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REDAKTIONELT

BULLETIN-BOARD

Vores Bulletin-Board har desværre været plaget af driftsforstyrrelser 2-3 uger i september/oktober. Når dette læses, er der derfor installeret en ny maskine med 2 harddiske på ialt 90 Mbyte, så der burde nu være plads nok et stykke tid endnu. I forbindelse med skift af maskine er der ryddet op i brugerlisten, således at alle påny skal logge ind som "nye" brugere. Medlemmer vil herefter i løbet af kort tid blive opdateret til samme rettigheder som tidligere. Oprydningen skyldes primært, at brugerlisten efterhånden var temmelig stor. Samtidig med oprydningen skelnes der nu mellem medlemmer og ikke-medlemmer, således at førstnævnte ikke automatisk bliver slettet såfremt de ikke har været "på boardet" i længere tid.

MINIX

Bemærk artiklen om MINIX, selvom den er placeret bagerst i bladet. Artiklen er en optakt til det ene af møderne i November, hvor Mikkel Moulvad vil fortælle lidt om hvad MINIX er og om hvordan han har fået MINIX op at køre på en PC.

STOF TIL BLADET

Som det ses er der i dette nummer blevet rigeligt plads til volume-listninger. Vi har tdiligere udskudt blad-udgivelse, såfremt der ikke var stof nok, men vil altså fremover forsøge at udkomme mere regelmæssigt og så fylde op med volume-listninger (dette er en slet skjult opfordring om at gribe pennen og skrive). Vi har overvejet at lave en spørge-brevkasse, men ved ikke om der er interesse for dette. Har du et problem med DOS el andet, så skriv. Det kunne jo være der var andre med samme problem.

Leif Olsen

RYGTER

SET OG HØRT

En ny standard for FORTRAN er undervejs. Den første kom i 1966, og blev derfor kaldt FORTRAN 66. Så fulgte FORTRAN 77, og det kunne have været meget passende med en FORTRAN 88. Men det bliver ikke til noget. Der vil gå mindst 2 år endnu, før man er færdige. Forsinkelsen skyldes bl.a. at japanerne og kineserne vil have deres alfabeter med ind i standarden, der så må indeholde karakter-sæt med 16 bit's størrelse. Så når den nye standard endelig kommer, kan vi tilgængæld skrive programmerne på kinesisk.

Amstrad PC 1640 er kommet til Danmark. Det er i grunden samme maskine som den gamle Sir Charles PC 1512, men den nye maskine er, som navnet antyder, udstyret med 640K RAM. Største forbedring i forhold til den gamle maskine er dog, at den leveres med EGA farvekort og ditto skærm. Som den gamle model fås den i 3 forskellige udgaver: med et 360K diskettedrev, med to 360K diskettedrev, og endelig med 20M harddisk og 360K diskettedrev. Prisen er henholdsvis 12.000, 14.000 og 18.000 kr excl. moms.

Samtidig introducerer Amstrad PCW 9512, der er baseret på Z80 og CP/M Plus. Der er altså tale om en afløser for Joyce. Den nye maskine er udstyret med en skærm i paper-white, der kan vise 32 linier a' 90 karakterer. Endelig er tastatur og tekstbehandlingsprogrammet LogoScript blevet forbedret. Maskinen sælges sammen med en typehjulsskriver for knapt 8.000 kr.

Regnecentralen er kommet med en PC kompatibel 80386 maskine. RC 900, som den nye maskine er blevet døbt, vil komme i 4 forskellige modeller. Den billigste er "blot" en hurtig AT-kompatibel maskine med en 80386, 8 AT-slots, plads til 16M RAM, 15" EGA-farveskærm og en harddisk, pris omkring 60.000 kr. Der kan næppe være mange penge at tjene på dette marked, der allerede er ved at være godt overfyldt, så RC satser derfor nok mere på de lidt større maskiner, der er beregnet til UNIX. Det er samme grundmodel som den lille model, men ved at indsætte en række intelligente I/O kort med 80186 processorer, kan man styre op til 17 brugere under UNIX V.3.

Det nærmest vrimler med nye styresystemer til PC'erne for tiden. Det startede med at IBM den 2. april annoncerede OS/2 som deres eget nyudviklede styresystem. Det viste sig hurtigt at være en overdrivelse. Det var rent faktisk Microsoft, der havde udviklet det, og Microsoft ville komme med en version i eget navn. OS/2 kommer dog først på markedet i 1. kvartal 1988 og så kun i en skrabet udgave. Den "rigtige" version (som vil blive kaldt version 1.1) er der endnu ingen, der har sagt, hvornår kommer, men der er blevet spekuleret på 4. kvartal 1988. Det der især vil skille version 1.1 fra 1.0 er brugerinterfacet. På 1.0 kører man videre med det gammelkendte tekstbaserede interface med DIR, COPY og hvad de ellers hedder, men i 1.1 er brugerinterfacet grafisk a'la Windows.

