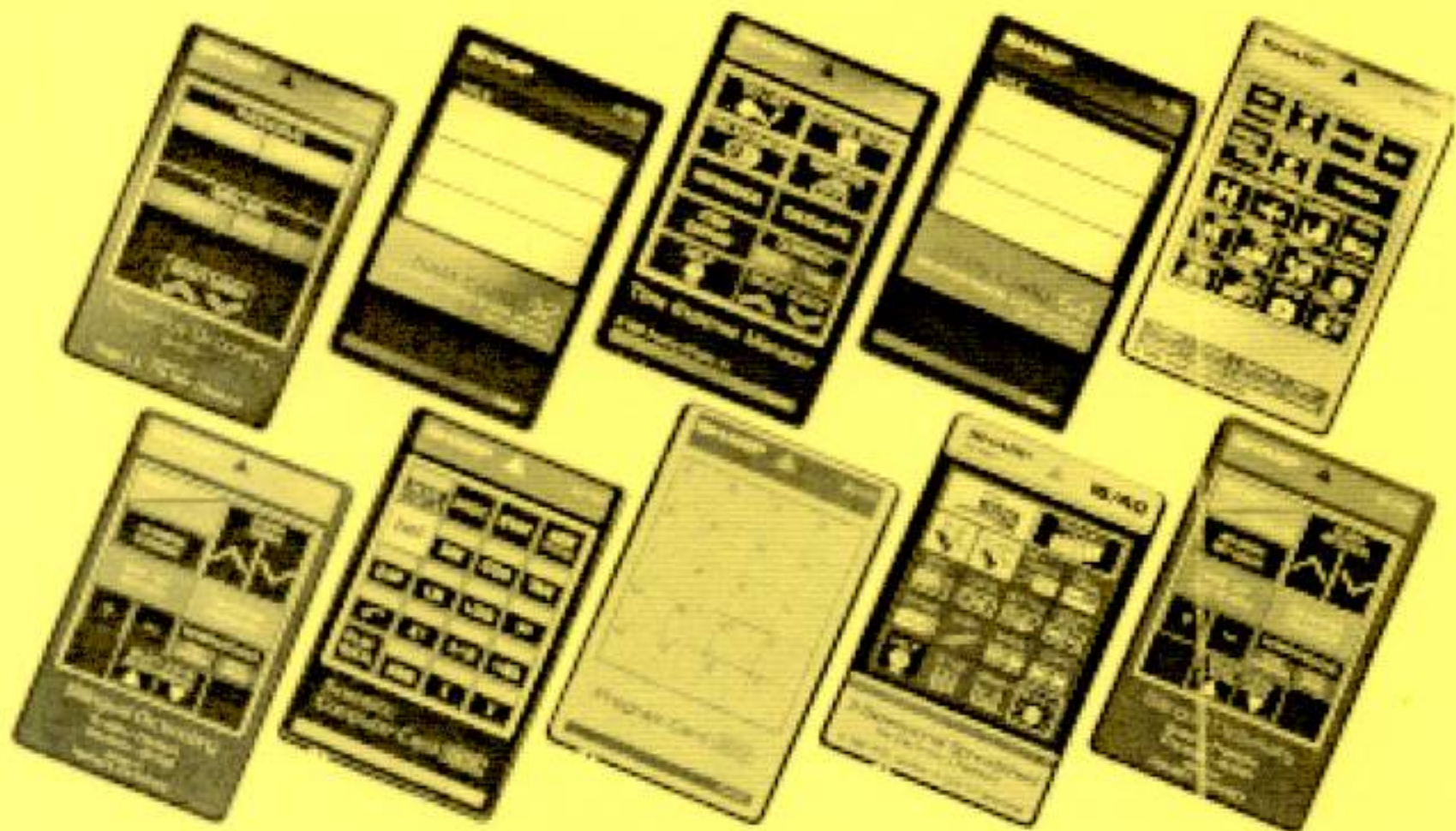


PC-3000

MARCH 2000

Volume 20

Number 1



IC CARDS: Currently 10 different ways to expand your IQ in specialist areas, from Time Expense to Language Translation.

PC-ORGANISER LINK:

A communication link between the IQ series organisers and IBM compatible desktop PCs.



IQ WALLET:

A stylish and sensible way to take care of your IQ. Now available grey wallet for IQ-8000 series.



THERMAL PRINTER:

Top quality print-outs of your IQ and ZQ-5200 data.



DATA TRANSFER LEAD:

Enables the transfer of data between IQ, ZQ and EL organisers.



BATTERY PACK IQ-8000 SERIES

“Sharp IQ-8000”
“See article by Mike Mallett
on page 36 of this issue”



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Tel/Fax:

E-mail:



8th March 2000

Well, we did reach the Millennium - but the re-subscriptions for the year 2000 are at a very disappointingly low level, and if they do not increase significantly we shall, at some point in the not too distant future, find ourselves unable to publish Magazines of the present size and quality. However, thanks to John Duxbury's prudent housekeeping, we shall publish the usual 3 Magazines this year; but after that we may be forced to reconsider the position.

That does not mean that the S.U.C. will fold up and die - we do not intend to let that happen as long as there are enough members out there to keep it going. But it does mean that the 40-odd page Magazine in stiff covers, published 3 times a year, may have to be replaced by something far less ambitious, and more economical.

With that in mind we are wondering if it would be useful to print all the current members' names, addresses, telephone numbers etc., together with details of the specific Sharp machines in which they are interested, in the next issue, so that members can all keep in touch with one another directly, whatever happens to the Magazine. Obviously, before doing this, we must have explicit permission; so the form which accompanies this issue asks you whether you would be agreeable to this suggestion, and all we ask is that you return it to John Duxbury before June 1st. You may rest assured that if you say you don't like the idea, or if we do not receive a reply, your name and address will not be included on the list.

As to the immediate future, the compilation of the Library lists for this issue took more time than I expected, and has revealed a few loose ends. These loose ends (in particular the format of 3½" CP/M disks, and the upgrading of the MZ-80K version of SUPERCOPY to the level of the MZ-80A/B/700 versions) will be tied up in the July 2000 issue. And then, to end an era, the November 2000 issue will be principally devoted to a comprehensive 'Index' to all past issues i.e. Vol. 1 to Vol.20 inclusive.

All this is really rather sad. It seems that we were overtaken by events (i.e. by the development of very powerful home computers with high-quality printers, scanners, and modems at ridiculously low prices) just when we had overcome all the drawbacks of Sharp's original Basics and their associated 'Utility' programs, and made sure that all the old MZ- machines can be fitted with 3½" disk drives employing a disk format which gives 500K user space or more - a pretty useful format, even by today's standards.

However, there are signs of increasing interest in 'Computer Museums' - if not in this country, then at least elsewhere, so perhaps our efforts will not have been in vain after all. Maybe we should swim with the tide, and try to become more international via the 'Web'. I'm only sorry to say that I don't see myself playing a leading role in any such development; my recent experiences with the Internet have not been happy, which may be because I am too old a dog to learn new tricks - or perhaps I have just chosen the wrong ISP (BT CLICK via W.H.Smith's) ???



* Vol.20 No.2 will appear in July 2000, deadline 10/6/00



MZ-80B Editor
Steve Bass
Telephone
e-mail:

Treasurer/Records Holder

Telephone
e-mail:

Hardware Consultant
John Edwards

e-mail:

Secretary
Andrew Ferguson
Telephone

Chief Editor and MZ-80K Librarian
Maurice Hawes
Telephone
e-mail:

MZ-80B Librarian
John Ibberson
Telephone

PC and Handheld Sections Editor and Librarian
Mike Mallett
Telephone
e-mail:

MZ-80A Librarian
Peter Perkins.
Telephone
e-mail:

MZ-700/800 Editor and Librarian
Paul Trainer.
Telephone
e-mail:

BACK ISSUES (POST FREE, FROM WEYMOUTH)

**** A COMPLETE RUN OF VOLUMES 2-9 INCLUSIVE** in pristine condition.
This is a once-only opportunity, offers invited !! (Vol.10 onwards could be added to make a complete set Vol.2 to date if required).

Issues available singly 'off the shelf':

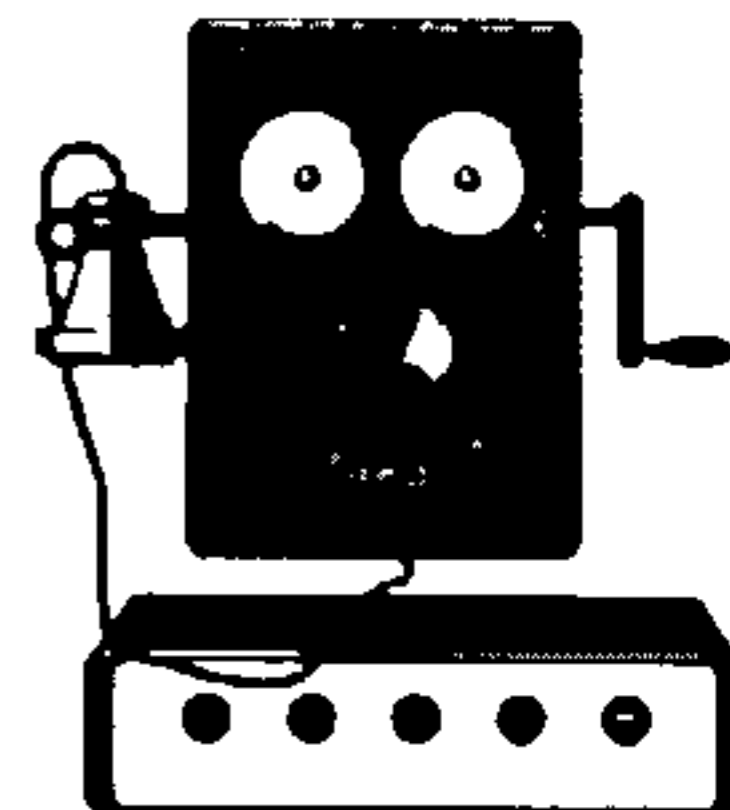
Vols. 2/1, 2/2, 3/2, 3/3, and 10/1 through to 16/1 (£1 each)
SM I (£2), SM II (£2), SM III (£2), Index to Sharpsoft Mags (£1)

Issues available to special order only:

Vol. 16/2 onwards (£2 per issue)
Index to Vols 1-16 (£2), Supplementary Index to Vols 17-18 (£1)

BACK ISSUE REPRINT SERVICE

The Einstein User Group can provide photocopy reprints of BACK ISSUES not available from Weymouth. For details, see next page.



SUC MAGAZINE - BACK ISSUES REPRINT SERVICE

By arrangement with the Einstein User Group, a reprint service is available for all SUC Magazines that are no longer available from Weymouth. PLEASE NOTE THE GREATLY REDUCED PRICES !!!!

EX STOCK

Issues 1/1, 1/2, and 1/3 (reduced to A5, in 1 volume)....£1

Issues 2/2, 3/1, 3/4, 4/1, 4/2, 4/3, 4/4,
5/1, 5/2, 5/3, 6/2, 8/1, 8/2 and 9/3 £1 each

plus £1 surcharge to cover postage and packing (on any quantity).

SPECIAL ORDER

Issues not listed above (and not available from Weymouth) can be photocopied to order at £3 per issue, including post. Orders to:

Einstein User Group
Ivy Cottage, Church Road, New Romney, Kent TN28 8TY.

When ordering, please make any cheque payable to A. E. ADAMS. If not paying for an order, please enclose a legible SAE.

ITEMS FOR SALE BY THE S.U.C.



All as on p.4 of Vol.19 No.1 - 'K' I/O Boxes with cards, P3 printers, 'K' and 'A' computers for spares, and MZ-5600 Monitors. MANY NEW SHARP BOOKS AND MANUALS; and ex-Hyundai MS-DOS4 5¼" system disks which may be re-formatted for Sharp MZ- computers. For more details contact the Chief Editor (address on page 3).

Also the IEEE 488 and DIO cards for an IBM-PC, as described on p.4 of Vol.19 No.2. For more details on these contact John Edwards in Codsall (address on page 3).

ITEMS FOR SALE PRIVATELY

*** Roy Houghton (), Rotherham) has an MZ-700 with QD Drive, cassette, and printer, plus lots of software, which must go to a good home. Any reasonable offer will be accepted.

*** Paul Trainer () has around 50 non-Sharp books on various computer subjects. Contact Paul for a complete list.

*** Jean Pierre Waraux () Fax ()
Micro ordinateurur Sharp PC1600 + Ext. Mem. CE 1600M. Printer/Plotter Sharp CE 1600P + disks, paper, cables, crayons etc. Ordinateurs de poche Sharp PC 1261, 1262 Offers to:-
Jean Pierre Waraux France.

ITEMS WANTED

*** We need a new ribbon for a Sharp MZ-1P07 Japanese printer. We believe that this ribbon, a very small cartridge with a long 'nose', was also used on a printer made in Japan by C.ITOH which was marketed in the U.K. as the RITEMAN INFORUNNER - and the U.K. part number of the ribbon is probably FN 2441. The only ribbon we have for our MZ-1P07 is now worn into holes and cannot be used, so ANY information would be gratefully received (ring).

*** Alan Ball (), Leicester) is looking for MZ-3500 add-ons, particularly the MZ-1R03/4 VRAM Expansion Card and the MZ-1R06 Memory Expansion Card; also ANY information on how to fit old style 8" drives to the external FD port on the MZ-3500.

Sharp Users Club - General Section - Millennium Give-Away

Millennium Give-Away

By the Chief Editor

During the last twelve years I have collected a huge pile of computer hardware, most of it Sharp, but some other makes as well, particularly printers. And to go with all this the hardware I have accumulated a stack of software and documentation.

There were two main reasons why I allowed my home to become the repository for all this stuff. First, I wanted an example of every early Sharp machine that I could lay my hands on at a reasonable price, so that in the event of receiving an S.O.S. I would be in a position to give help. Second, I needed a representative selection of printers, so that I could be sure that any 'Centronics' changes I made to the idiosyncratic Sharp printer routines in early Sharp software could be thoroughly tested.

I also tried to ensure that I had spare examples of the most common MZ- machines, so that in the (as it turned out unlikely) event of a machine going u/s, I had another to take its place.

I probably overdid it - Mrs Janet Hawes certainly thinks so, and with one small spare room absolutely full, and with the wardrobe in the guest bedroom full as well, not to mention my eyrie at the top of the house which is entirely devoted to computers, I must agree that she does have a valid point.

So, with cries for help becoming ever less frequent, I have concluded that the time has come to dispose of a large part of my 'backup' stock. Naturally, I do not want to put it in a skip - but if I cannot dispose of it in any other way before the end of the year 2000, that's where most of it will have to go.

I could not possibly begin to make a list in these pages - but if it's an early Sharp computer you want, I've probably got it; and I also have several spare printers, a few Sharp but also other makes, including some daisy-wheel models that cost an arm and a leg when they were new. And several Sharp twin-floppy FD units with 'doubtful' drives in them, which would provide a case and very adequate power pack for other drives.

And there are stacks of SUC 'Back Issues' from Vol.10 No.1 through to Vol.16 No.1, and other odd issues as well, all filling up a bookcase which we could use for the books that we persist in buying in second-hand bookshops out of habit, in spite of the fact that we have nowhere to put them. And on top of that there is documentation and listings for 100's of Sharp computer programs.

I am not trying to raise funds, for myself or for the SUC; so if there's anything you want, please come and get it - for free ! I would be very happy if, by the time of my 70th birthday in June 2000, I could say that all my 'spares' had gone to a good home !

Why not take a break in 'Sunny Weymouth' - there are dozens of comfortable guest houses within walking distance of 6 Belle Vue, and they only charge £16-£20 a night for bed and full English breakfast. Then come and browse, and take home a bootful of goodies to keep me happy, and save my marriage....



MZ-80K Editor and Librarian
Maurice Hawes

Tel:
Email:



MZ-80K Library List, March 2000

When the MZ-80K Library List was last published, in March 1995, the MZ-80K Library was in the capable hands of Tony Clarke, and the list he produced was divided into 2 parts, one for programs stored on tape and the other for programs stored on disk.