OS/2 kommer i første omgang kun i en version til 80286, men Microsoft annoncerede i sidste uge af september Windows/386, der skal udfylde huller indtil OS/2 til 80386 er klar. Windows/386 giver mulighed for at udnytte 80386's specielle "Virtual 86" mode til afvikling af alm DOS-programmer. Med Windows/386 kan der opnås "ægte" multitasking for alm. DOS-programmer, der enten kan vises hver for sig (i full-screen) eller i vinduer sammen med andre DOS-programmer.

Digital Research har heller ikke ligget på den lade side. De kommer med DOS 386 og en ny GEM til 80386 maskinerne.

Og midt i dette virvar af styresystemer kommer ICL så på banen med noget de kalder DOS 4.1. Der er tale om en MS-DOS version 4.1, som Microsoft har udviklet med eneret for ICL. Det er et single-bruger multitasking styresystem, der skulle være istand til at lave multitasking med standard DOS-programmer. Hvordan det kan lade sig gøre får indtil videre stå hen i det uvisse - end ikke OS/2 kan klare den opgave. Indtil videre sælges 4.1 kun sammen med ICL's nye PWS arbejdsstation, der er baseret på 80286, og iøvrigt er AT-kompatibel.

640K grænsen i DOS har længe været en hæmsko. For et par år siden udviklede Lotus, Intel og Microsoft EMS (Expanded Memory Specification), der gør det muligt at udnytte op til 8M RAM ved gøre det tilgængeligt for programmerne lidt ad gangen i 4 blokke a' 16K. Der er altså nærmest tale om BANK-switching som vi kender det fra CP/M Plus. Nu er der kommet en version 4.0 af den software der styrer det hele. Den giver mulighed for:

- Op til 32M RAM.
- Spreadsheets kan anvende expanded memory mere effektivt.
- Residente programmer som SideKick kan arbejde fra expanded memory, så det normale programområde friholdes til egentlige programmer.
- Beslægtede programmer kan udveksle data, ved at deles om samme areal i expanded memory.
- Flere programmer kan anvende expanded memory samtidigt med en bedre performance.

Intels AboveBoard leveres med EMS 4.0. Hvis man køber fra andre fabrikanter vil nok være en god ide at sikre sig, at det kan køre EMS 4.0

PolyData Distribution vil have salgshallene i vejret for Borland produkterne. Derfor vil der i 60 computershops, fotohandlere og boglader ved højre læreanstalter i oktober blive opstillet specielle "displays" med alle Borland produkterne. Det er helt samme koncept, som man bruger til at sælge småkager hos supermarkedet.

En af medstifterne i MPS Brugergruppen, Allan Gerholt, er ifølge Computer World blevet ansat som systemkonsulent hos TMS-Gruppen.

WordPerfect kommer i februar i en ny version. Udover, at den bliver hurtigere end den eksisterende version 4.2, kommer den til at indeholde faciliteter, som vil kunne tilfredsstille 80-90 pct. af brugernes behov for Desktop Publishing.

Jørgen Petersen

BIBLIOTEKET

CP/M biblioteket.

Selvom det er et lille stykke tid siden, der er kommet nye volumes i CP/M biblioteket, kører det selvfølgelig videre. Jeg kan levere disketter i de fleste CP/M formater, men foretrækker formaterne til MPS-2000.

For hvert volume betales 30,- kr i kopifgift. Skal man have volumes i MPS-formaterne, kan man desuden købe disketter til 20,- kr pr. stk. Ved alle andre formater skal man medsende nyformaterede disketter. Jeg kan godt nok formatere de fleste CP/M formater, men det er mere sikkert, hvis man selv formaterer dem. Kun et volume på hver diskette. Lad være med at betale på forhånd. Jeg er gået over til at vedlægge et girokort, når jeg sender disketterne.

Vi har fundet nogle billige, neutrale disketter i en kvalitet, som vi kan stå inde for. De sælges til 150,- kr for 25 stk. Man får ingen kasser med til den pris, men der er dog labels og skrivebeskyttelsesmærker. Jeg har efterhånden brugt en del af dem, og har ikke haft nogen dårlige disketter. De er relativt stive i det, og kører helt lydløst rundt inde i drevet. De kan uden problemer benyttes til 80 spors dobbeltsidet, selv om de egentlig er beregnet til PC formatet.

Jeg sælger stadig CIS farvede disketter i en nydelig plastikkasse til 120,- pr. 10 stk.

Når der sælges blanke disketter lægges der 20,- i porto til hver ordre.

Jørgen Petersen

This disk contains a set of utility programs for keeping track of your favorite recepies, and a dbaseII rolodex filing system.

DDCAL COM Appointment book utility (like sidekick's)
PCRECIPE DOC Documentation for PCRECIPE.EXE program
PCRECIPE EXE A recipe filing system
PCYEARBK DOC Documentation for PCYEARBK.EXE program
PCYEARBK EXE An appointment book system
ROL???? COM A name and address system - rolodex simulator (for dbaseII)
several files
TELEPHONE COM A telephone book and dialer (must have modem)

This disk is chock full of very useful sets of utility programs and systems that enhance and simplify the sometimes obscure ms/pc-dos operating system command structure. There are also utility programs that provide functions that are not available in 'plain vanilla' dos.

1DIR	COM	A sample of this 'wonder' dos shell program
BWVID	ASM	Source code of the BWVID.COM program
BWVID	COM	A program that stops a composite monitor from putting out Colors, displaying shades of grey instead
BWVID	DOC	Documentation of the BWVID.COM program
CED	COM	Command editor (expanded dosedit) - command line editing facility - many useful functions
CED	DOC	Documentation for the CED.COM program
COMMENT	DOC	Documentation for the COMMENT.SYS device driver
COMMENT	SYS	An ms/pc-dos 2.0(+) device driver whose function is simply to echo strings to the standard output device
DW	COM	Diskwipe - totally erases a diskette to its virgin state
DW	DOC	Documentation for DW.COM program
FASTFMT	LBR	Fast format utility system - formats diskettes using both disk drives; has safety features; auto labelling sequence
FASTFMT	TXT	Text file explaining how to unscramble FASTFMT.LBR into a usable system - the process is completely automated
LU	EXE	A library unscramble program - used by the fastfmt and scren2 systems
MEMINIT	EXE	Sets memory switches; speed up power on
PARTNER	COM	Ram resident utility program which provides a set of disk and directory maintenance facilities available from inside running application programs at the touch of a key. Requires a color graphics adapter.
PARTNER	DOC	Documentation for the PARTNER.COM program
PC-STAT	COM	Diplays system status - both hardware & software config.
PCPF	COM	A session manager - replaces bare dos prompt with a friendly display panel
PCPF	DOC	Documentation for the PCPF.COM program
POPALARM	DOC	Documentation for the POPALARM.EXE program
POPALARM	EXE	Bellsoft's alarm clock program - some nice features
SCREN2	LBR	Screen image editor and utility; program dos menus; graphics control
SCREN2	TXT	Text file explaining how to unscramble SCREN2.LBR into a usable system - the process is completely automated
SETBW40	COM	Used with BWVID.COM-DOES the same thing as dos's mode bw40
SETBW80	COM	Used with BWVID.COM-DOES the same thing as dos's mode bw80
UNSQ	COM	Unsqueeze utility. Restores squeezed files. Used by scren2 and fastfmt systems above

Here's a gold mine of information about running copy-protected and 'key-disk' programs from your hard disk, or to save your original as backup. Generally these are step-by-step detailed instructions to walk thru a debug session that will allow easier use of over 30 of the most popular copy-protected software products. Also included are programs to make your disk files 'read-only' and back to 'read-write' (including basic programs saved with protection).

ALTER	COM	Program to allow user to change file attributes (hidden/Read-only/system/normal/archive)
ALTER	DOC	Documentation for ALTER.COM program
CHARTMAS	UNP	Procedure on how to unprotect chartmaster V6.04
COPYALL	COM	Disk-saver program : copies most diskettes
COPYPC	COM	A more intelligent alternative to dos diskcopy program
COPYPC	DOC	Documentation for COPYPC.COM program
DB3V21	BAT	Batch file to unprotect dbaseiii vers. 1.0, edition 1
DB3V21	BIN	Overlay file needed by DB3V21.BAT
DB3V30	BAT	Batch file to unprotect dbaseiii vers. 1.0, edition 2
DB3V30	BIN	Overlay file needed by DB3V30.BAT
DB3V30	DOC	Documentation for all DB3???.* unprotection methods
DB3ZAP	BAT	Batch file to provide an executable backup copy of dbaseiii
DB3ZAP	BIN	Overlay file needed by DB3ZAP.BAT
DB3ZAP	DOC	Documentation for DB3ZAP.BAT
DOUBLDOS	UNP	Instructions on how to unprotect the doubledos softguard copy protection scheme
DSAVER	COM	Disk-saver vers. R2.01 - copies diskettes
DUPE	EXE	Backup utility
ENABLE	UNP	Procedure to unprotect the enable V1.0 integrated package
EXECUVSN	UNP	Procedure to unprotect the execuvison graphics package
EZWRITR	UNP	Procedure to unprotect ezwriter 1.1
FLTSIM	CPY	Procedure to make backup of microsoft flight simulator 1.00
FLTSIM	UNP	Procedure to unprotect microsoft flight simulator V1.00
FOCUSNEW	UNP	Procedure to eliminate need for 'activator' disk in a-drive for pc-focus
FRMWK1	BAT	Batch file to make executable backup copy of framework 1.0
FRMWK1	DOC	Documentation for backup of framework V1.0
FRMWK1	UNP	To create executable backup copy of framework V1.0
GRAFWRTR	UNP	Procedure to unprotect graphwriter V4.21
INFOCOM	COM	Utility programs to operate on infocom games (zork) - copy/unprotect/vocabulary decoder
INFOCOM	DOC	Documentation for use of INFOCOM.COM program
LAYOUT	UNP	Procedure to unprotect layout program
LOAD-US	COM	Utility program to allow running lotus 1-2-3 & symphony directly from hard disk without system disk in a-drive
LOAD-US	DOC	Documentation for use of LOAD-US.COM program
LOADCALC	UNP	Procedure to create a backup copy of loadcalc V4.13
MANY	UNP	Procedure to unprotect dbaseiii V1.1 (bypass softguard protection scheme)
MEMSHIFT	UNP	Procedure to unprotect memory/shift program