The logic behind this system was historic. In the early days of the MZ-80K few users had disk drives, so most of the software in the early MZ-80K Library was on tape and included several improved Tape Basics and a large number of other useful programs, many from abroad, and most of them designed for use on a tape-only machine.

A large part of this tape software has never been transferred to disk. The most obvious reason was that, for many years, all the MZ-80K programs that were available for copying tape-to-disk had so many limitations that some files could not be copied to disk at all, and others presented severe difficulties. And even after we created SUPERCOPY, there were still some files that were too big to be copied to disk, and many others that could not be RUN from disk so there was little point in copying them there anyway.

So when I took over the MZ-80K Library in July 1996 it was still in two parts, and it is still in two parts today. However, I have NOT MADE ANY CHANGES on the tape side; so the Tape Library List for March 2000 is the same as in 1995 and you can refer to it in Vol.15 No.1 (or obtain a photocopy, 3 pages, 50p inc. postage).

The Disk Library List has changed. Since 1995 we have moved to 40-track 5 1/4" disks and created improved versions of DISK BASIC, SUPERCOPY, DISASM and DISKEDIT. We have also recovered some HI-RES software that was once thought lost for ever, and sample PASCAL programs for Disk Pascal SP-6610. So Volume 7 in the 'Languages and Utilities' section (originally SP-6610 on its own) now carries the sample PASCAL programs and Tape PASCAL SP-4015; and 5 other completely new disks have recently been added to the Library:

Language/Utility Disk Vol. 22 - SUPERBASIC SP-7082/S Master Disk
Language/Utility Disk Vol. 23 - SUPERBASIC SP-7082/C Master Disk

Special Programs Disk Vol. 4 - (Slave) HiRes BASICS + KWDS progs.
Special Programs Disk Vol. 5 - (Slave) Programs by J-J. Labarthe
Special Programs Disk Vol. 6 - (Slave) Programs by J-J. Labarthe

SUPERBASIC SP-7082 is covered on pp.14-15 of Vol.17 No.3.

The Hi-Res BASICS and the programs by Jean-Jacques Labarthe are covered on pp. 23-26 of Vol.16 No.1.

The full contents of the 5 new disks above are listed on the last page of the Disk Library List that follows.

How to use the Library

First, list the software volumes you wish to order, and send me sufficient tapes or disks, plus return postage; also, if you want the optional documentation that is available for some Volumes, add the extra stamps required (shown in [] after the Volume Number).

If you use tapes, send good quality normal 'ferric' tapes not longer than C60 and pack them carefully in a padded envelope; or if you use disks, send Double-sided Double-density disks, packed between pieces of stout card in a substantial envelope (or better still, if you can find them, use proper 'disk mailers').

MZ-80K SECTION TAPE LIBRARY LIST, March 2000

This, as explained above, is exactly the same as in March 1995, and you can refer to it on pages 20-22 of Vol.15 No.1, or write to me for a photocopy, 50p inc. postage (i.e. 2 1st Class stamps).

MZ-80K SECTION DISK LIBRARY LIST, March 2000

The number in square brackets [] denotes the amount in £:p to be sent to cover documentation (over and above return postage):

BASIC GAMES (FILETYPE BTX)

Volume 1: Adventure Plus; Dogstar Adventure; White Barrows; Haunted House; House of Mystery; Adventure Game.

Volume 2 [2:00]: The Valley; Wizards Castle; Adventure (NEW); Treasure House; Cells and Serpents; Colditz; Mexican Adventure.

Volume 3 [0:30]: Magic Adventure; Cave Adventure; Transylvania; Zrymm; Devil's Triangle; Secret Kingdom; Adventureland 2.

Volume 4: Witch's Fortress; Tombs of Karnak; The Brass Helm; Dragonquest; Revenge of the Balrog.

Volume 5: Tank Battle; Demon Driver; Moonbase Alert; Star Raider; Sound Effects; Pinball; Orbit; Road Runner; Space War; Defender; Quizmaster; Road Man; Duck Shoot 2; Duck Shoot; UXB; Ghost Attack; Storm; Startrek.

Volume 6: Mah-Jong; Bridge.

Volume 7 [0:20] (ONLY RUNS IN SP-6015): Kaeon's Dungeon

Volume 8 [1:10] (ONLY RUNS IN SP-6015): Planetfall

Volume 9 [0:30] (Special 'TEXT BASIC', see Volume 3/1 for rules): Fairytale II - Complete with TEXT BASIC & loading instructions.

Volume 10: Duck Shoot; Stamp out; Jumping Balls; Othello; War; Klingon Attack; Colditz 2; Hunter and Devil; Mad Max; Vampire; Master Builder; Novnograd; Pontoon.

Volume 11 [0:40] (Two-player games)

Connect-4; Hangman; Galactic Chess; Tank Battle; Minopoly; Ludo; Mortar Attack; Snakes+Ladders; Yahtzee; Exploding Atoms; Cricket; El Alamein; Around the Horn; Gunslinger; Chomp; Critical Mass.

BASIC GAMES (FILETYPE BTX) (continued)

Volume 12: Towers of Brahma; Alligator Swamp; Blockstop; New Golf; Golf; Pro shot Golf; Air Attack; Alien; Nibblers; 3D Maze; S.S.T.; Invaders; Sharp Shooter; Bumpers; Luner Landing; Giant Slalom; Breakout; Defender.

Volume 13: Russian Gold; Salvo; Panic; Startrek; Sharp Startrek; Tornado; Monopoly v 80K; Digger; U-Boat; Battleships v 80K.

Volume 14: Cribbage; Backgammon; Tenpin Bowling; Goldminer; Trader Smith; Bouncing Ball; Fighter Command; Autocross; Football Manager; Super Spider; Moleman Mk.2; Connect-Four v 80K; Caesar's Invasion.

Volume 15: Hamurabi; World Power; Electric Co.; Whitehall; Dr. Livingstone; Nuclear Power Plant; Battle of Britain; Empire II; Executive; Lost in the Jungle.

Volume 16: Slot Machine; Musical Hangman; Railroad; Mosaic; Solitaire; L-Shape Game; Poker; Murder at the Manor; Blackjack; Maze-Monster; Airplane; Noughts and Crosses; Race-Chase; Imphex; Contract Bridge; Cyborg.

Volume 17 [0:20]: Football; Galactic Escape; Stellar Adventure; Number Adventure; Monkey Climb; Blake Seven; Mastermind v 80K; Miz-Maze; Intruder; Q-Bert; Dominoes; Balloons.

Volume 18 (see SUC Volume 3/1 for Serendipity rules): Serendipity; Black Box; Encounter; Pin-Ball; Roadrunner; Target Pong; Basketball; Squash; Alberbaron; Zombie Island; Piracy; Starmission; Rebel Attack; Swordsman; Dragon Dungeon; Camelot; Laser Defence; Cosmiad Mk.2.

Volume 19 [0:10]: Entrepreneur; Tudor Village; Oil Strike; Fall of Rome.

Volume 20: Doom Mountain 1-4; Instructions; D.M. Data and file copy pgm.; Dungeons of Death; 10 Levels of Data and file copy pgm.

Volume 21: Robot Nim; Jaws; Combat; Space Pursuit; UFO; Ski Run; Shapematch; Super Simon ;Snakes Alive; Connect 4; Boxes; Sheepdog Trial; Nightmare Pk; Life; Tarot; Biorhythm; 8 Games; Sixteen.

Volumes 25-30 require SP-6025A Special Basic (for long programs); a copy of this Basic is on each disk, plus a guide:-

Volume 25: Bloodstone Castle; B.C. Data.

Volume 26: Chessland; Quest; The Complex; Data for all 3 programs

Volume 27: As the Crow Flies; A.T.C.F. Data.

Volume 28 [0:40]: Castle Quest; Cursed Chambers; Quest.

Volume 29 [0:20]: Coup D'Etat; Election 84; World Cup Manager.

Volume 30: American War; Dark Star; Galaxy 7000.

Volume 31: Slalom; Labyrinth; Reverse; Scramble; Cribbage MOD; Animal; Fallout; Pontoon 3; Concentration.

Volume 33 [0:30]: Trains; Kaeon Dungeon

SPECIAL DISK WITH MIXED OBJ AND BTX GAMES

Volume 32: Galaxy Invaders; Race Chase; Breakout 2; FD I/O Ormas;
Backgammon 2; Space Game; Stockmarket 6; Pontoon; Fallout.

MACHINE-CODE GAMES (FILETYPE OBJ)

Volume 50: Galactican; Galaxi Form; Space Invaders; Intruders;
Breakout; Galactic Attack; Asteroids; Space Invaders 2;
Alien Attack; Escape Force 2; Pak-Man; Othello; Block Kuzushi.

Volume 51: Towering Inferno; Jintori-Game; Canyon Raider;
Fender (Osprey); Kastchei I; Cars; Scramble; Skyscraper;
Campaign 14; Defender; Minotaur's Cave.

Volume 52: Scrambler; Greedy Gremlins; Frogger (Ospray); Andromeda
Game; Star Killer; Collision Cobra; SOS Island; Space Crash;
Super Simon; Condot (Squares); Neutraliser CMP; Sky Ship.

Volume 53: Spider Invasion; Attacker; Astro War; Donkey Kong;
Bridge Rescue; Gomoku Machine; Goldspur; Batrar; Superfender;
Space Panic; Red Baron; William Tell; Lady Bug (English Version).

Volume 54: Asteroid II; Space Guerilla; Stade Retten; Centipedes;
Electron 22622; UFO Caves; Cowboy Duel; Munchies.

Volume 55 [1:00] (Chess Games):
Record; Sargon v2.71; M/C v1.6; Rel 1A; Apollo v2.0

Volume 56: Galaxia; Head-On; Obj-E; Proteous I; Galaxy Invaders 2;
Hunter Killer; Stargate Mission.

Volume 57: Pyramid of Doom; Base Zero; Antares; Atlantis II;
Flight Simulator; Sea Raider CMP; Shudo (Ludo v Computer).

Volume 58: Sharp-Man; Jungle Kong PCG; Penguin PCG

Volume 59: Monaco GP; U.F.O. Attack; U.F.O. Destroy; U.F.O.
Lander; Monster House; Monster House Data; The Word Game.

Volume 61 [0:50] (NEEDS XTAL BASIC): Xtal Disk-Loader;
Keys of Kraal; Stoneville Manor; Pontoon; Lost Dutch Gold;
Pirate Adventure; Everest MZ-80K; Treasure House; Tic-Tac-Toe;
Mosaic; Pinball; Obstacle; Card Sharp; Ghost Hunter.

SPECIAL GAMES VOLUMES 65-69: These all run under DOS v1.0; send
TWO disks when ordering (the extra one is for the DOS system):

Volume 65: Master Copier; Copy; Moris-miner; Cat-Crawl; Roadhogs;
Kemps Invaders; City-Attack; Shootout; Duck Shoot; Aliens;
Brick-Head; Space-Snake; Maze-Eater; Springy-Thingy.

Volume 66: Obliterator; Joanns Sums; Joanns Sums 2; Notepad;
Bowls/A: Bowls(D/B); Maze-Eater(HR); Griders(HR); Obliterator(HR).

Volume 67: Alpha Attack; Moon Buggy; Rope Runner; Alian Egg;
Send-1; Raid; Hunchy; Scrambler; Ravenous.

Volume 68: Xanagrams; The Word Game.

Volume 69: New Invaders; Missile Command; Ladders; Man-Hunt;
Gridbugs; Tank-Attack; Dogz; Mazog.

BUSINESS AND EDUCATION PROGRAMS

Volume 1: French Vocab: Test: Morse Translator: Recursive Anagram:
Garden Planner: Sums: Apothecary: Geomaths: Number Recognition 0-9:
Decimal Tutorial 1: Decimal Tutorial 2: Fractions Tutor: Eliza:
Monopoly Finance: Times Tables: Petrol Consumption Calculator:
Metric Conversion: Hex/Dec Converter: Pythagoras: Written Time.

Volume 2: I.Q. Test: Mway Signs Test: Calc. %: Disk Alarm Call.

Volume 3 [1:20]: Ham Radio Log: 6 Band Check Log: Morse Tutor:
Transmission Lines: QAR/QRB: R.A.E. Tutor: Antennae: NGR-Locator:
Lat/Lon-Loc: Loc-Lat/Lon: NGR to NGR Distance: Yagi Ant. Design:
HPF/LUF, MUF, HF Aurora Prediction: Cubical Quad: EME Contact:
Moon Almanac: Oscar 13: Morse Translator: Loop Antenna 1/2:
QST Loop Antenna: W.W.C.W. Rx: R.S.G.B.C.W. Rx: Coax Trap.

Volume 4 [0:10]: L.F./R.F Tuned Circuits: Capacitive XC:
Inductive XL: Bypass Capacitor: Parallel R's: Pi and T Filters:
Tuner Tracking: Tracking: Intermodulation; Transmission Lines:
Standard Resistrs: Transformer Ratio: Attenuator: Tranamp Class A:
Unbalanced Minimum Loss Pad: Attenuation: Hi-Pass Pi Filter:
Complex Add't'n: Complex Subt'n: Inductance: Meter Range Extension:
Capacitors: Ohm's Law: Transformer Design: Resistor Colour Codes:
Network 1 and 2: Resonance; Turns/Inductance: Coil/turns/SWG

Volume 5: CW-Decoder (ML): CW-Trainer: MZ80-RTTY: QSO SEIRI:
RTTY-Barth: 6 Band Check Log: Transceiver: Antennae: Capacitors:
CW 5 GRUPPEN: CW-Decoder: Frequences: Ham File: Kbd Morse: Morse:
Morse G4ECB/G8VHB: Morse Tutor: QRA Locator: R.A.E. Formulae.

Volume 6: Dispensolabel: Phone Charges (outdated): Sound Effects.

Volume 7 [0:70]: Sharp Inventory Control Program: Hucalc 80K+/:S:
Hucalc 80K+/M (Both Hucalc programs save to tape only.)

Volume 8 (Runs under SDOS v1.0): KUMA WDPRO v2.25: Copy: Init:
WDPRO%M: WDPRO: WP225J: 3 sample letters: SDOS INSTRUCTIONS

Volume 9 (Tape-based Programs) [5:00]: APOLLO WORD v1.9:
WDPRO/K : WORDPOWER: DATAPOWER.

Volume 10 (Tape-based Programs) [1:30]: APOLLO WORD v2.3:
Sharp Pencil K1: Sharp Pencil.KLF: DATABANK: DATABANK PLUS:
Mailing List K1: Reportwriter: Letterwriter.

Volume 11 (SP-7011) [0:30]: Home Accounts: Set up DATA.

Volume 12: Pools Generator: Perms 1, 2 and 3: Perms-Total:
Sun Plan 40 v7: Pools Plan 40 v7.

Volume 13: Stock Control: setup DATA: Report Generator: Graph TX: Report TX:
DSPTO ?+F: Tabulation TX: Regression Line: Regression
Curve: Histogram TX: Inventory Control: Inventory & Statements:
Screen Dump: Home Accounts: Home Budget.

Volume 14 (DOS v1.00): DOS system (#0,#1,#2,#3,#4, Copy, List):
Wordpower: Datapower: M-Disc Copier

LANGUAGES AND UTILITIES

Volume 1: SP-7011 Belgian 'Soft Basic' with AUTO RUN and PRINT @,
and original Sharp printer driver: 7011 Instructions (English).

Volume 2 [2:50]: C.P.E. 6015 Disk Basic incorporating Disk Basic
Plus and High Res EP (Prints Sharp Graphics on Epson printers).

Volume 3: SP-7011 Belgian 'Soft Basic' (Drives Epson Printers but
no graphics): 7011 Instructions: Master Disk Copy: Any Sort DE:
Data File EDC: Address Book (Record/Sort/Print Names/Addresses).