MLINK206 UNP Procedure to unprotect multilink V2.06 and allow direct hard-disk boot

MOD123 COM Procedure to unprotect lotus 1-2-3

MOD123 DOC Directions for use of MOD123.COM program

MS2 UNP How to unprotect memory/shift V2.1

123STAR UNP Procedure to unprotect lotus 1-2-3 release 1a*

NEW123 UNP Procedure to unprotect lotus 1-2-3 release 1a

NEW123UN V1A Procedure to unprotect lotus 1-2-3 release 1a

PCDRAW UNP Procedure to unprotect pc-draw

PCDRAW14 UNP Procedure to unprotect pc-draw V1.4

PCM UNP Procedure to unprotect ibm personal communications manager

PFS UNP Procedure to unprotect pfs-file, pfs-report, pfs-write

PFS-ZAP UNP Procedure to zap pfs-file & pfs-report to allow running on hard-disk without key disk in a-drive

PFSFILE UNP Procedure to unprotect pfs-file & pfs-report

PRODWN TXT Patches to allow prokey V3.0 to run with sidekick

PROKEY COM Program referred to as part of procedure in PRODWN.TXT

PROKEY30 UNP Procedure to unprotect prokey V3.0

RB4000 UNP Procedure to unprotect rbase 4000 V1.11

READONLY COM Program to make a file read-only to protect from accidental erasure

READONLY DOC Documentation for READONLY.COM

READWRIT COM Program to reset read-only files to read/write and allow erasure

READWRIT DOC Documentation for READWRIT.COM

SDKIK UNP Procedure to unprotect sidekick V1.10A

SIGNMAST UNP Procedure to unprotect signmaster V5.04

SK UNP Procedure to unprotect sidekick V1.00A

SK11C UNP Procedure to unprotect sidekick V1.11C

SYMPH COM Program to allow running symphony from hard disk without key floppy in a-drive

SYMPH DOC Documentation for SYMPHONY.COM program

SYMPHONY UNP Procedure to patch symphony to allow it to run without master disk

SYMPHONY UP2 Same as SYMPHONY.UNP - simpler instructions

TIMER SK Patch to fix sidekick/dos PRINT.COM conflict

TM UNP Procedure to unprotect ibm time manager (80 col, V1.00)

TRIVIA UNP Procedure to unprotect trivia fever (game & demo disks)

ULTIMA UNP Procedure to unprotect ultima ii, prokey 3.0 & COM-files

UNP123 TXT Procedure to unprotect lotus 1-2-3 release 1 & 1a

UNPROT B Bload file from basic, designed to unprotect a basic program which was saved with ',p' extension

UNPROT DOC Documentation on how to use UNPROT.B

UNPSYM COM ?? <unprotect symphony ?>

VISICALC UNP Procedure to convert visicalc to a .COM file which may be loaded on a non-standard disk

WORD UNP Procedure to unprotect microsoft word

WORD1_1 UNP Procedure to unprotect ms word V1.1 using ultra-utilities

WS2000 UNP Procedure to unprotect wordstar 2000 V1.00

ZORK12 UNP Procedure to make backup copies of infocom's zork i and zork ii games

ZORK3 UNP Procedure to make backup copies of infocom's zork iii game

Three very powerful programs can be found on this diskette.

W-ed is a small (14k) editor and word processor which is very simple to use. Its commands are easy to remember and it creates an ascii file which can be printed or re-edited. It will work with a mono display, but is especially nice to look at on the color screen.

Letterwriter is a computerized version of your address book which lets you use the names and addresses in your files to print personalized letters and envelopes. It uses the name and address information plus any ascii file for the body of text to produce what look like custom letters, but are actually form letters. Letterwriter will print continuously or will pause after each letter if you are not using form feed paper. It will, of course, pause after each envelope, waiting for you to insert and position the next envelope.

The word processing previewing system (&) gives you a picture of page layouts from any ascii word processor file without your having to print a hard copy. It draws up to 18 rectangle "pages" on your color display, then fills them with microscopic output to show exactly how your document will look. Repeating the operation, up to 18 pages at a time, it is invaluable in saving reams of paper and your time, especially for documents with tens or hundreds of pages.

WED	BGN	Screens describing each section of w-ed
WED	PGM	Describes the programmable version of w-ed
INSTALL	EXE	Changes the w-ed default options, such as margins
WED	SAL	Sales information to obtain w-ed
WED	TUT	Screens for w-ed tutorial
WED	DEF	Documentation for w-ed (10 pages)
ORDER	WED	Wyndhamware order form for w-ed
WED	EXE	The w-ed word-processing editor (executable program)
TSTBRD	EXE	Demonstrates the programmer's version (for demo only)
DEMO	EXE	Demonstration of w-ed, including a tutorial
WEREAD	ME	Short description of w-ed (2 pages)
WED-DESC	ILN	One-line description of w-ed files

LW	COM+	letterwriter (executable program)
END		Holds complimentary letter closing
ME	ME	Holds your address
CONFIG	SYS	Dos system configuration file
LWREAD	ME	Short description of letterwriter (1 page)
FORM		Registration form for letterwriter
MANUAL		Documentation for letterwriter (15 pages)

&	EXE+	Word processing previewing system (executable program)
&	CUE	Configuration file for W.P.P.S.
&	DOC	Documentation for W.P.P.S. (33 pages -or- 10 with "type")
&PCW	CUE	Configuration file for pc-write users
&READ	ME	Short description of W.P.P.S. (1 page)

A complete and well documented version of roff with test and sample files.

EQN		Demonstrates macro use for equation numbering
CATALOG	DSK	List of files on disk
FNOTES		Test for footnotes
SUPER5	ROF	
README	1ST	Describes how to print documentation
FOOT		Footnote demo
FORM		Demonstration creating form letters
LIST		Initialize to list
MATRIX		Demonstrates positional control for equations
MX80		Initialize for epson mx-80 with graftrax
ONE		Test used with sotest
PAGES		Test for pagination
READ	ME	Comments on roff4 formatter in public domain
ROFF4	C	Main source module
ROFF4	EXE	Executable form of formatter
ROFF4	DOC	19 pages of documentation
ROFF4	PRN	Formatted version of ROFF4.DOC
ROFF4	H	Source (common declarations)
COMPILE	BAT	Batch file to create ROFF4.EXE from sources
ROFF4A	C	Source module
ROFF41	C	"
ROFF42	C	"
ROFF43	C	"
ROFF44	C	"
ROFF45	C	"
ROFF46	C	"
ROFF47	C	"
SOTEST		Test and demo of nested .SO(URCE) commands
THREE		Used with sotest
TWO		"
HEADER	ROF	Header file for epson printer
NRO	ROF	Another header file
TESTNRO	ROF	Sample file for NRO.ROF
DESCRIPT	ROF	Brief description of roff4 V1.61

Prolog is popular in artificial intelligence circles. The prolog on this disk is the public domain version from automata design associates. They have other versions which they charge for.

ATN	Directory with information on augmented transition network
EXPERT	Directory with simon blackwell's public domain expert shell
SAMPLES	Directory of various examples using prolog
NEWS	A brief on what new enhancements are in this version
PDPROLOG.EQE	Executable program after it is unsqueezed
PROLOG .DQC	Squeezed documentation for the pdprolog program
READ .ME	Detail about the files on this disk and how to unsqueeze
USQ .EXE	Utility to "unsqueeze" the files on this disk

PC-graph is a program that allows you to create plots from database and report files which have been created by pc-file. It can produce line graphs of report & database files of up to 1000 records; define the area on the screen to use for your graphs; view all or part of your data; put labels and comments on your graphs; save graphs to disk; or print your graphs.

DOC	BAT	Batch file to print the manual contained in PC-GRAPH.DOC
PC-GRAPH	DOC	The user manual (28 pages)
PC-GRAPH	EXE	The pc-graph program (menu driven)
PCTEXT	BIN	Text screens used by pc-graph program
PLOT1	PLT	Sample graph files
PLOT2	PLT	Sample graph files
PLOT3	PLT	Sample graph files
PMCONFIG	PCG	Configuration file used by pc-graph program
SCREEN	BAS	Picture screens used by pc-graph
TUTOR1	LST	Sample data files used in the tutorial
TUTOR2	LST	Sample data files used in the tutorial

The public domain version of the qparser system. The only difference between this and the full commercial system is this version has a limit on the number of parsing rules and lacks the sample parsing tables that come with the full system.

CALC	COM	Executable calculator file
CALC	GRM	Grammar definition file for calculator
CALCDBUG	PAS	Skeleton source files
CALCSKEL	PAS	Skeleton file customized for calculator
CALCSEM	PAS	Calculator-specific semantics
CALCUTIL	PAS	Calculator-specific semantics
LR1	COM	The parser generator program
LR1P	COM	The program generator program
LR1SKEL	PAS	A general parser "skeleton" file
PMACS	TXT	Pascal form amcro file
QPARSER	BAT	Bat file to run the parser program
QPARSER	.DOC	Documentation for the parser program
QPDEMO	TXT	Data file for SHOWQP.COM
READ	ME	Note on where to get full qparser system
SHOWQP	COM	Automated tutorial program
SKELNUM	PAS	Skeleton source files
SKELRTBL	PAS	Skeleton source files
SKELSYMS	PAS	Skeleton source files
SKELDTBL	PAS	Skeleton source files

A new bunch of file handling utilities. Some of the files on this disk are updates of old favorites found elsewhere in the library and others are new.