Volume 4 (QDOS) [4:20]: Saveall-Disk to CMT: Disk Utilities v2.0;
Master Copy: Saveall CMT to Disk: Master Boot:FD to CMT:CMT to FD:
Change Vol. No.: Object DOS: QDOS SP-6015: Supertape 2: QDOS DIWO:
Basic Compiler: SP-5025: Disk Commander: S-Diskette Init:
Diskedit.K4: SP-6015 to CMT: DIWO Print/Sharp: DIWO Print/Epson

Volume 5 (QDOS): Boot Slave: FD-Copy (For A & B): FD-Copy:
Init'lise Disk: DSK TAP: TAP DSK: '\$' Makes Master: DBasic MX-80:
Disk Init: Diskcopy: Mastercopy: Disk-Disk (1 file at a time):
Disque: Disk Util. 01: Master Boot: ASM LBT 2001/E: Crowood Floppy

Volume 6: SP-6015+AUTO RUN: 1- Drive Copy: Tr/Sec Calculator:
Load Plus: Change Volume Number: Saveall Disk to CMT: Saveall CMT
to Disk: Single Program Disk to CMT: Single Program CMT to Disk:
Hex/Dec Convert: Drv. 1 to Drv. 2 Mastercopy (Basic).

Volume 7 [0:60]: Disk Pascal SP-6610; Tape Pascal SP-4015;
Sample Program; Eight Queens; Calendar; Magic Square.

Volume 8: S-DOM Disk Operating System.

Volume 9: MZ-80K F-DOS Sharp Floppy Disk Operating System.

Volume 10: HU-Basic: HU-Basic v1.4 note: SP-HU Convertor: ED-ASS:
Club Mon v5.24: Type v1.9.

Volume 11: S-Diskette Init: Diskette Copy: Cassette to Disk:
Disk to Cassette: Master Disk Copy: Expert Machine Code:
Probe B600: B880 MASTER.

Volume 12 (QDOS): DIWO/Print (Epson and Sharp): QDOS-SP-6015:
M-Disk Copy: Initialise Disk: QDOS DIWO (M/C): Single File Copy.

Volume 13: SP-6015: Superdisk 1D & 2D (Copies any MZ 80K disk,
using single or double drives, no pre-formatting needed).

Volume 14: ORMAS Disk Basic

Volume 15: DOS v1.0 with Express Basic.

Volume 16: SP-6015: S-Diskette init: Filing-CMT: Disk Copy v2.0:
Basic SP-5025: Prologe: Fashion: Clock: Take-down Game:
Diskedit.K4: Disk-Util 01: 6015 Centronics: Auto Run.

Volume 17: 6015/ARDENSFT/P3: 6015/ARDENSFT/EP: S-Diskette Init:
Disk Util V2.0: Master Boot.

Volume 18 [0:10]: SP-5060 Ep: CPE Basic Ep: HI-RES 5025 Ep:
HUDSON 24K Basic: 5025+COMMANDER: Basic SP-5060VM: Basic 5510.

LANGUAGES AND UTILITIES

Volume 19: DAVID Basic-C: Basic 5025: AVALON ZEN: * ZEN Toolkit *:
DR.1 to DR.2 Master Copy.

Volume 20 (DOS): ZEN-DOS Data

Volume 21 [1:50]: S-Diskette Init: Filing-CMT: Diskette Copy:
SP-5025: Basic T: DISASM BA00: Disk Commander: Disk Toolpak:
Copy: Pirate 2: Super SP-5025: SP-5060S: SP-5074: Screen Print.

Volume 22 (NEW): SUC 40-Track SP-6082/S Master Disk, plus:
AUTO RUN; SP-7082 MANUAL; BASIC.HELP.7082; SUCOPY 6.7K/35T;
SUCOPY 7.1K/40T; SUPERCAT 6.7K; DISASM 8800.K15; DISASM B800.K15
DISKEDIT.K7/40T; SHARP PENCIL.K1; Z80 MACHINE.K2/S;
Z80-A200.K2/S; WDPRO 2.37KT; CLUB MON.K3/S; SUPERTAPE 2

Volume 23 (NEW): SUC 40-track SP-6082/C Master Disk, plus the same
files as on 22 above, modified if necessary for an ASCII printer.

IMPORTANT NOTE RE DISKS 22 and 23 ABOVE

We recently discovered that some commands in SUCOPY 7.1K/40T contain a minor 'bug'; therefore, that program should ONLY be used to format/copy 40-track disks. To format/copy 35-track disks, and to perform all other SUPERCOPY operations, use SUCOPY 6.7K/35T.

We intend to rectified this 'bug' a.s.a.p., and at the same time upgrade SUPERCOPY so that it can format and copy either 35 or 40 tracks, on request. The separate 35T and 40T versions will then be deleted off both the above disks and replaced by the upgraded version, which will be called SUCOPY A000.K16.

SPECIAL PROGRAMS FOR HI-RES and JOYSTICKS

Volume 1 (HI-RES): Asteroid war PCG: CG Rally 'X': Imperium PCG:
Lander PCG: Scramjet PCG: Super Alien PCG: Tomahawk PCG:
Towering Mouse PCG

Volume 2 (HI-RES): Batrer PCG: Galaxian PCG: Hal Demo PCG:
Jungle Kong PCG: Penguin PCG: Schach PCG: Star Fire PCG: Warp 1.

Volume 3 (JOY-STICKS): Road Hog: Micro Doodle: Grand Prix:
Nibblers: Fallout: Astrododge: Galactic Escape: Laser Defence:
Digger: Frogger: Indy 5000: Bumpers: Nun Runner: Mad Max:
Gate Crasher: Blitz H: Sharpshooter: Defender: Tilt: Puckman.

Volume 4 (NEW) Hi-Res BASICS: GRAPHICS BASIC 4; BASIC HIRES:
3D BASIC (MAX); 3D BASIC (MIN); BASIC*; (plus KEYWORDS programs
for all these Basics, to a P3 printer or to the VDU).

Volume 5 (NEW) J-J. Labarthe Programs: ASM LBT 2001; "1"; "2"; EXTRACTEUR;
DESASSEMBLEUR*; LABEL; CALL; MODE; EXTRAIT 001;
EXTRAIT 002; BADTAPE; SARGON 2.6; SCRABBLE/N 001; BADTAPE/N 001;
DUPLB; DUPLICATE/SR; "/M".

Volume 6 (NEW) J-J. Labarthe Programs: PARTIES1; PARTIES2;
BAD TAPE; FORTH; MAGNETO CO; TESTFORTH; DRAW*; MAGNETO CO 2.1.

*** END OF MZ-80K LIBRARY LIST, MARCH 2000 ***

MZ-80B Librarian
John Ibberson

Tel.



Hi there, members of the 'B' section! Well, we are in the 21st century and our Sharp machines still keep on working, so what's new? In short, not a lot! After 20 years, every conceivable 'Mod' and 'Tweek' has either been written-up and is in use, or has been dropped into the waste bin of ideas which sounded good at the time but were found lacking on application. But there is one item worthy of mention, and it's to do with 'B' Basics on 3½" disks.

Do I hear cries of 'I don't have 3½" disks!'? Well, you may not have them now, but conversion instructions have already been set out in these pages, and with 5¼" disks no longer being manufactured I can only suggest that its about time that you got out the soldering iron and had a go!

Our 3½" disks have 80 tracks per side (more than 500KB storage space) and 96 directory entries (nudge, nudge!). We can supply All the important MZ-80B Basics - SB-6585/S, SB-6585/C2, SB-6511/S and SB-6610 - in this 3½" format, but up to now it has been necessary to provide a SEPARATE master disk for each Basic. I have long been unhappy with this state of affairs, and decided to do something about it. Accordingly, I designed a disk with all 4 Basics stored on tracks 127 and higher, plus a 'Basic' program that allows the user to select ONE of these Basics as his/her preferred or 'default' Basic at boot-up. What happens is really very simple:-

At boot-up the IPL loads Robin Hill's routine off Tr0 Sctr2, and Robin's routine then loads Basic from a pre-defined 'high-track' address. So by altering the pre-defined 'high-track' address in Robin's program you can set any 1 of 4 Basics as your 'default'.

On the disk there is a Basic program called 'CHANGE BASIC?'; this first detects which Basic is currently in use, and then modifies itself as necessary to call the READ/WRITE routines of that Basic and use them to read the appropriate sector of Robin's routine off the disk. A list of available Basics is then displayed, the user is asked to select one, and its 'High-Track' address is then poked into the sector of Robin's routine in memory and that sector is written back to disk. Then, when the disk is next booted, it will automatically load the newly-selected version of SB-Basic.

Having got this far I then discovered a problem with the AUTO RUN facility, because the AUTO RUN program for SB-6585 contains statements that are illegal in SB-6511 and SB-6610. I therefore set up Basic SB-6511 to look for 'AUTORUN', SB-6610 to look for 'AUTORUN', and left SB-6585 as it was, i.e. still looking for 'AUTO RUN'. I then wrote 3 different auto-run programs and gave them these 3 different names, so that the Basic you select as 'default' will run the correct auto-run program at boot-up.

This new 3½" Multi-Basic Master Disk is now in the 'B' Library as '3½" DISK 01' (see March 2000 Library List on the following pages). The 'CHANGE BASIC?' program may be used as often as you wish, with the proviso that you must re-boot the disk to make the change effective (the program forces you to do that anyway).

THE MZ-80B LIBRARY FOR 2000

Virtually all MZ-80B Library programs are now stored on disk for convenience and speed of access. Most programs CAN be supplied on tape, but those which are written for disk-based systems will not run on a tape-only system. Contact the Librarian if in doubt.

Tape copying takes a long time, so tape requests may take a few days. Disk copying can be done quickly, and I would hope to return your disk(s) in 2-3 days. PLEASE REMEMBER to state which programs you need, and DON'T FORGET the RETURN ADDRESS LABEL and RETURN POSTAGE. When sending DISKS, pack them between bits of STIFF CARD or even HARDBOARD, or use proper DISK MAILERS if you can get them.

A few programs, listed below, are meant to be loaded from tape. These programs are supplied on tape unless otherwise requested.

Programs which are normally supplied on tape

SB-5510 (Sharp's ORIGINAL Tape Basic for the MZ-80B)
SUPERTAPE 2BMKA7 (Copy 80K/A/700 tapes on the B; see 13/2 p.35)
DSPRZBM(U) (Disassemble, Search, Zero memory; see 5/1 p.45)
RAMB(U) (Renumber, Append, Merge tape progs.; see 5/1 p.45)

***** THE MZ-80B LIBRARY, MARCH 2000, ON DISKS *****

BASIC DISK 1

ALARM	BATTLE OF BRITAIN	'B' CHARACTERS
BOUNCING BALL	CALENDAR	DAY OF A DATE
DAYS 'TWEEN 2 DATES	DECBINHEX	DSCNTD CASH FLOW
DOG STAR VENTURE	E.S.P	EASTER DAY
EASTER DAYS	FACTORISATION	FIBONACCI
FOOTBALL FORECAST	FRENCH VOCAB	GARDEN PLANNER-1
GOLF	GREETINGS	HANGMAN
LUNAR LANDER	MORSE CODE	MORSE
MORSE TUTOR	MUGWUMP	MUSIC BOX
NEXT TO LAST 1	PARLIAMENT	POLYNOMIAL
PERSONALYSIS	PROFIT MARGINS	RAFFLE DRAW
READING TEST	RECTANGLE DEMO	SELF PORTRAIT
SENTENCES	STOCKMARKET	STOCKTAKING
SUSAN'S 3 IN 1 CLOCK	THE CLOCK	TIME OF DEATH
T'PHONE CHARGES	WHITEHALL	WORLD CUP
WORLD CUP SOCCER	WORLD POWER	

BASIC DISK 2

5-PIN BOWLING	BENCH MARKS	BIO CHART
BOMBER PILOT	'B' PATIENCE	BRIDGE
BUMPERS	CASTLE QUEST	CHORD FINDER
CHOMP	CONNECT 5	CRAPPING DICE
GOLF1	GRAPH1 DEMO	GRAPH2 DEMO
GRAPH3 DEMO	GRAPH4 DEMO	GRAPH5 DEMO
GRAPH6 DEMO	GRAPH7 DEMO	GRAPH8 DEMO
GREEK QUIZ	HANGMAN 1	HEX-PAWN GAME
LETTER SLIDE	MZ-80B MASTERMIND	OBSTACLES
OP-AMP DESIGN	P6 LINE SPACER	PICK A NUMBER
PLANETS	SCOT TUNES	SOLGOR
SOLITAIRE	TIC-TAC-TOE	

BASIC DISK 3

3D FIG
 GRAPH-DISC
 MACHINE DRAWING
 MC/4
 ROTATE
 SYMBOLS

BACKWARDS
 GRAPHSAVE
 MAP1
 MOULD
 SHARPFONT
 WORLD

GOTO 12000
 HAT
 MAP2
 READFONT
 SQUARES

BASIC DISK 4

BASECONV.OBJ
 BLACKBOX
 CITYBOLD.23T
 FRUIT MACHINE
 INTRO
 M.CODE REPEAT
 PATTERN EDITOR
 SHAPELAB.M/C
 SIMPLETYPE.23T
 STRINGSORT.OBJ
 TALKPROG
 WALL/HI-RES

BASECONV.BAS
 BODYSANS.14T
 DEMOTEXT.PS
 GRAPH/DISK
 JOBDATA
 NEWJOB
 POKE REPEAT
 SHAPEMAKER
 SOUND F X 1
 STRINGSORT.DOC
 TESTSORT.BAS
 WALL/LO-RES

BASIC KEYREPEAT
 CHAR-GRAPH
 ERROR MESSGS
 HELP
 MAZE
 NUMBERLOADER
 SET QUIZ
 SHAPENUMBERS.PAT
 SOUND F X 2
 SYMBOLS.PAT
 TYPEWRITER.PS
 ZRYMM

BASIC DISK 5

A2
 ALLERGY DIAGNOSIS
 B>K CONVERTER
 CLS SB-6510
 HAUNTED HOUSE
 LIFEPLUS
 ONE-ARM-BANDIT
 POLLEN CHARTS
 SCRNS\$ SB-6510
 TITLE TEST
 WORDPRO/T

A3
 APOLLO CHESS.Bv2
 CASE3
 CLS SB-6511
 HISTOGRAMMER-F
 LIFEPLUS CODE
 P.C.D. DRILLING
 PONTOON
 SPACE ODYSSEY
 TITLETEST5

ADDRESS LABEL
 BARCHART PRINTER
 CLS SB-5510
 CLS SB-6610
 HUCALC 80B+
 MAH JONG.B1
 PLANE GAME
 SCRNS\$ SB-5510
 TAPE DIRECTORY
 WORDPRO/D

BASIC DISK 6

B-DIAGNOSTICS
 DISK TEST
 HAM RADIO 3
 MAP2
 P4 TEST
 TRACK SELECT

DISPLAY SET
 DSKCHK
 JUMP \$1173
 MOTOR TEST
 P5/P6 TEST
 K>B CONVERTER

DISPLAY TEST
 EPROM PROG
 MAP
 OUTPUT>EPROM
 START/STOP TEST

BASIC DISK 7

AUTO-REPEAT
 E000-CHARACTERS

CHARSETS
 ORIG.IPL \$F000

DISK NURSE

BASIC DISK 8

CLOCKDATA
 DROWNING
 PROG' FILENAME

DRAW
 INT CALC
 TRANS.SWAP DAT

DRAWING SYSTEM
 NEWDRAW

BASIC DISK 9

80K CODES	80K SYMBOLS	BEEP
BEEP2	BREAK I/O	ASCII SORT
BTX PROTECT	BUBBLE SORT	CMT CONTROL
CRSR SPEED	CRSR CHAR	EPSON LN CONTROL
FUNCTIONS	GET REPEAT	G-RAM>FD XFER
IEE-488 DRIVER	KEYBRD DIN	KEYBRD FRA
KEYBRD MOD	KEYBRD TEST	LINE SPACE EPSON
LPT ESCAPE	ON ERR GOTO	MUSIC EDITOR
P5/P6 CONTROL	PEEK G-RAM	PEEK VDU
PEEK VDU-2	POKE G-RAM	POKE VDU
POKE VDU-2	PROG COMMAND	PGM DIR
RAM+ 255B	REPEAT CURSOR	RESET F1-F10
RS232C DRIVER	RS232C I/F TEST	RS232C M/C
RS232C MODEM	SHELL SORT	SHELL-M SORT
SPEAKER TEST	TAPE>SPEAKER	STONE GENRTR
TRANSFER GRAPH	TRANSFER OBJ>FD	TRANSFER BSD
VDU I/O	Z80-DATA CONVERT	CODES TO PTRINTER

BASIC DISK 10 French Disk Basic SB-6510.5E (plus Utilities)

This disk is explained in Vol.10/3 pp.54-55. It contains special 'Utility' routines, some in Basic and others in OBJ code. Note, however, that some of the programs **MUST** be run under SB-6510.5E - in other words, you **MUST** boot this disk in order to use them !