BACKSTAT EXE List files on your hard disk which are not backed up
GCOPY2 EXE Copy files selectively
GCOPY2 TXT Documentation file
L6 COM Full screen file browse
LC COM Count lines in a file
LF COM List files by extension - fast
LQTYPE COM List squeezed library files
UNDEL COM Recover erased files
UNSQ COM Unsqueeze files
FILTERS LBR A collection of useful dos filters
FILTERS TXT How to prepare FILTERS.LBR for use
VIEWDISK EXE Look at individual disk sectors
VIEWDISK DOC Documentation file
COPYPC COM A better diskcopy command
COPYPC DOC Documentation file
SORT-IT COM File sorter
SORT-IT DOC Documentation file
NIB EXE Unerase, patch files, create files from memory
LOCK COM Encrypt your files
UNLOCK COM De-encrypt your files
UN-LOCK DOC Documentation file for lock and unlock
ARC EXE Combine and squeeze files in one pass
ARC DOC Documentation file
FCOMPARE EXE Good file compare program
FCOMPARE C C source code
FCOMPARE DOC Documentation file
SEARCH COM Search an entire disk for character or string
SEARCH DOC Documentation file
READONLY COM Make file uneraseable
READONLY DOC Documentation file
READWRIT COM Make file eraseable
READWRIT DOC Documentation file
DISKUNSQ COM Unsqueeze files
DISKSQ COM Squeeze all files on disk
TRED COM Make directory tree
TCOUNT COM Count characters, words, lines, pages in document
TCOUNT DOC Documentation file

A collection of dos tools and helpers to keep your housekeeping chores from getting out of hand.

CAPS	COM	Turn caps lock on from a batch file
CAPS	DOC	Documentation file
CLOCK	COM	Digital clock on upper right of screen
CLOCK	DOC	Documentation file
DISKPARK	DOC	Documentation file
DISKPARK	EXE	Hard disk head parking
DOSHELP	BAT	Dos syntax reference
GLOBALS	LBR	Do path calls with data files
GLOBALS	DOC	Documentation file
IPLTIME	COM	Easy way to get time and date
KBDBUF	COM	160 character keyboard buffer
KBDBUF	DOC	Documentation file
PCWINDOW	COM	Notepad, alarm clock, ascii table - sidekickish
PCWINDOW	DOC	Documentation file
PEACOCK	COM	Dynamic notepad
PEACOCK	DOC	Documentation file
RAMTEST	COM	Good memory checker
RAMTEST	DOC	Documentation file
SDIR5	COM	Menu driven dos helper with file management tool
SDIR5	DOC	Documentation file
SPEEDKEY	COM	Double your cursor speed
SPEEDKEY	DOC	Documentation file
FFM	EXE	Dual menu dos command helper
FILES	COM	Intellegent dir command
FILES	DOC	Documentation file
FILES	PAS	Pascal source code
LIST2DAY	COM	List all files created today
SECRET	DOC	Create and control secret directories
MDSECRET	COM	Makes secret sub-directory
RDSECRET	COM	Removes secret sub-directory
CDSECRET	COM	Goes to secret sub-directory

Screenwriter is a user-supported program to print plays from text files. Other programs on this disk include an editor designed specifically for the pcjr keyboard and text processing utilities to count words, create indexes and convert displaywrite files to ascii.

Screenwriter text preparer
SW COM Screenwriter - prints stageplays/teleplays from prepared text
SWINST COM Screenwriter installation program
SWINST MSG File used for screenwriter installation
SWINST DTA File used for screenwriter installation
SWMANUAL DOC Documentation for screenwriter (47k)
SWTRY ME Sample screenwriter input
SWREAD ME How to get started with screenwriter - list this file first

Junior word processor
TSCRIPT COM Word processor for jr only
TSCRIPT DOC Documentation file - brief
TSCRIPT PAS Pascal source code for tscript
HELP HLP More documentation for tscript (9k)

Counters and such
WORDFREQ COM Counts the usage of each individual word
WPINDEX COM Creates an index for a given set of words
DWASC EXE Converts displaywrite documents to asciii
TCOUNT COM Counts characters, words, lines and pages
TCOUNT DOC Documentation file (7k)

This disk contains a complete pc project management system. It is capable of handling 1000 tasks, subcontractors, variable start dates, and holidays. It uses cpm (critical path method); calculates the critical path, cash-flow, cost reports, gantt charts, and precedence networks.

PCPM	BAS	Basic language program management main program
PCPM	BAT	Batch file for starting the pcm program from dos
PCPM	DOC	Documentation/40 page manual for the pcm system
CPABAR	BAS	Ø
CPACFA	BAS	Ø
CPACORC	BAS	Ø
CPACOS	BAS	Ø
CPACPM	BAS	Ø
CPACUI	BAS	Ø
CPADAYS	BAS	Ø
CPAHOLY	BAS	Å---subsidiary programs called by main program (PCPM.BAS)
CPAINFO	BAS	Ø
CPAMENU	BAS	Ø
CPANODE	BAS	Ø
CPAPRES	BAS	Ø
CPASBC	BAS	Ø
CPASORT	BAS	Ø
CPASUBS	BAS	Ø
CPAUPD	BAS	Ø
LLP		Sample data file
LLP	BAR	Sample gantt chart
LLP	DAY	Sample day numbers
LLP	CFA	Sample cash flow analyst
LLP	CPM	Sample main input file
LLP	LGS	Sample file of data for sorts
LLP	NDS	Sample data file
LLP	OUT	Sample output report
LLP	UPD	Sample updated input data file

This is a p-code compiler for an extended subset of pascal. It is written in turbo pascal for the ibm pc. This compiler will be of interest especially to two groups of users: (1) students learning the pascal language, before making a commitment to a commercial compiler; (2) compiler tinkers who desire source code for modification or extension. The compiler adheres closely to the standard pascal of jensen and wirth, but does not implement file i/o.

FACILIS	COM	Pascal compiler
FACILIS	000	A required overlay file
FACILIS	UM	Users manual for this pascal compiler
FACILIS	DOC	A 1-page description of the diskette contents
ZELLER	PAS	Short demo program
FACILIS	IM	Implementation manual for this pascal compiler
TEST	PAS	Overall confidence test for the compiler
STEST	PAS	Exercises the string facility of the compiler
FACILIS	PAS	Main program in turbo to compute day of the week
BLOCK	PAS	A required include file. Contains most of compiler
INTERPRT	PAS	A required include file. Contains run-time interpreter

Most of the programs on this diskette come from the book entitled "pascal programs for scientists and engineers", published by sybex. They include commonly-used routines for engineering and statistics. The MATHPACK.PAS is a collection of mathematical and geometrical functions from the australian computer society, based on a paper "a compact mathematical function package" by a. P. Clarke and w. Marwood.

BESY	PAS	Evaluation of the bessel function of the 2nd kind
CFIT1	PAS	Linear least-squares curve fit
CFIT1A	PAS	" (with a random number generator)
CFIT2	PAS	Plotting program using PLOT.LIB
CFIT4	PAS	Linear least-squares fit
DETERM	PAS	Calculate the determinant of a 3x3 matrix
DIFFUS	PAS	An example of fitpol: diffusion of zn in cu
ERF4	PAS	An improved gaussian error function
ERFD	PAS	Infinite series expansion for gaussian error function
ERFD3	PAS	Gaussian error function and its complement
ERFSIMP	PAS	Gaussian error function by simpson's rule
FITPOL	PAS	Linear least-squares fit to the ratio of two polynomials
GAUSID	PAS	Simultaneous solution by gauss-seidel
GAUSS	PAS	Simultaneous solution by gaussian elimination

GAUSSJ LIB Gauss-jordan matrix inversion and solution
 GD-LINF1 LIB Linear least-squares fit with gauss-jordan routine
 GD-LINF2 LIB "
 JULIAN LIB Converts date to julian
 LEAST1 PAS Linear least-squares fit using a parabolic curve
 LEAST2 PAS Linear least-squares fit with gauss-jordan routine
 LEAST3 PAS Linear least-squares fit with gauss-jordan routine
 LEAST6 PAS Linear least-squares fit with gauss-jordan routine
 LINFIT1 LIB Fits a straight line through n sets of x,y points
 LINFIT2 LIB Fits a straight line through n sets of x,y points
 MATRI1 PAS Matrix multiplication
 MEANS PAS Computes mean and standard deviation
 NEWDR PAS Solves equations by newton's method
 NEWDR2 PAS Solves equations by newton's method
 NEWTON LIB Solves equations by newton's method
 NEWTON-L LIB Newton program with an iteration counter
 NLIN3 PAS Linear least-squares fit with nonlinearized e-function
 PAS-ENG DOC Description of files on this diskette
 PLOT LIB A plotter (printer) subroutine
 RANDG LIB Random number generator with gaussian distribution
 RANDOM LIB Random number generator (0..1)
 RANDOM PAS Source code for random number generator
 ROMB1 PAS Integration by the romberg method
 ROMB3 PAS " (with adjustable panels)
 SIMP1 PAS Integration by simpson's rule
 SIMPS LIB " (with end-correction)
 SIMQ1 PAS Solves three simultaneous equations by cramer's rule
 SOLVEC PAS Performs simultaneous solution for complex coefficients
 SOLVGJ PAS Simul. Equations, gaussian elimination, gauss-jordan
 SOLVGJ2 PAS " (using more equations than unknowns)
 SOLGVV PAS " (with multiple constant vectors)
 SORT-B LIB Bubble sort
 SORT-Q-N LIB Nonrecursive quick-sort
 SORT-Q-R LIB Recursive quick-sort
 SORT-S LIB Shell-metzner sort
 SQUARE LIB Matrix multiplication
 TRAP1 PAS Integrations by the trapezoidal rule
 TRAP2 PAS "
 TRAPEZ LIB " (with end-correction)
 TSTBES PAS Tests the bessel function
 TSTGAM PAS Tests the gamma function
 TSTSORT PAS Test speed of sorting routine
 MATHPACK PAS Mathematical & geometrical function package