BASIC DISKS 11A/B (The latest SUC SUPERBASIC MASTER DISKS)

NOTE:DISK 11A boots SUC SUPERBASIC SB-6585/S (for SHARP printers)
 DISK 11B boots SUC SUPERBASIC SB-6585/C2 (for ASCII printers)
 (See Vol.17/2 pp.16-17 for details of these 5¼" 40T disks)

PLEASE DO NOT FORGET TO SPECIFY THE VERSION YOU REQUIRE (A or B)

Both disks carry an AUTO RUN program that offers the B-COMMANDER Toolkit, plus programs as listed below (* = only on DISK 11B):

The latest version of MZ-80B SUPERCOPY (currently v.B16)
 The latest versions of MZ-80B DISASM.B800/8800 (currently v.B15)
 The latest version of MZ-80B DISKEDIT/40T (currently v.B8)

AUTO-REPEAT	BK CONVERTER	TAPE COPIER
B-DIAGNOSTICS	80B UTILITY	80B TAPE POKES
KA700 TAPE POKES	BASIC.HELP/B4	KEYWORD TABLES
AUTO-DIR	WDPRO 2.36BT	PRINT/ALL
PRINT/OFF	SHORT AUTO RUN	(COPY/P2 MODS V8)*

BASIC DISK 12 (inc. XWORD program by the late Jac van Schoor)

BREAKOUT	COSMO TRAVELLER	DAN GAME
DONKEY CLIMBER	FORTUNES	MANHOLE MAN
PIRATE	PUCK MAN	SPACE INVADERS
XWORD	PZL-01/PZL-10 (for XWORD)	

BASIC DISK 13 ('Family Tree' suite by Robin Hill, + ENIGMA)

AUTO RUN	TOWN	CONVERTDATA
RE-INDEX	FAMILY	TREE PRINT
INDEX	ENIGMA	

CP/M DISK 01

B-FIND.COM	DESK.COM	DSKED.COM	WRDCOUNT.COM
IPL.ASM	MDM714-A.COM	MDM714-B.COM	XWD.COM
VERIFY.COM	UNERASE.COM	WASH.COM	SD.COM

CP/M DISK 02 (XTAL BASIC ROUTINES)

APPCOSTS	BANKPROG	BANKPROG2	VATCALC
CALENDAR	CASHBAL	CHARSET	WORDS
COMPOUND	DARTSCORE	DATECALC	WORDS2
DECBINHEX	EASTER	FRENCH	WALLPAPR
HOMONYMS	LPPROG	RECKONER	XTALVAR
LPPROG2	MONOFIN		SHOPLIST
TABLES	TRIPLAN		

CP/M DISK 03

CPMSTERM	DER	DISKC	XLATE
DU	FINDBAD	RESET	XLD
NSWP205	QK	SPZ	
SSIB	TELL	UKM7	

CP/M DISK 04

COMPARE.COM	COMPARE.DOC	DASMB800.DOC	DISCMOD3.DOC
DISCMOD3.COM	DISPLAY1.COM	DISPLAY2.COM	DISX.COM
DISK.DOC	DSKUTIL.DOC	DSKUTIL.COM	DMAP.DOC
DMAP.COM	LOOKAT.COM	LOOKAT.DOC	NEWACHAR.DAT
NEWBCHAR.DAT	ZENASMA2.COM	ZENASMB2.COM	ZENASMBT.COM
ZENASMAT.COM	ZENASM.DOC	BLIBRARY.LST	VDO-EDIT.COM
VDO-EDIT.QRF	POWER.COM		

FDOS DISK 01 - INFO-PROGRAM FDOS DISK 02 - *FDOS ROUTINES*

3½" MZ-80B MULTI-BASIC MASTER DISK 01

This disk is described at the start of the MZ-80B Section in this issue. It contains 4 different MZ-80B Basics, a CHANGE BASIC? program, and all the latest SUC programs (the same as or very similar to those listed for 5¼" BASIC DISKS 11A and 11B above).

STREAM.COM is dealt with as a separate request. It consists of a CP/M program AND an MS-DOS based program, hence two disks (one for each of the two operating systems) will be required.

N.B. MZ-80B BASIC Library disks can be provided in either 5¼" 35-track, 5¼" 40-track, or 3½" 80-track format.

MZ-80B CP/M Library disks are normally provided in 5¼" 35-track format. However, CP/M disks in 3½" 80-track format should become available in the near future - please contact the MZ-80B Librarian to check on the latest situation.

*** End of MZ-80B Library List, March 2000 ***

MZ-80A Librarian
Peter Perkins

Tel.



MZ-80A Library List, March 2000

Since this list was last published in March 1995, the only disks that have changed are the two 5¼" SUC SUPERBASIC Master Disks DB17 and DB18. And the only significant additions are two new 3½" disks carrying virtually the same programs as DB17 and DB18; these are shown at the end of the list as DB3501 and DB3502 - BUT PLEASE NOTE THAT AS I DO NOT HAVE 3½" DRIVES ON MY MZ-80A, THESE 2 DISKS MUST BE OBTAINED FROM THE CHIEF EDITOR IN WEYMOUTH.

Most programs CAN be supplied on tape if required, but those that are written specifically for a disk-based system will not run on a tape-only system. Contact the Librarian if in doubt.

Tape copying takes a long time, so tape requests may take a few days. Disk copying can be done quickly, and I would hope to return your disk(s) in 2-3 days. PLEASE REMEMBER to state which programs you need, and DON'T FORGET the RETURN ADDRESS LABEL and RETURN POSTAGE. When sending DISKS, pack them between bits of STIFF CARD or even HARDBOARD, or use proper DISK MAILERS if you can get them.

A few programs, listed below, are meant to be loaded from tape. These programs are supplied on tape unless otherwise requested.

Programs which are normally supplied on tape

Tape only No.1 - XPATCH 5510 V2.2

Tape only No.2 - (SUPERBASICS) SA-5577/C and SA-5577/S

THE MZ-80A DISK LIBRARY LIST, MARCH 2000

S.U.C Disk ID1 (Introductory Disk 1, for new members)

BASIC.SA-6510	FILING(CMT)	UTILITY 2
PROLOGUE MZ-80A	CLOCK	TAKE-DOWN GAME
INVENTORY CTRL	ANAGRAM	DISK>CMT.A6
CLUB COPY.U1	RAM CHECK A	BASIC.SA-5510
BASIC TUTORIAL 1	BASIC TUTORIAL 2	BASIC TUTORIAL 3
BASIC TUTORIAL 4	GEOGRAPHY	HOME BUDGET
BANK RECONCIL	BANK LOAN	MORTGAGE
HANGMAN	COMPUTER PIANO	

S.U.C Disk ID2 (Introductory Disk 2, for new members)

ARITHMETIC	LUNAR LANDER	TEN-PIN BOWLING
SPACE FIGHTER	IDENTI-KIT	CLEVER CRIBBER
D-DAY	BREAKOUT	STARTREK
SCRAMBLE	SPACE INVADERS	AUTO RUN
IQ TEST	CATTLE DRIVE	TEST MATCH
DONKEY DERBY	SPIDER MAZE	YOU COUNT
SA-6510 KEYWORDS		

S.U.C Disk DB1

SP-5060.A1/S
SP-5060.A1/M
HU-BASIC.A1/S
BASIC.SA-5510
PROBE/A B600
HU-BASIC.A2/80
SECTOR R/W(NEC)
RAM CHECK A

Z80 MACHINE.A1/S
Z80 MACHINE.A1/M
HU-BASIC.A1/M
COPIER
PROBE/A 8000
HU-BASIC.A2/M
EXPRESS PLUS
CLUB COPY.U1

CLUB MON.A1/S
CLUB MON.A1/M
SP-CONVERT.A1
CONVERTER
PROBE/A 1200
SECTOR R/W
COMPILER/A2

S.U.C Disk DB2

Z80 DISASSEMBLER
REPEAT POKE
SA-5575/C
SA-5577/C

PENULTIMATE
XPATCH 5510 V2.2
55XXA SOFCENCOPY
SA-5577/S

DISK>CMT.A6B
SA-5575/S
65XXA SOFCENCOPY
BUFFER DEMO

S.U.C. Disk DB3

MINI DATACARD
CFLOWINIT
CFLOWMAIN
HAMS LOG
COMPUTER PIANO
RES/NETWORK

TEXT ED V1.2
CFLOWUTIL
CFLOWCONV
LOG PAD SHEETS
CAPACITOR
RESISTOR CODES

INSTRUCS V1.1
POSTERS
N.T.L.O
DISPENSOLABLE
EPHEMERIDES

S.U.C Disk DB4

FOOTBALL POOLS
STATISTICS
POLYNOMIAL
DAYCALC
PLOTTER
DCF
CHEQUE DISK
I CHING
BIOPRINTER

FOOTBALL HONOURS
CORRELL COEFF
EQUATION 2,3,4
GARDEN PLANNER
DECBINHEX
STOCKTAKE
INTEREST
FORTUNE
DIGITAL CLOCK

FOOTBALL FORECAST
BINOMIAL
DISTANCES
RAFFLE DRAW
METRIC CONV
PROFIT MARGINS
HUCALC 80A+/S
CHESS TIMER
HUCALC 80+/M

S.U.C Disk DB5

SPACE INVADERS
SARGON 2.71
M/C BREAKOUT 2
M/C HISSING SID
LE MANS
DEFENDER
APOLLO CHESS V2A

GALAXI FORM
OTHELLO
GALAXY INVADERS
TEXT BASIC I
NEW INVADERS
MZ-80A GALACTIC

BREAKOUT
M/C RACE CHASE
SCRAMBLE/A
COLONY
GREEDY GREMLINS
SUPERFIRE

(continued on next page)

S.U.C Disk DB6

NEW GOLF
L-SHAPE GAME
STOCKMARKET
STARFIRE
WHAM
ROAD 2
MUSIC HANGMAN
HANGMAN4
DUCK SHOOT
ALLIGATOR
EXPLODING ATOMS
QBERT
GIANT SLALOM
WHITEHALL
MISSILE ATTACK

SUPER GOLF 2
CELLS AND SERPS
ESCAPE
DR LIVINGSTONE
STAR WARS
STARTREK
HANGMAN2
IMPHEX
DRAUGHTS
BOUNCING BALL
MUGWUMP
LUNAR LANDER2
CRIBBAGE
WEEDKILLER
HORSE RACE2

HAMURABI
ELECTRIC COMPANY
OBSTACLES
SWEEPER
MONEY MAZE
YAHTZEE
HANGMAN3
BRICKSTOP
PONTOON
FOOTBALL
ALIEN EAGLE
SPACEFIGHTER
MADNESS
TANK BATTLE
TREASURE HOUSE

S.U.C Disk DB7

SPACE ATTACK
SOLITAIRE
MINOPOLY
GALACTIC CHESS
SUPER TILT
THE MEANIES
FRUIT MACHINE
LUDO
SERENDIPITY
DEMON DRIVER
NUN RUNNER
CONNECT 4
DICE
AIRLINE PILOT

RACE CHASE
MOSAIC
MAD MAX 2
WORLD CUP
NUCLEAR REACTOR
RIVER CROSSING
MASTERMIND
REVERSE
DOG AND FLEA
BUMPERS
DIGGER
ALIEN ATTACK
SHARP SHOOTER
FLYING MISSION

CATCH THE MEN
WHITE BARROWS
BATTLE OF BRIT
PUCKMAN
DEFENDER
SLOT MACHINE
TUNNEL RUN
DOG STAR 2
ACEY DUECY
RIBBIT V2
BLOCKING
PUTTING
AIR LANDER

S.U.C. Disk DB8

SPATIAL HUNT
DEFENDER
INDY 5000
EPIDEMIC
MUNCHERS 2
BALLOONS
MEMORY
STARSHIP MK2
FOREST OF DOOM
PRO-SHOT GOLF
FRUIT MACHINE

LABYRINTH
FROGGER
BATTLESHIPS
WIGGLY WORM
GROAN
VIER GEWINT 2
WITCHES
CASTLEMAZE ADV
TRAINS
WIZARDS CASTLE
CONNECT 4

SHARP SKYING A
SIEGE
MASTERMIND2
GALLOWS
3-D MAZE
TIC-TAC-TOE
GHOST MAZE
TUNNEL ADV
BACKGAMMON
LASER DEFENCE

S.U.C Disk DB9

READING TEST
VOWEL LANGUAGE
CHEMIST
FRENCH VOCAB
TUTOR 1, TUTOR 2
NEW DYNAMICS
FACTORISATION
GEOMATHS
GEOGRAPHY

THERMOMETER
TABLES
MORSE TUTOR
KEYBOARD TESTER
SUMS GAME
AT.ORB1, AT.ORB2
CURVE FIT1, CURVE FIT2
APOTHECARY
MATHS SOLVER

SYNTAX
ELEMENT
MORSE TRANSLATOR
TYPING TUTOR 2
COUNTING GAME
SINE
PERIMAREA
SUPER DIARY
MUSIC WRITER

S.U.C Disk DB10

BINARY COUNT
 CARTOON
 ROSSETTES

SCREEN HANDLER
 TYROLESE MUSIC
 SORT DEMOS 1 & 2

GRAPHICS KIT
 LISSAJOUS
 SOUND EFFECTS

S.U.C Disk DB11

SA-5510 COMPILER
 FILING(CMT)
 B880 MASTER
 SLAVE v1.1A

EXPRESS BAS/700
 SA-5510+KN.COMM
 BAS MOD V3.74
 FRONT PANEL v1.5

EXPRESS COMPILER
 BASIC SA-5580
 ZEN 7E.A2
 MEMORY TEST

S.U.C Disk DB12

SPOOKS
 ENTREPRENEUR
 AGENT 007
 ARTILLERY
 MOON LANDING
 DEMON DRIVER
 STAR WARS
 BEANFEAST
 VIDEO DRAUGHTS
 TOWERS OF BRAHMA
 LIGHTNING
 SIMEON
 REVERSAL(A)
 SKI RUN
 BATTLESHIPS BAS
 MAHJONGA1

FRED
 GUESS THE NUMBER
 PINBALL
 NOUGHTS+CROSSES
 PAWNS MOVE
 CONNECT 4
 FRUIT MACHINE
 BATTLESHIPS
 TUDOR VILLAGE
 TRENCH MORTARS
 WAR AT SEA
 SIXTH SENSE(A)
 BUGSPLAT(A)
 BOMB RUN
 LUNAR

DEMONS CASTLE
 THE LILY POND
 BIORHYTHMS
 DOG FIGHT(A)
 JUNIOR HANGMAN
 HANGMAN
 SMUGGLERS
 POLAR SUB
 ELECTRONIC ORGAN
 TARGET PRACTICE
 EACTION TESTER
 NAVVY
 NUMBERCRUNCH
 SPACE COMBAT
 STARTREK

S.U.C Disk DB13

MILK ROUND
 POLAR SUB
 MATHS & PHYSICS
 INVOICE CONTROL
 JIGSAW
 SOUND EFFECTS
 LP GAS FLOW
 MAILING LIST
 MUSIC WRITER
 DATABANK 2
 BYTESAVER MZ-80A
 TIMECHARGE 2
 CONVERTER A>700
 FRENCH VOCAB

TIMECHARGE
 BATTLESHIP BAS
 PAINTBOX BAS
 SUNDRY CREDITORS
 SNOWFLAKES
 GEOGRAPHY
 DEFERMENT
 PRINTER PACK
 POSTER PRINTER
 DATABANK
 BASIC MOD A
 DCS MZ80A APPEND
 BASIC CYMRAEG A1
 SHARP PENCIL A1

DOG FIGHT(A)
 MATHS SOLVER
 ADDRESS BOOK
 MAGIC PAINTBOX
 STOCK CONTROL
 Y GEIRFA
 LETTERWRITER
 REPORTWRITER
 TYPING TEST
 BYTESAVER SA-5510
 INVENTORY
 DCS MZ80A RENUM
 STKEEPER2BAS700A
 SHARP PENCIL ALF

S.U.C Disk DB14 - DBASIC files + Sharp/Microease Business Suite:

DIRECTORY v2 SALES LEDGER v2 INVOICING v2 DAY BOOK ENQ. v2
 PRICE LIST v2 PURCH.LEDGER v2 STOCK CONTROL v2

S.U.C Disk DB15 - DBASIC files + SCROOGE ACCOUNTS (see 14/3 p.22)

S.U.C Disk DB16 - DBASIC files + SHARPLAN01 (saves data to tape)

BASIC DISKS DB17-18 (The latest SUC SUPERBASIC MASTER DISKS)

DISK DB17 boots SUC SUPERBASIC SA-6585/S (for SHARP printers)

DISK DB18 boots SUC SUPERBASIC SA-6585/C2 (for ASCII printers)

(See Vol.17/2 pp.18-19 for more details of these 5¼" 40T disks)

Both disks carry programs as listed below; where necessary, the program name on the actual disk will be suffixed by /S or /C2 to indicate the type of printer for which the program is designed. Note also that the program marked ()* is on disk DB18 only:

The latest version of MZ-80A SUPERCOPY (currently v.A16)

The latest version of MZ-80A DISASM.B800 (currently v.A15)

The latest version of MZ-80A DISASM.8800 (currently v.A15)

The latest version of MZ-80A DISKEDIT/40T (currently v.A7)

BASIC.HELP/80A	SA-6510 KWDS/P	CHR\$(0-255)
VERSION\$	PRINT/ALL	PRINT/OFF
AUTO-DIR	WDPRO 2.37AT	80A PENCIL.A2
Z80 MACHINE.A3	HUCALC 80A+	SARGON 2.71
NEW GOLF.A	15-GAME.A	WOHLTEMPIERT KLV
DECBINHEX.A	MAH-JONG	SP-4015.A1
(C2 LIST/P TEST/A)*		

S.U.C Disk CX1 (CP/M FORMAT, REQUIRES XTAL BASIC 3.1C)

LAGRANGE	BISECTIO	SYSEQU	LPPROG/S
LINPROG	ITFUS	DTFUS	LPPROG/M
INTFNC	DNTF	RKFIDE	LINSYS
ASMD	XTALBANK		

S.U.C Disk CW1 (MANUALS, in WDPRO .UFT (CP/M) FORMAT)

CCOPYMAN	CBMONMAN	GRKITMAN	ILPTRMAN
CFMAN1	CFMAN2	CFMAN3	APOKEMAN
SCROOGE (15 chapters)		CCU1MAN	ASOFTMAN

UPDATED S.U.C Disk CS1 (CP/M Format)

SIRS - SHARPSOFT INFORMATION RETRIEVAL SYSTEM

*** NEW 3½" DISKS ***

N.B. THESE DISKS MUST BE OBTAINED FROM THE CHIEF EDITOR, WEYMOUTH

S.U.C. Disk DB3501

This new 3½" 80T disk carries virtually the same programs as disk DB17 above; but Basic SA-6585/S is stored on tracks 127 et seq., leaving a full 500K of 'User Space' (on tracks 2-126).

S.U.C. Disk DB3502

This new 3½" 80T disk carries virtually the same programs as disk DB18 above; but Basic SA-6585/C2 is stored on tracks 127 et seq., leaving a full 500K of 'User Space' (on tracks 2-126).

*** END OF MZ-80A LIBRARY LIST, MARCH 2000 ***

Edited by Paul Trainer

Tel./Fax:
Email:



MZ-700 Library List, March 2000

Recent Changes

Since the MZ-700 Library List was last published in March 1995, the only disks that have changed are the four 5¼" 40-Track Disk Basic Master Disks carrying the latest versions of SUC SUPERBASICS for the MZ-700; these have now become DISKS MD1-MD4, as follows:

- MD1: MZ-2Z009 v.8.4/S (boots from Sharp ROM, for Sharp Printers)
 - MD2: MZ-2Z009 v.8.4/C2 (boots from Sharp ROM, for ASCII Printers)
 - MD3: K&P DBASIC 8.5/S (boots from K&P ROM, for Sharp Printers)
 - MD4: K&P DBASIC 8.5/C2 (boots from K&P ROM, for ASCII Printers)
- (These disks are described in detail on pp.25-27 of Vol.17/2)

All the above disks carry several other programs, as indicated by the list below. This list is generalised, and where necessary the names actually used 'on disk' are suffixed /S or /C2 in order to highlight programs that require a particular type of printer:

- The latest version of MZ-700 SUPERCOPY (currently v.S16)
- The latest version of MZ-700 DISASM.B800 (currently v.S15)
- The latest version of MZ-700 DISASM.8800 (currently v.S15)
- The latest version of MZ-700 DISKEDIT/40T (currently v.S7)

- | | | |
|---------------|--------------|------------------|
| TRANS V1.4B | B800.700RAM | BASIC.HELP |
| KEYWORDS/P | 703 PENCIL | WDPRO 702.35 |
| WDPRO 782.36 | S-BASIC V8.4 | S-BAS KEYWORDS/P |
| Z80MACHINE.S3 | | |

In addition, a particular Basic Master Disk may carry other small programs which apply only to the software on that disk (e.g. K&P VERSNS\$, 009 PRSTATUS/RH, SBAS/K&P PLOT/S, KP POKES TDAT100, C2 LIST/P TEST). The first three of these programs are explained in Vol.17/2; the KP POKES program in Vol. 16/3; and the C2 LIST/P TEST program checks that Sharp 'CURSOR' characters are printed correctly on your particular ASCII printer.

The only significant additions to the list are four new 3½" 80T Disk Basic Master Disks MD351-354. These carry virtually the same programs as the 5¼" disks above but, in order to facilitate the use of mixed 5¼" and 3½" disk drives, THEY ALL BOOT FROM THE K&P ROM (which allows you to specify the boot drive):

- MD351: MZ-2Z009KP v.8.4/S (boots from K&P ROM, Sharp Printers)
- MD352: MZ-2Z009KP v.8.4/C2 (boots from K&P ROM, ASCII Printers)
- MD353: K&P DBASIC 8.5/S (boots from K&P ROM, Sharp Printers)
- MD354: K&P DBASIC 8.5/C2 (boots from K&P ROM, ASCII Printers)

The full March 2000 Library List, including the above disks, is on the following pages, starting with the usual instructions for ordering and including a list of the documentation which is available for some programs at a small extra charge (in stamps).

How to use the MZ-700 Library

TAPE USERS:

- 1) Send a good quality tape (TDK, MEMOREX, SONY etc.) with a return self-addressed label and postage, or a S.A.E.
- 2) The tape should be long enough to hold your requested programs. 10 copies max. from anywhere in the Library (should fit on a C30).
- 3) If you want the optional printed instructions, extra 2nd class postage stamps are required (see list below).

DISK USERS:

- 1) Send pre-formatted disk(s), stating the volume(s) requested. As above for return postage. N.B. QD users should send 2 disks for every full volume.

Disk users should note that all BASIC programs in the Library are stored on disk as Sharp 'Type 02'. K&P DBASIC handles BASIC programs as 'Type 05', and sees 'Type 02' files as coming from the MZ-80A or 80B and tries to convert them. Therefore, before using a Library disk under K&P DBASIC, you must use SUPERCOPY to change the 'Type' of all the BASIC programs on that disk from 02 to 05.

OBTAINING PRINTED INSTRUCTIONS:

We have instructions for some programs. These may be obtained by enclosing the stated number of extra 2nd class stamps, over and above those required to return your tape or disk(s):-

Eye of Mordeaus	= 1 2nd class stamp/s.
Typing Test	= 1 Great Type tutor by DCS
Letterwriter	= 2 (Interacts with Reportwriter and Databank)
Reportwriter	= 2 (Interacts with Letterwriter and Databank)
Sundry Creditors	= 2 (keeps a check on the slow payers)
G.E.M.Searcher	= 1 (novelty manager for QD BASIC)
Mailing List	= 1 (Interacts with Databank)
Invoice Control	= 2
Databank	= 4 (comprehensive database, password protected)
Databank 2	= 1 (Databank 2 is an additional module for Data-bank. Performs calculations.)
80A-700 Converter	= 1 (guess what this does!)
Supertape II	= 1 (tape copying program)
Sketchplot	= 1 (outputs graphic design to plotter)
Probe B600	= 2 (disassembler/debugger/single-stepper)
Z80 Machine	= 1 (Ideal utility for comparing files etc.)
BASIC+700	= 2 (DCS extended BASIC)
HEADLINER	= 2 (Printer utility plus demo files)
APOLLO WORD	= 5 Comprehensive WP donated by Apollo Software.

THE MZ-700 TAPE LIBRARY, MARCH 2000

This includes only programs which can't be transferred to disk:-

Machine-Code	HuBASIC Programs	Other
MISSION ZED MC	MZ BLOCK LAND	CLUB COPY.U1
STAR MAKER MC	ANGLE BALL	(instructions,
SHOPLIST MC	HUBAS700B/PLT	WDPRO data file)
BINGO 6 CARD MC	HUBAS700B/P4A	KEYSTROKE INDEX
GALACTICAN	HUBAS700B KWDS	(BRD data file)

***** MZ-700 LIBRARY ON DISK, MARCH 2000 *****

All the programs below are stored on 5¼" FD's. Note, however, that a few memory-gobbling adventures are held on disk but only RUN under S-BASIC and therefore need TRANSing to tape at your end.

Vol. No.1 - BASIC GAMES (full)

Backgammon, Head on 700, Alpha Leap, Stock Market, Wordsearch, Murder 1, Concentration, Wordsearch 3, Towers of Hanoi, Defender 700, Spatial Hunt, Labrynth, Flying Mission, Sharp Skiing, Asterock, Mini Pacman, Pontoon, Cribbage, Draughts, Space Bomber, Bi-plane, Tic-Tac-Toe, Go Fish, Hangman, Racer, Pacman, Chase, Doggies, Othello, Letterslide, Battle Planets, Worms, Nightfighter, Octave, and White Barrows.

Vol. No.2 - S-BASIC GAMES and ADVENTURES (full)

Eye of Mordaeus(I)1, 3D OXO, Yahtzee, Solitaire, Mind out, Startrek, Golden Galleon, Livingstone, Dog Star, Labyrinth, Crypt, Trio, Patience, Chain---Reaction, Cyborg, Ognib, Bug Snapper, Star Mission, Space Gun and Bingo 4 Card....

Vol. No.3 - S-BASIC ADVENTURES etc. (full)

Giants Gold, Pyramid of Doom, Treasure House, Witches Fortress, Miniopoly, World Cup, Lost in Jungle, Cells and Serpents, Castle, Pyramid, Valley, Murder at Manor, Secret Silver, Galactic Escape, Monkey Mania and Mystery Mansion...

Vol. No.4 - S-BASIC GAMES (57K free)

Roulette, Bingo 6 Card, MZ-Talker+, Haunted House, Breakthrough, Siege, Battleships, 6 Card Bingo, Poker, Pools Forecast, More Forecasts, Three Dice Game, Put and Take, Draughts, Checkers, Mah-Jong.701, Jigsaw.DCS, Startrek 80K, Fruit Machine, Harmony, Slot Hudson, Psycho, League Table, Robot Hunter and Sharp Oil.

Vol. No.5 - MC GAMES (full)

Ludo, Logger, Chess 2.7, Mission X, Mushroom Loader and Mushroom, New Invaders, Flag Rally, Space Invaders, Gomuku, Breakout, Grand Prix, Up Up and Away, Up the Pole and Bingo 6 Card...

NB. Some MC programs have loaders which contain information used by the main program. These loaders and programs may have to be copied back to tape to allow them to load and run successfully.

Vol. No.6 - DCS PROGRAMS (BASIC unless stated) (20K free)

Agent 007, Demon Driver, Lily Pond, Simeon, Spooks Demo, Demons Castle, Smugglers, Fred, Tudor Village, Maths/Physics, Maths Solver, Mailing List, Printer Pack, Databank, Databank2, Typing Test, Sundry Creditors, Polar Sub and Bomb Run, Invoice Control, Sound Effects, Paintbox(mc), Starbase(mc), Snowflake(mc), Entrepreneur and 80A-700 Converter.....

Vol. No.7 - DCS LANGUAGE (176k free)

DCS BASIC B, DCS BASIC C, EXPRESS BASIC 700, EXPRESS COMPILER 700, EXPRESS BASIC K, EXPRESS COMPILER K, BASIC+700 and BASIC E700.

Vol. No.8 - PRINTER and PLOTTER (50K free)

Bug Kill, Weed Label, Spine Labels, Post Card, Plotting Graph, Address Labels, Garden Labels, Invoice, Ticket, Cassette Labels, Menu-Maker, Green Fee, Print-a-Letter, Bar Chart, Space Guide, World Globe, Sketchplot, Club Fonts, Fontastic+, Headliner + 3 BSD files, and Sideline..

N.B. The first 17 programs on Vol.8 are for the printer/plotter.

Vol. No.9 - GENERAL UTILITIES (full)

S-BAS NEW TRON, 700QD NEW TRON, Hex Calculator, Metric Converter, Screen Designer, Poke Demo, 36K Demo, Statistics, Ham File.701, Ham File.702, SupertapeII, RT Clock, B'Code2.D700/DCS, Title Maker, Phone List, Easi-extract, Rec Tape Cat, Print Tape File, Data Maker, Club Copy.U1, K&P NEW TRON, PAUL'S DEMO, Colour 2, 009 NEW TRON, Masterfile.702, SER EPROM CODE, MZ-MODEM TEST, Colmem, Digi-clock, Screen Utils, Digi-Alarm, Edfield, Alarm Clock 1-3, MZ-Tick Tock, S-BAS Mod Prog, Opening Demo, and Open Music.

Vol. No.9B - GENERAL UTILITIES

Sound poke demo, Mosaic Console, Hucalc 700+/s and Hucalc 700+/m.

Vol. No.10 - LANGUAGE (115K free)

HU-BASIC.700/ S and M, PROBE B600, SP-5025 BASIC, ZEN.700, Z80 MACHINE, SA-5510 BASIC, SP-5060.EP, SP-5060, S-BASIC, S-BASIC+COPY and S-OUND BASIC ...

Vol. No.11 - WORD PROCESSING (100K free)

Sharp Pencil.700, Sharp Pencil.7LF, Sentence Pro S/QD/MC, Letterwriter S/QD, Reportwriter S/QD, WDPRO 782.35/702.35 and Apollo Word.

Vol. No.12 - EDUCATION (140K free)

Fractions.700, Coordinates, Times Tables, North America, Numbevadgers, Apothecary, Metric Con, Geo Maths, Type Tutor, Curved Fittings, Sharp Maths and MZ ALPHABET.....

Vol. No.13 - Sharp DBASIC Programs (full)

Mailing List, Golden Galleon, G.E.M.S., Mystery Mansion, Backgammon, Head on 700, Defender 700, Spatial Hunt, Sharp Skiing, Asterock, Space Bomber, Searcher, Hangman, Racer, Lily Pond, Type Test, Databank, Phone Add List, Rec Tape List, Printer Pack, Battleplanets, Bug Snapper, Labyrinth, Monkey Mania, Nightfighter, Witches Fortress, 3D OXO and Coordinates.

Vol. No.14 - Sharp DBASIC Programs (10K free)

Times Tables, Music, Octave, MZ-Talker+, Databank2, Roulette, Math/physics, Patience, Sketchplot, Chain~~Reaction, Mind Out, MZ-Tick Tock, Title Design, 36K Demo, Title Maker, Sound Effects, Lost in Jungle, Worms, Paul's Demo, Invoice Control, Sundry Creditors, Agent 007, Spooks Demo and Smugglers.

Vol. No.14a - Sharp DBASIC Programs

Entrepreneur, MZ Alphabet, Getting started, crypt and labels.

N.B. The above three volumes contain S-BASIC programs which I have modified to run under Sharp QD and DBASICs. These programs caused errors before modification. Remember most of the S-BASIC programs in the Library will work fine without changes under disk BASICs.

Vol. No.15 - Music and Sound (183K free)

Bunyan Hymn, All Through Night, Golden Slumber, My Aunt, Fragment, John Peel, Frankie and John, Composer, Music Box, Music, Sound Effects, Octave Hi-Composer, Clemantine, Swanee River, Loch Lomond, Early One Morning, Widdicombe Fair and W.A.F.W.H.I.J.

Vol. No.16 - UFO PROGRAMS. BASIC and MC (40K free)

UFO BASIC V2/2c/2CP, BASIC BOOT SAVE/LOAD, UFO BASIC COMMANDS, UFO UNIV PMP, UFO W/P, TitleMaker, Labels, Backup, Turbo Load.

Vol. No.17 - MC Games (12k free)

Land Escape, Painful Man, Send-1, Battle Game (with loader), Searcher (with loader), Snake and Snake, Circus Star (with loader), Super Puckman, Round Shoot, Manhunt, Atlantis, ApolloChess v2, TETRIS and Springythingy.

Vol. No.18 - Sharpsoft education. (full)

Ice-vendor, Ask your grammer, Elementry school, q&a (unfinished), Bounces, Math corporal, Deprec'n, Car jump, Capitals, M.o'Gradey, Sharp shooter, Hammurabi, Let's get geo, V*p/t, Archimedes princ, Credit Union, Anopheles, Sharp Fam. Robinson, Swingers, Physichem, Astrology, Fingertips, Number muncher, Backgammon, Shapes 2, Animator 1/2, Snake, Speedy fingers, Trig cal 1/2.

Vol. No. 19 - Sharpsoft. (full)

Bug blaster, Civil war, Trig, Outliner, Caesars invasion, Yahtzee, Rubiks cube, Eliminator II, Home budget, Income tax 84/85, 83/84, 82/83, Legend, S-bas+Basmod, Basmod toolkit, Blibrite and Firefox.

Vol. No.20 - Sharpsoft. (full)

Blackjack, Ladders, MZ-700 Forth, Grid-bugs, Attack MZ-700, Bug blaster, Proteus 1, Myriad, Rope Runner, Alien egg, Dark Star, Tape file copy, Alien Invasion, Records 1, Get started, Cosmic zap

Vol. No.21 - Sharpsoft. (full)

Attack MZ-700, Galactic attack, Defendroid, Wordbase, MZ word, Music master, Composer, Photopro, Moon buggy, Conflict of the vortex, Juggle kong, Conflict/vortex 2 and Shapes.

Vol. No.22 - Sharpsoft. (16k free)

Q*bert 700, Patterns, Worms, Road frog.700, Praxis, Efe and the monsters, Starfox, Terminal emulator, Sharplan, Super converter, T-copy, Chess, Mexican Adventure, Easivat, Informat, Informer, Apple game, Raid-700 and Kings & Queens.

Vol. No.23 - Mainly Sharpsoft. (full)

Building Hopper, Bomber Man, Blizzard, Billiard, Painter, Bricky 700, Keys/Karnack, Droid Wars, Octoids, Jail Break, Dogz 700, Fire Birds, Invaders Revenge and Fast Food Fun.

Vol. No.24 - More Sharpsoft and others. (full)

Ram Jam.m/c, Moon Rescue, Jackpot, Lift Off From Epsilon Beta and Quickfile, Laser Blaser, Rail, Cricket, Snake Panic, Inter-boxing, Secret Kingdom, Train set, Le Mans.700, Rescue Plane, Snake pit.

***** NOTE RE VOLS 20-24 ABOVE *****

Vols. 20-24 above are from my own collection of Sharpsoft titles and the Sharpsoft donation mentioned in Vol.14/3. If you have any Sharpsoft programs that are not in Vols. 20-24, please send me copies to add to the Library. (Do it when you make a request.)

Vol. No.25 - Screen Catalogue

Screen Catalogue/Q/D, Screen Catalogue/T, plus 6 BSD files which are read into the main program - F1/100, F2/85, F3/57, F4/3, Sharpsoft 1 and Sharpsoft 2.....

Vol. No.26 - MZ-80A Annex

Q*Bert/QD, Q*Bert, Whitehall, Arithmetic, Identi-kit and IQ test.

Vol. No.27 - Scrooge Accounts

Scrooge.700, Scrooge RPTS, Scrooge STAT1, Scrooge STAT2, Sundries and Accounts data.

Vol. No.27b - Scrooge Accounts (instructions)

17 files in WDPRO format on a CP/M disk.

Vol. No.28 - MZ-80K ANNEX

Calender, Connect 4, Snakes/Ladders, Graph plotter, Pontoon, Tarot, Biorhythm, Exploding Atoms, Towers of Brahma, Zombie, Metric convert, Hex/Dec convert, Pythagoras, Invoices/statements, Invoices inst(Read this), Backgammon, Data base, DB setup, Pro-golf, Battleships, Chomp, New golf, Golf, Hamurabi, Breakout, Dr Livingstone, World Power, Space Attack, L-game, Mortar attack, Electric Co., The Valley and Stockmarket.

*** SUC DISK BASIC MASTERS, AND OTHER SPECIAL DISKS ***

New 5¼" Disk Basic Masters MD1-4 (see start of this section)

New 3½" Disk Basic Masters MD351-354 (see start of this section)

K&P DBASIC + (Disassembler written in Basic by Eric Stanley)

K&P 3½" DBASIC (+ Solo Mods) (+ Disassembler)

K&P DBASIC + S-CALGO

Sharp Disk Basic + Epson driver (by Robin Hill)

S-Calgo on QD, optional 50-page manual, ring for details.

Zip Basic/Compiler. Zip BASIC runs 3 times faster than S-BASIC, the Compiler turns the Zip BASIC program into stand-alone MC which runs 60 times faster than S-BASIC. £4.00 plus blank tape, cheques payable to SHARP USERS CLUB (the £4 is for a nice 28-page manual).

***** MZ-700 CP/M and PCP/M *****

At the time of writing MZ-700 CP/M and PCP/M are available only on 5¼" disks. However, we are working on transferring these systems to 3½" disks, so if you are interested ring the Chief Editor.

MZ-700 CP/M 2.2 (5¼" 35-track, boots from K & P ROM)

MZ-700 40-Col. PCP/M (5¼" 40-track, boots from Sharp ROM)

MZ-700 80-Col. PCP/M (5¼" 40-track, boots from Sharp ROM)

Also various CP/M application programs, including Robin Hill's CONV700.COM for transferring Sharp BSD disk files to CP/M or MS-DOS disks. Contact the Chief Editor for more details of this and other CP/M application programs.

Your Section Editor is:-
Paul Trainer

Tel./Fax:

Email:



MZ-800 LIBRARY LIST, MARCH 2000

The Volume 1 contains programs of English origin:

LINES, SYMBOL, STARSHIP, SOUND, WAVES, MUSIC, 3D-PLOTTER.800, GRAPH.800, OLDE FONTE, WORLD CLOCK.800, FANCY TIME.800, PIE CHART.800, WORLD TIME.800, OPENING 800, OPENING DATA, UNION FRED, GRAPH DEMO 1-8, PHOTO OF AN MZ-80B, BOXES, CIRCLES, MZ-800 TIME, LETTERWRITER.800, REPORTWRITER.800, PLANETS and S*CALGO which has an optional 50 page manual at a cost of £5.00 made payable to me.

Volumes 2-6 are of German origin:

Vol. No. 2.

COPY V2.0, DISKSEARCH 1.1, RAMCARDEDIT 2.0, UNERASE, BOOT-SLAVE QSOFT, COPY MZ-800, MASTER AK, MZ-2Z046, COPY 2.91 JPS, LOAD HARDCOPY, HARDCOPY K&P, HCLIST, HARDCOPY V1.0, HARDCOPY 2, HARDCOPY MZ-800 ML, HARDCOPY/16.1, HC, HARDCOPY-ML II, HCOPIY/XCOPIY, 16-FARBEN HCOPIY, HARDCOPY 800/1-6, SAVESCREEN, DEMO, INTPLAY, PAINT256, RND256, PICTURESAVE, PICTURELOAD, MINI-PICTURE DEMO, TITEL, PICTURELOAD-FAST and BLIZZARD.

The above disk also contains lots of picture files to be read by the various parent programs.

Vol. No.3.

DEMO + FILES, and EGA-LOAD + FILES. (The pictures for EGA-LOAD came from an IBM MS-DOS machine)

Vol. No.4.

FRACTAL, FRACTAL LOADER, FRACTAL FILES, TETRIS DEMO+FILES, MUSIC PROGRAMS:- MENUETT, EQINOXE, IN THE MOOD, EVERGREENS, CLAYERMANN, TANZMUSIK, KLASSIK, PINK PANTHER, SOUND 3, KAMMERJG+TEXT, SYNTHY A/B/C, TOCCATA ET FUGA, SYMPHONIE NO.40, EGG SONG and SAXEZ

Vol. No. 5

TEXT-WRITER + FILES. This is a super 80-column disk-based English word processor. The disk also contains full English documentation in file form and utilities to FORMAT and COPY disks etc.

Vol. No.6 - PIXEL + related progs and pic files (FD or QD only)

Vol. No.7 - 'Family Tree' Suite, by Robin Hill

***** MZ-800 PCP/M *****

Thanks to Robin Hill in Australia, MZ-800 PCP/M is available on the original 5¼" 40-track disks AND on 3½" 80-track disks. For further details contact the Chief Editor.

Also various CP/M application programs, including Robin Hill's CONV700.COM for transferring Sharp BSD disk files to CP/M or MS-DOS disks (Robin originally wrote this program for MZ-700 CP/M but it also works O.K. under MZ-800 PCP/M). Contact the Chief Editor for more details of this and other CP/M applications.

The MZ-3500 Section is edited by the Chief Editor

There were two operating systems for the MZ-3500 in the U.K. - Sharp FDOS, and CP/M 2.2. Another MZ-3500 opsystem, EOS v3, was developed in Germany, and we have a system disk for it, without any documentation. EOS v3 therefore remains a bit of a mystery - but the disk is listed below to complete the record.

MZ-3500 FDOS LIBRARY LIST, MARCH 2000

1. FDOS MASTER DISK: SHARP FDOS V2Z-007A + SHARP BASIC 2Z-007B
2. BASIC PROGRAM DISK: LINREG2; MORTGAGE; RESFREQ; LCF3; REACTANC; COMPINT1; OSTRAC3; SIMPSONR; TRIG3; TRAP1; PARALOGR; AREACIR; AREASEC; AREAELIP; ARSPHER; ARCIRCYL; ARCIRCO; SUARFRU; VOLWEDGE VOLPYRA; VOFRUPYR; VOLSPHER; VOLCIRCN; VOLCIRCY; ANUNITY; OHMSLAW

The above mathematical/electronic programs were written by Walter Williams. Most contain a REM or a message describing what they do and in some cases giving a bibliographical reference.

MZ-3500 CP/M LIBRARY LIST, MARCH 2000

There were several versions of MZ-3500 CP/M (see 11/2 p.63 and 12/2 p.58) but we recommend the Michro-Technology version, as this is more standard, and it also contains extra utilities which allow you to read CP/M disks from other machines (e.g. the MZ-80B).

Commercial CP/M software for the MZ-3500 is no longer available, and we cannot legally supply copies. But the list below shows the commercial programs that are known to have existed, and if you can find any of these we can offer advice. And we have a few programs from the Public Domain; these are obtainable in the usual way.

Commercial CP/M Software that is known to have existed

CP/M System:	Sharp Digital Research CP/M - versions 1.XX and 2.0A
CP/M System:	Micro-Technology CP/M version 2.2.1.00
CP/M Word-Processors:	WORDSTAR v3.0; PEACHTEXT
CP/M Databases:	DBASE 2.3; MAILING LIST MANAGER
CP/M Spreadsheet:	PEACHCALC; SUPERCALC; VISICALC

MZ-3500 CP/M Software in the Public Domain

DISX.COM - a relocating Z80 Disassembler
DISCMOD4 - a disk-editing program for MZ-3500 CP/M disk format.



EOS v3 System Disk

This was reviewed, as far as we were able, in Vol.14 No.3; but without a Manual it is impossible to gauge its full potential. Members are welcome to a copy for experimental purposes.

NOTE ON MZ-3500 SYSTEM SWITCHES

The 9 DIP switches underneath the main unit were explained in Vol.13 No.1. Most of them should be kept ON; but SW8 sets the default keyboard case and should be ON (upper-case) for FDOS, but OFF (lower-case) for CP/M. The printer interface is controlled by SW1 and SW2; for a standard ASCII printer, set both to ON.

The MZ-5600 Section is edited by the Chief Editor

MZ-5500/MZ-5600 LIBRARY LIST, MARCH 2000

The two operating systems for the MZ-5500/MZ-5600 in the U.K. were CP/M-86 and a special Sharp version of MS-DOS 2.11 which, unfortunately, refuses to run most standard MS-DOS programs (but does run a few purely text-based programs). Another operating system, called EOS v16, was developed in Germany, and we have the disks and Manuals for it. However, we have never been able to find the time to test EOS v16 in earnest, and it therefore remains a relatively unknown quantity; but it is shown below for the record, and members are invited to obtain a copy of the master disk for experimental purposes. A review of EOS v16 was published in Vol.14 No.3, on pp.40-41, and that should be sufficient to allow you to make a start, and decide whether the system is worth exploring.

Commercial MZ-5500/MZ-5600 software is no longer available, and we cannot legally supply copies. But the lists below show the commercial programs that are known to have existed, and if you can find any of these we can offer advice. And we have a few programs written by members (e.g. PTKEYS, DBKEYS), and some P.D. programs which do run; all these are obtainable from me in Weymouth.

MZ-5500 LIBRARY, MARCH 2000

SYSTEMS

CP/M-86: Sharp 2Z-017A (two 320K disks)

MS-DOS look-alike: Sharp 2Z-013 (very similar to MS-DOS v2.11)

PROGRAMS

CP/M-86 programs known to exist: SHARP BASIC 2Z-017B; SUPERCALC 2

MS-DOS programs known to exist: PEACHTEXT, DBASE 2.4

MS-DOS programs we can supply: PTKEYS, DBKEYS (with AUTOEXECS)

MZ-5600 LIBRARY, MARCH 2000

SYSTEMS

CP/M-86 'DEMO' program (meant for Dealers, runs automatically)

CP/M-86: Sharp 2Z-038A (one 640K disk)

MS-DOS look-alike: Sharp 2Z-036 (very similar to MS-DOS v2.11)

EOS v16: German origin (similar to CP/M-86)

CP/M-86 programs known to exist: SHARP BASIC 2Z-038B; SUPERCALC 2; SHARPCAD

MS-DOS programs known to exist: DBASE 2.4, WORDSTAR 3.3, TURBO PASCAL, PEACHTEXT CHIT CHAT, LOGISTIX, MULTIPLAN.

MS-DOS programs we can supply:

PTKEYS, DBKEYS (with AUTOEXECS) VARIOUS SMALL P.D. PROGRAMS

FOOTNOTE - SHARPWRITER II

Sharp also sold a dedicated W.P. system called SHARPWRITER II, which comprised of an MZ-5500 base unit with VDU, coupled via one of its built-in RS-232 ports to a Sharp ZX-510 Typewriter (which thereby acted as computer keyboard and printer). The associated special software was based on MS-DOS 2.11 and WORDSTAR 3.30. We do have a complete SHARPWRITER II system (hardware and software), but it is mentioned here only for the record, and just in case anyone out there still uses one and finds themselves needing support.

(Special Page, compiled by the Chief Editor)

MZ-2000, MZ-2500 and 'X1' Library List, March 2000

Most readers will know that Sharp did not import their MZ-2000, MZ-2200, X1 and MZ-2500 computers into the U.K. for sale to the public. However, some (if not all ?) of them were imported into the U.K. for industrial purposes, and the SUC has working examples of the 'X1' and the MZ-2500, both with a small amount of software.

Unfortunately, we do not have examples of the MZ-2000 and MZ-2200; but one of our members was canny enough to acquire a boxful of MZ-2000/2200 disks and tapes at a boot sale in the Wirral, and these included a Basic Master disk for the MZ-2000, several other disks, and 8 games tapes !

So we can offer a modicum of software support for these 4 Japanese machines - the sum total is as follows:

MZ-2000/MZ-2200 Disks (all 5¼")

MZ-2000 BASIC Master disk MZ-2Z001 (Label in English !)
Utility; Filing CMT; AUTO RUN; MUSIC; 8 QUEEN; Graphic Pattern;
Biorhythm; Die Fraktur; 3D-PLOT; Data Processing;
Constant Data TX; Constant Data; Student's Record; Storage file; World clock; PAT DATA;
Utility-80TR; BASIC MZ-1Z001

Disk labelled in Japanese characters (approx.'TVJ4-4')
MIDWAY; DOT OF ROOM; TEXAS AREA; HUDSON COUNTRY; SNAKY; BLACK
JACK; UFO-GAME 1; BEAM CRUSH; plus other Japanese programs.

Disk labelled in Japanese characters (approx.'TVJ-4 No.2')
BAR GRAPH; TABLE GRAPH; ADDRESS BT-5X20; plus other Japanese programs.

Disk labelled TED068: UTILITY-80TR; AUTO RUN; MZ-1Z001; MAHJOHG;
STAR STREAM; CARD DATA; AA; HIST.GRPH; plus other Japanese programs.

Disk labelled ETC-1: Utility-80TR; AUTO RUN; MZ-1Z001;
THE DATUGOKU; HIST; TRAINING; TEST RUN; plus other Japanese programs.

Disk labelled YU-1: AUTO RUN; Filing CMT; UTILITY-80TR.

Disk label'd YU-2: UTILITY-80TR; Filing CMT; AUTO RUN; CD-LIST-ING

MZ-2000/MZ-2000 Tapes

F2 GRAND PRIX; COSMIC GUNNER; FLICKY; plus 5 others in Japanese.

'X1' Disk (3", as used by Amstrad 8256): CP/M 2.2 system

MZ-2500 Disk (3½" 80Tr.) MZ-2500 BASIC Master Disk MZ-6Z002
This disk contains programs for formatting and copying MZ-2500 disks (3½" or 5¼"), and various other small 'Utility' programs.

To it I have added BASIC KEYWORDS programs, and a special version of Tanswell's Disassembler (MZ-2500 DISASM v9) which can correctly list Z80 RST 3 and RST 5 commands followed by a parameter (e.g. DF 1A, EF 2B). It can also bank-switch specified blocks of MZ-2500 RAM/ROM in order to disassemble the code there. MZ-2500 DISASM v9 is executed by a special BASIC program called 'Run DISASM'.

(Special Page, compiled by the Chief Editor)

PC-7xxx and ZY-1000 ('PC TYPEWRITER') Library, March 2000

During 1986-1988 Sharp produced the PC-7xxx series of 'Luggable' and Desktop computers, and the ZY-1000 (alias PC-TYPEWRITER) which is a top-of-the-range Sharp Electronic Typewriter with the 'works' of a PC-7000A computer in its base unit and an LCD screen mounted high up, at eye level, on a post ! We have working examples of most of these machines, and we also have many of the original Sharp Manuals and Master Disks, so we are in a good position to offer support for this particular range of early Sharp PC's.

The PC-7000 is an 8086 mains-operated luggable with a 'normal' LCD screen, two 360K FD drives, and a single-voltage power pack which is overworked and therefore needs a fan, the speed of which changes audibly when the load on the power pack changes ! The PC-7000 came with MS-DOS 2.1A; the boot files are in the root directory, but the rest of the system is in sub-dir 'BIN'.

Superficially, the PC-7000A resembles the PC-7000; but it has a much better 'Supertwist' LCD screen and a more efficient power pack which does not need a fan and is switchable between 120V and 240V A.C. The PC-7000A came with MS-DOS 2.11 v.3-0B; on this master disk all the files are in the root directory.

The PC-7100 is based on the PC-7000A, but it has a 20MB Hard disk in place of one of the FD drives. We do not have a working example of this machine or a master disk, but we do have a Manual.

The PC-7221 is an 80286 mains-operated 'luggable' with two 1.2MB FD's, a 20MB Hard Card, and a 'supertwist' LCD screen. We have a semi-working PC-7221 which boots off floppy drive A.; using a PC-7500 boot disk; but its hard drive is inoperative, and we do not have an original master disk or a Manual. So at this moment we cannot offer specific support for the PC-7221; but it seems to run all PC-7500 software with no problems, which is logical, as Sharp marketed the PC-7221 and PC-7500 (see below) as a complementary pair of machines (one 'Luggable' and the other 'Desktop').

The PC-7500 is an 80286 'desktop' with two 1.2MB FD's and one (or two) 20MB hard Drives, and it came with MS-DOS 3.1. We do not have an original Sharp master disk for the PC-7500 but, thanks to the alert action of Mike Mallett in 1995, we have all its files, taken off Sharp's Technical BB before it went off-line. We have thus been able to reconstruct the disk; on it, the normal MS-DOS 3.1 system is complemented by a suite of Sharp diagnostic programs in a sub-directory called EDIAG, so we now have a fully-working PC-7500 with a 20MB hard Drive, running its original system.

The ZY-1000 or PC-TYPEWRITER came with MS-DOS 2.11 v3.0A i.e. virtually the same system as that used on the PC-7000A. It was supplied with a dedicated W.P. called 'SAMNA 1' on two 360K floppy disks. We have a working example of this machine, all 3 master disks, and the full Manual, including instructions for 'SAMNA 1'.

To summarise, we have MS-DOS master disks for the PC-7000, PC-7000A, PC-7500 and ZY-1000, and Manuals for the PC-7000, PC-7000A/7100, PC-7500 and ZY-1000. Also SAMNA 1 for the ZY-1000. If you need any of these, contact the Chief Editor in Weymouth.

PC Section Editor:
Mike Mallett

Tel:
Email:
or:



Editorial

Sharp haven't been busy recently - only the PC-A280 has been released since last year - no doubt there's more to come. It would be useful if there were some contributions however small to this section; these will even be accepted via e-mail.

I'm especially interested in Sharp's older pocket machines such as the PC-1600, so if you have of these or accessories that you want to sell just drop me a line.

Sharp UK 2000

The Sharp UK website is now back online at www.sharp.co.uk after a long break. There's a section on mobile computing as well for organisers and all their other consumer products; this section only mentions the PC-A250, PC-A280 and HC-4600, as these are currently the only products now available in the UK..

As I have explained later in this Section, the PC-A2xx series are very capable machines, but they don't offer much choice for someone looking for say an economy machine, or one with an integral floppy drive and CD. The HC-4600 is the last of the Windows CE handheld PC line up now that the 4100, 4200 and 4500 have gone, and even the HC-4600 is now down to limited stock. The Sharp handheld pro PV-5000 also seems to have disappeared. It is rumoured that all of the range are going to be replaced by an EPOC based system using the same OS as the Psion handhelds.

As far as support goes there are a few pages with contact details for Sharp and Sharpserv as well as an e-mail form. Unlike many of Sharp's overseas sites, there are not any download areas for files for such things as updates and patches. However Sharp have told me there is further work to be done on the site.

IBM Microdrive

It's hard to believe but IBM have managed to fit a 340 MB hard drive in a Compact Flash + card (only 42.8 x 36.4 x 5.0 mm).

The main problem with handheld computers has been the lack of mass storage; it looks as if this problem has been solved, but at a price (and a leap in battery use).

The device currently costs around £350 inc. VAT. There's also an adapter available to fit in the PCMCIA slot found in laptops and Windows CE machines such as the Sharp HC-4xxx. More info at:

<http://www.storage.ibm.com/microdrive>

PC Software Library

This information has appeared before but it also contains several updated points of general interest.

This section has its own library of public domain and shareware software available to members. This has been compiled from a large number of CD-ROMs, bulletin boards, magazine discs and the Net. I would not attempt to list them in the magazine as even part of the catalogue would fill up several discs ! It is best to 'phone or write with a rough idea of what you need. I can supply some partial catalogues on disc.

All this is available FREE to current members if you

- supply formatted and labelled quality floppy disks
- enclose return postage
- secure packing (ordinary envelopes are not strong enough)
- maximum of six discs at any one time

I can supply small files via e-mail where this is more economic.

As the software is for a wide range of machines it would be useful to know :

- Computer model
- CPU (086,286,386,486,586)
- available memory
- screen (colour/mono, MDA/HCG/CGA/EGA/VGA/SVGA)
- disk drives (Hard disk, floppies - 360K, 720k, 1.2mb, 1.44mb)
- version of DOS and Windows

I can handle disks in all the sizes shown above. The files are often in compressed format so a program such as PKUNZIP is needed. If you don't have the required utilities, just send an extra disc. A basic knowledge of PKUNZIP and DOS is needed.

The software is intended for IBM PC-compatibles, but some may be useful for generic MS DOS machines such as the PC-5000 and later MZ models. I can also supply CP/M software, and a large number of ASCII text files which can be viewed and printed on almost any machine; these would normally be on PC format discs but I can handle some other formats, or you may like to seek assistance from one of the specialists in the other Sharp machines.

I can download files from the Internet but would need to make a small charge to offset my online costs. I can also convert files from different formats and from CD for those users who do not have access to a CD reader - obviously only for smaller files !

I often have a few items of used commercial software suitable for older machines - just give me a call. There is also a small amount of software for the ZR-5xxx and the HC-4xxx; although you will need access to a PC to install this.

Remember, shareware programs require payment to the author if found useful.

IQ-8000 - by Mike Mallett

The Sharp IQ series has been mentioned in these pages in the past; so I was pleased when a recent advert in a local paper enabled me to pick up an IQ-8000 with PC link cable, software, and leather wallet, all for £15. I'm not sure of the exact date of the machine but its Manual is dated 1990, and it was off Sharp's list by 1994. (Incidentally, this series was called the OZ in some markets.)

The specification below shows that the IQ-8000 doesn't come up to its modern counterparts, but it is still useful, especially if you can find one at the right price. Data can be transferred to and from a desktop PC or other IQ or ZQ machine, and built-in terminal software allows connection to a standard modem, using an optional extra cable. And the optional thermal printer unit included an interface for a cassette recorder for data storage.

A range of applications was available, from Sharp and others, via the single IC-card slot; there were also RAM cards for the same slot. All of these devices were numbered IQ-7xx and IQ-8xx - but finding out which ones work in this machine or the other IQ models such as the 7000, 8920 and 9000 is rather a complicated subject !

Of course, filling up with batteries is likely to be expensive.

The CE-133T cable is very handy as it also suits other Sharp organisers such as the ZR-5xxx (which just happens to fit nicely in the leather wallet). Data may well be compatible with later Sharp machines of this type, but I haven't tested this yet.

Do let me know if you come across any other IQ machines, or any of the accessories listed below. See illustration on inside front cover.

IQ-8000 Specification

Display - 40 x 8 text, 240 x 64 graphics
Functions - telephone, schedule, calendar, anniversary, business card, memo, calculator, data transfer, world clock
Memory - 64K (user area approx. 64K)
Power - main 4 x lithium CR2032, backup 1 x CR2032, 0.12W
Interface - 4 pin for IQ-IQ or printer, 15 pin for PC link
Dimensions - 179 x 97 x 19.8 mm Weight 290g
Manual - A5 232 pages 1992 price - £200

The IQ-8200 is the same except it has 128K RAM and cost £260.

Options (prices from Sharp May 1994 and include VAT):

IC application RAM cards (32, 64, 128 or 256 K) (£33-£180)
CE-50P printer (with cassette recorder interface) (£130)
EA-1250P thermal paper
CE-200L, CE-300L IQ or ZQ link cables (£20)
CE-130T modem link cable
CE-131, CE-133T PC link (£55)
IQ-892 OLII PC link software (£37)
IQ-893 OLII Mac link software (£35)
IC-CA02 leather wallet (£37)
CE-76BC external battery case (6 x AAA)

PC-9070 - upgrading the hard drive

The PC-9070 came with a 1 Gb drive, but I'm looking at doing an upgrade. The following information may be of use :

Date: Sat, 08 Jan 2000 23:26:49 -0800
From: Haral Tsitsivas, UniSolutions Associates (<http://www.unisol.com/>)
Voice:
E-mail:

Re upgrading the Sharp PC-9070:

I bought a 4.3 gb which I have formatted successfully but I haven't installed the software - having to use the 50 disks put me off ... so I called Sharp support and they pointed me to a driver on their web site which allows you to create a boot floppy that recognizes the CDROM. Then you can install whatever you want (Windows or Linux) from the CD.

If I remember correctly I went to <http://www.sharp-usa.com>, visited their products->notebooks-> search knowledge base and asked for "cdrom" for PC-9070, and it found some support drivers.

The name of the file is 9000sbd.exe. Search for the empty string in the drivers category for PC9000 (setup boot disk).

Let me know if you have trouble find the driver...

Modems on the HC-4xxx

Although the HC-4xxx Windows CE machines have a standard PCMCIA type II slot, don't assume they can take any card modem. I have tried a few that worked OK in a laptop but not in the HC ! The fact that few modems seem to list WinCE compatibility is only one part of the problem, but I haven't found an explanation for this.

At the end of 1999 the Sharp UK Customer Information Centre sent me the following list of 'compatible card modems':

Motorola	Montana 33.6 (36.6K)
Pretec	Modem 14.4V (14.4K)
Megahertz	XJ3288-81 (28.8K) XJ/CC1560 (56K)
Apex	RIP/CAA-RC144ACL
GVC	F-1114PV (14.4K)
Microlin	NB32Plus (14.4K)
Smart	ST1414L (14.4K)
Fury	Fury Card (14.4K)

Not a wide choice, and there is only one of the newer 56k modems ! Ray Hedley of Handhelds Direct told me has he problems in sourcing modems, even if a particular model works, later batches don't !

The only advice I can give is try before you buy. Fortunately I was offered a secondhand Billionton 56k modem. This actually worked on the HC-4600 and I snapped it up for only £20!

Of course all this would be avoided if Sharp had included the 33k6 modem which is built in to the US model ...

Uncle Roger's Computers

From www.sinasohn.com/clascomp (Roger Sinasohn)

I met my first computer, a DEC PDP-11/70, in 1981, and I've been hooked ever since. I got a computer of my own, an Atari 600XL, in 1982-3. I got my first Laptop, a Radio Shack Model 100 in 1984.

When I made the formal decision to begin collecting computers, I decided to collect portables, and computers I had lusted after. After considering these criteria, and the computers that fit them, I realized they were pretty much the same. Here then, are some of those computers:

(Chief Ed. - At this point there followed a list of around 200 computers, including 1 Apricot, 3 Amstrad, 12 Apple, 6 Atari, 1 Commodore, 5 Compaq, 3 Data General, 4 Epson, 2 Gavilan, 13 GRiD, 7 Hewlett-Packard, 6 IBM, 4 Kaypro, 9 NEC, 2 Olivetti, 3 Osborne, 2 Panasonic, 10 Tandy, 3 Texas, 13 Toshiba, 1 Wang, 1 Xerox, 5 Zenith, and 7 Sharp computers; I have edited the list down to the 7 Sharps, and follow it with the original author's comments on the Sharp PC-5000)

Sharp PC-1500A
Sharp PC-4000
Sharp PC-4500
Sharp PC-4600
Sharp PC-5000
Sharp PC-7000
Sharp PC-7100

From Sharp minds come Sharp products

The Sharp PC-5000 is very likely the second clamshell-style portable computer, and the first to be introduced by a private, non-governmentally funded corporation.

It followed the GRiD Compass (the first clamshell) and was announced at the same time or prior to the better-known Gavilan (which is occasionally misrepresented as the first).

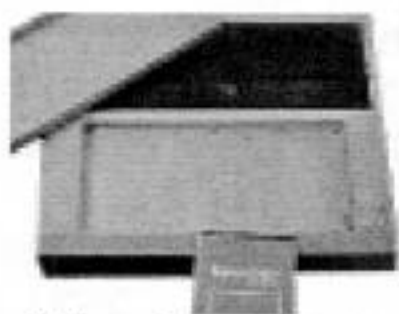
The PC-5000 actually matched the Gavilan as far as innovations were concerned. Like the Gavilan, the Sharp used removable memory cartridges, but relied on bubble memory (as used in the Compass) rather than batteries like the Gavilan. The Gavilan offered a portable printer as an option; it connected to the rear of the computer. Likewise, the Sharp has an internal compartment to install a thermal printer. The Gavilan only offered a 66 column screen, but the Sharp featured a full 80 column display. (Both machines showed 8 lines of data initially.)

The Sharp PC-5000 is, unfortunately, much less known than its competitors. I am very glad to have had the opportunity to learn about it and add an example to my collection.

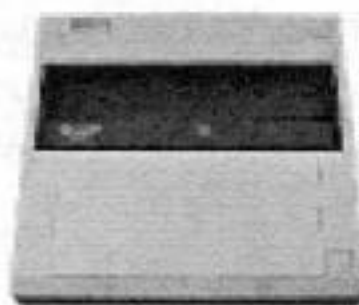
The Sharp PC-5000



The Logo



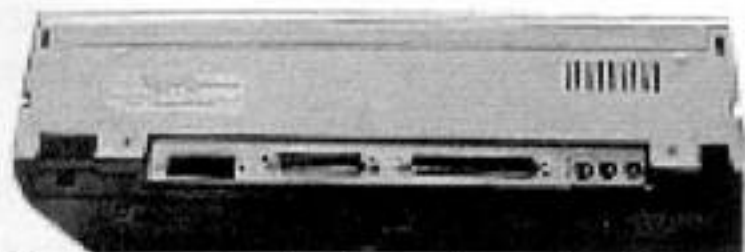
The storage area



The printer compartment



Bubble Memory Cartridge and slot



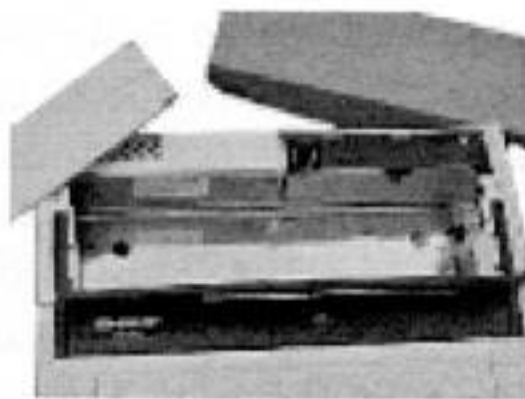
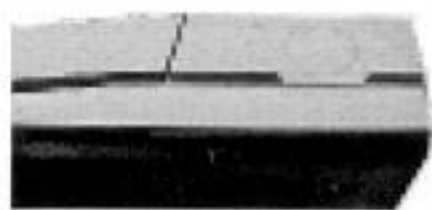
The rear controls and ports. From Left to Right and Top to Bottom, The power switch, the charging/operation switch, the proprietary serial port, the RS-232C port, the Bus Expansion port, the cassette recorder ports (earphone, microphone, and remote,) and the power connector.



The Sharp PC-5000 in all its glory



The left side. Note the cut-outs for the printer controls, and the contrast and volume control wheels along the bottom edge.



The belly of the beast. Note the speaker grill and the two memory expansion drawer covers on the upper right.

Mfr: Sharp, New Jersey, USA ; Model: PC-5000 ; Introduced 1983

Processor: 8088 (the Manual mentions a second Control CPU, but identifies it only as an '8-bit processor')

Op. Sys: MS-DOS 2.00 (Sharp 'look-alike', not 100% IBM-compatible)

RAM: Min 128K, Max 256K (+ 128K plug-in Bubble Memory Cartridge)

ROM: 192K (System 64K, Skeleton MS-DOS 64K, BASIC 64K)

Display: 8 lines x 80 columns LCD

Serial Ports: 1 proprietary, 1 RS-232C

Other: Ear/Mic/Rem Cassette

Expansion; CE-501F External 5¼" FD's; CE-510P Thermal Printer

Size: 12.8"x12"x3.4" (326mmx305mmx87.5mm) Weight: 9.48lbs (4.3kg)

Voltage: 12V DC, 850mA

Resources : Sharp Users Club, England (see note below).

Editor's Note: The PC-5000 was reviewed in PCW May 1984. The full MS-DOS 2.00 system CE-101F came only as an optional extra on a 5¼" disk. The S.U.C has a working example of the PC-5000 with Bubbles for SUPERWRITER EXECUTIVE, SUPERCALC 2 and SUPERCOMM (communications), and 5¼" disks for CE-101F and an expanded version of SUPERWRITER EXECUTIVE (see 15/1 p.63 and 15/2 p.44).

Sharp PC-A280 The UltraLite Notebook PC

Following on from the PC-A250 which was covered last time, Sharp have now announced (on Friday, October 22, 1999):

This month Sharp launches the 4th in its award-winning series of UltraLite notebook PCs: the PC-A280. Following the success of the PC-A250, the new UltraLite features Intel's Mobile Pentium II 366 MHz processor and a 25% increase in hard drive storage capacity.

Designed for the mobile executive, the PC-A280 offers essential communication features including an integrated V90 modem, enabling simple e-mail and World Wide Web access. The PC-A280 also boasts a built-in 10/100 Base-TX Ethernet LAN, which allows users to access their Corporate networks without the need for a PC card.

Available in the UK late October, this stylish machine provides performance without compromise, equipped with 64MB of SDRAM (expandable to 128MB) an 8.1GB hard drive and 256 KB on-die cache.

Tom Satterthwaite, PC Product Marketing Manager comments:

"Evolving technologies in mobile computing are pushing the boundaries of communications, enabling users to work in a truly flexible manner. Notebook PCs are playing an important role in this, especially in the corporate environment where we're seeing a greater use of alternative working practices, including hot-desk operations and corporate users who work from home on a regular basis. The PC-A280 is a perfect solution for mobile executives who require optimum functionality in a stylish package. The Sharp UltraLite concept has been particularly well received and we're looking forward to growing our business with the PC-A280."

The PC-A280 comes with two built-in USB ports, a VGA external monitor port, a Type II PC card slot and a Fast IrDA infrared port. Also an external port replicator and FDD combo unit that includes a serial port, parallel port and a PS/2 mouse/keyboard port for easy desktop connections. An optional CD-ROM drive is available for loading software or running multimedia presentations and other applications; it runs at a power-efficient 12-speed (max), powered by the main unit's battery.

A world leader in LCD technology, Sharp sets new standards in screen quality, clearly demonstrated by the PC-A280's Anti-Glare Anti-Reflection (AGAR), 11.3-inch SVGA-compatible (800 x 600 pixel) BLACK TFT LCD, which displays 16,777,216 colours* and lessens screen reflection, giving crystal-clear stable display of images and text, even in bright outdoor settings. It is also larger than screens on many comparably sized notebook PCs and can be viewed clearly, even from extreme angles.

The PC-A280 offers heat pipe technology to dissipate heat from the processor, reducing warming effects on the unit and enabling the use of Intel's latest generation mobile PII processor. This eliminates the need for a cooling fan and means quieter operation. The Lithium-Ion battery provides almost two hours of continuous computing power for the mobile user on the move. Also available as an optional extra is the hot-swappable External Lithium-Ion battery, which provides up to a total of 6 hours computing power.

The PC-A280 UltraLite will be supported by a three year courier collect and return UK warranty**; there is also a one year International Limited warranty**. In addition a one year bundled software support plus LCD and battery cover are also included. Prices are determined by the reseller and may vary.

Customer information contact tel: 0800 262 958

The UltraLite PC-A250 is one of several mobile products recently launched by Sharp in the UK. As world leaders in mobile computing and communications, Sharp concentrate on the convergence of communications and information technologies, in order to provide a range of products to meet the varying demands of the mobile user.

Features - Specifications - Details

CPU 466 MHz Mobile Pentium II
Flash EPROM, Includes System & VGA BIOS
LCD Active Matrix Anti-Glare Size 11.3"
Resolution 800 x 600 Internal
Video Controller Trident Cyber 9525 DVD3D Acceleration
Video Memory 2.5MB SDRAM 16 Million True Color
Standard Memory 64MB SDRAM Upgradeable to 128MB Max.
Floppy Disk Drive 3½"/1.44 MB/720KB External with Port Replicator
Hard Disk Drive 8.1 GB
CD-ROM Drive (Optional)
Modem 56.6Kbps V.90
Audio System 16-Bit Stereo Sound SoundBlaster Pro Compatible, mono Speaker, mono Microphone
PC-Card (PCMCIA) Slot 1 Type II Card Bus Support
Infrared Communication High Speed IrDA or ASK 4Mbps IrDA 1.1
Keyboard 17 mm pitch
Pointing Device GlidePad
I/O Ports(Main Unit) 2 Universal Serial Bus (USB), Floppy Disk Drive Port, VGA Monitor Port, Stereo In, Stereo Out, Microphone, Infrared, Modem, A/C input
I/O Ports (FDD) Serial, Parallel, PS/2
Battery Li-Ion Up to 2 Hours (approx.)
External Battery (Optional) Li-Ion Adds up to 4.5 Hours
A/C Adapter External 100-240V, 50/60Hz AC
Software Preinstalled Windows 98 2ed, LapLink Pro, Internet Explorer 5, utilities
Accessories: External Li-Ion Battery Pack CE-BL03
CD-ROM Drive/PC card CD-CD01
64 mb RAM upgrade CE-ME64A
Size: 10.4"x 8.3"x 0.83"(F)/1.02"(R) 263mm x 212mm x 21/31mm
Weight: 1.4 kg

Current pricing as advertised by Software Warehouse inc.VAT:

PC-A280 64 MB	£ 1655.58
PC-A280 64 MB + CD	£ 1821.25
PC-A280 128 MB	£ 1855.33
PC-A280 128 MB + CD	£ 2019.83

Both the A250 and A280 have been reviewed in the leading computer magazines. They are now the only two notebooks offered by Sharp in the UK; other makers offer models with integral CD ROM and floppy drives, although there is of course a size and weight penalty.

(Karl-Heinz 6 Jan 2000)

Hello friends, please note the following changes and improvements:

Email: Please send your emails to



SHARPIes can send their emails to: sharpmz@computingmuseum.com

PLEASE NOTE that my old email address @t-onlin.de is no longer available and no longer active.

Homepage: Please use the following URL to visit my pages:

<http://www.sharpmz.computingmuseum.com>
<http://sharpmz.computingmuseum.com>

Don't use <http://www.zock.com/khm> (well, you can, but you will only be directed to the first address shown above).

In the next couple of weeks I shall be moving job and house, so it will probably be 2-3 months before I shall be able to carry out any further updates to my homepage, and it may also take me some time to answer your emails. Please bear with me over this.

However, some significant changes have already been made:

A new and comprehensive statistic about 500 KBytes is available now by a click on the logo of Webtrends at the left side of my banner. Thanks to Thierry Schembri/France to this and for making available the space for my pages on his server. Please take note of his famous Internet Computing Museum, which is at:

<http://www.computingmuseum.com>

It contains tons of stuff, some about Japanese homecomputers !

I changed the background for the guest book, the banner frame and the menu frame. You can now jump by a click from the bottom to the top of each page. And you can download now each page completely by a click from the bottom of each page.

Information about the Monitor of S-Basic 1Z-013B available now at
<http://sharpmz.computingmuseum.com>

Please note the new link to The National Center for Missing and Exploited Children at
<http://sharpmz.computingmuseum.com/links.htm>

This link will be activated only if your browser is able to execute a JAVA applet.

The emulator by Michael Franzen/Germany is available again for download now at
<http://sharpmz.computingmuseum.com/download.htm>

There is a real Windows version now available too. It can emulate MZ700, MZ80K, Spectrum, ZX81, Invader, LunarR, and Rolling.

Please contact the author to report a bug or for hints of an improvement at:

Programs which will be available for download soon are:

Solo BASIC; OM 500; OM1001; KUMA Interpreter; BASIC 5Z-008 (QD);
S-Basic 1Z-016 (MZ-800); Tape Copy; C-Master; Sub-Monitor-700;
Nautic Crisis; 3D-Space-Control; Stoneworld; MZ-700 Assembler.

I will email you to let you know when it will become possible to download these files. Information about the Quick Disc drive, the downloadable emulators, and the Basic interpreters will follow.

With kind regards, Karl-Heinz /Germany

WIN CE Tips

Newsgroups: microsoft.public.windowsce
Subject: Re: DOS emulator for Win CE ? Date: Sun 5 Dec 1999

In article
"antmon-1" wrote:

I heard of a program called XT-CE that puts DOS on your Win CE machine. Does anyone know where I can find it and is it any good? I think it would be kinda neat to play Pirates Gold on my Casio!!!

Hi, You can find XT-CE at: <www.xt-ce.com>. Most people say it's good for what it does; there is at least one user who is very vocal about his dislikes but I think that this has more to do with personal differences between the program's author and himself. But you should also consider PocketDOS, which you will be able to find at <www.pocketdos.com> within the next week or two (it's currently still in Beta). It's similar to XT-CE, but is aimed squarely at providing DOS 6.22 compatibility whereas XT-CE is aimed at providing a more general purpose PC/XT emulation (it requires you to provide your own operating system).

Hope this helps, Jack

Ziff-Davis' ZDNet CE Downloads is a collection of more than 800 software titles covering a wide range of interests, see:

<http://www.microsoft.com/windowsce/products/tips/news/sw.asp>

Spectrum emulator for Windows CE

Try: <http://www.palmtop.nl/ce/ppc_spectrum.html> - a Spectrum Emulator 48K & 128K (& FreeWare) for Win CE Devices - YIPPEE!

Regards, TIDDY

The Zaurus ZR-3000 in the U.S.A.

Although the ZR line finished a few years ago with the ZR-5700 and ZR-5800, the ZR-3000 was until recently available in the USA; it is similar to other models but lacks the PCMCIA slot.

At one point the ZR-3000 was being sold off for \$50 ! The later ZR-3500 included a built in 14400 data/9600 fax modem - but the entire ZR range has now been discontinued in the USA.

Zaurus - More discussion from USENET

From: "bagelsNbrew" <NoSpamToday@Please.org>

Newsgroups: comp.sys.palmtops

Subject: Re: Sharp Zaurus-3000

Date: Mon, 17 Jan 2000 15:19:53 -0500

I had a Zaurus 5000 and when that broke a 5800. The database's are very configurable and the note pad works well. With notes, always remember to save the note before you go to another app or shut off the machine or occasionally the open note will disappear. Sharp had an outstanding design they could have built on, unfortunately their customer service sucks and they insisted on keeping the OS closed so no one could write apps without the sdk and they didn't release a sdk till the Zaurus was all but dead. As for its uses - appointment calendar, contact database (or any flat database), note pad, alarm clock, calculator. I used to have a list of links for the Zaurus but all except for the Sharp page are dead and even the "Almighty Zaurus Discussion Page" is now a porn page(????). The ZR-3000 is definitely worth \$50, enjoy!

John Cristion" writes:

I know that the Sharp unit is not in the same range as most of the systems mentioned in the NG, but I was wondering who, if any, has had any experience with this unit. I picked it up for \$50 as a toy this Christmas and would like to know what y' all think about the system and its potential uses.

Thanks,

John Cristion, The Johns Hopkins University, Applied Physics Lab.

Z-Em@ail settings for Freeserve

As I mentioned last time, although the ZR-5700 and 5800 came with built in software for accessing Compuserve, Rupp's Z-Em@ail allows access to alternative ISPs. This comes with profiles for some US ISPs but how to set this up for UK ISPs is not obvious.

I have discovered how to set it up to Freeserve; my method assumes that you are already set up on a PC with ID and password - it is too long to present in full in this issue, but if you are interested I would be pleased to tell you how it can be done (my address is at the start of this Section - Mike Mallett).





MZ-2200



MZ-5500

SHARP USERS CLUB