SIG/M Volume 189 ZCPR3 -Z80 Command Processor Replacement (Vol 6 of 9) by Richard Conn (c)1984

-CATALOG.189 contents of SIG/M Volume 189 released July 14, 1984

TYPE1 .COM types and pages squeezed files
USQ .COM file unsqueezer
CRC .COM checksum program - type CRC to check disk

index	name	size	crc	description
189.01	PRINT .MOC	19K	24 17	ZCPR3 MAC files
189.02	PROTECT .MOC	9K	97 CA	
189.03	PWD .MAC	5K	DF 00	
189.04	QUIET .MAC	3K	FA 09	
189.05	RECORD .MAC	4K	4E E7	
189.06	REG .MAC	5K	40 1A	
189.07	RENAME .MOC	9K	1E FB	
189.08	SAK .MAC	5K	62 C2	
189.09	SETFILE .MAC	2K	73 D5	
189.10	SH .MOC	11K	BE F5	
189.11	SHCTRL .MAC	3K	CA E6	
189.12	SHDEFINE.MOC	8K	7E 64	
189.13	SHFILE .MAC	2K	34 17	
189.14	SHOW .MOC	20K	AF 69	
189.15	SHVAR .MOC	8K	F9 99	
189.16	SUB .MOC	15K	A1 1B	
189.17	TCHECK .MAC	5K	70 79	
189.18	TCMAKE .MOC	13K	02 D5	
189.19	TCSELECT.MOC	8K	CB D5	
189.20	UNERASE .MOC	10K	FA 52	
189.21	WHEEL .MAC	4K	FF CF	
189.22	XD .MOC	12K	F7 E0	
189.23	XDIR .MOC	25K	D6 BC	
189.24	Z3INS .MOC	7K	C8 63	
189.25	Z3LOC .MAC	4K	35 83	

SIG-M Library -CATALOG Volume Number-189, 25 Files cataloged.

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SIG/M Volume 190 ZCPR3 - SYSLIB4 Library of Routines (Vol 7 of 9)
by Richard Conn (c)1984

-CATALOG.190 contents of SIG/M Volume 190
released July 14, 1984

ZCPR3 .CAT catalog of this nine volume series
LU .COM library utility
LTYPE .COM types library files
CRC .COM checksum program - type CRC to check disk

Instructions for LU and LTYPE may be found in the file
READ.ME on volume 184.

index	name	size	crc	description
190.01	SYSLIB1 .LBR	60K	39 42	Library of SYSLIB routines
190.02	SYSLIB2 .LBR	78K	EC 4C	/
190.03	SYSLIB3 .LBR	57K	DC 5A	/

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SIG/M Volume 191 ZCPR3 - SYSLIB4 Library of Routines (Vol 8 of 9)
by Richard Conn (c)1984

-CATALOG.191 contents of SIG/M Volume 191
released July 14, 1984

SIG/M .LIB donation form
JOIN .ACG ACGNJ membership application
ZCPR3 .CAT catalog of this nine volume series
LU .COM library utility
LTYPE .COM types library files
CRC .COM checksum program - type CRC to check disk

Instructions for LU and LTYPE may be found in the file
READ.ME on volume 184.

index	name	size	crc	description
191.01	SYSLIB .REL	21K	29 21	SYSLIB library of routines
191.02	SYSLIB27.REL	14K	1C 54	/
191.03	SYSLIB4 .LBR	48K	7B A6	/
191.04	SYSLIB5 .LBR	66K	78 C0	/

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-CATALOG.192 contents of SIG/M Volume 192
released July 14, 1984

SIG/M .LIB .donation form
JOIN .ACG ACGNJ membership application
CRC .COM checksum program - type CRC to check disk

index	name	size	crc	description
192.01	SYS2-3 .TXT	9K	6B 3B	Upgrade notes to SYSLIB 2 & 3
192.02	SYSLIB .HLP	2K	81 84	SYSLIB HELP files
192.03	SYSLIB0 .HLP	14K	86 FE	
192.04	SYSLIB1 .HLP	20K	8F BB	
192.05	SYSLIB2 .HLP	5K	6D D5	
192.06	SYSLIB3 .HLP	15K	F8 5C	
192.07	SYSLIB4 .HLP	12K	E7 A6	
192.08	SYSLIB5 .HLP	12K	F4 17	
192.09	SYSLIB6 .HLP	8K	F4 5A	
192.10	SYSLIB7 .HLP	6K	15 2C	
192.11	SYSLIB8 .HLP	5K	3C A8	
192.12	SYSLIB9 .HLP	3K	42 92	
192.13	SYSLIBA .HLP	7K	64 42	
192.14	SYSLIBB .HLP	5K	20 09	
192.15	SYSLIBC .HLP	9K	F9 6C	
192.16	SYSLIBD .HLP	5K	48 9A	
192.17	SYSLIBE .HLP	8K	55 D3	
192.18	SYSLIBF .HLP	4K	2A 54	
192.19	SYSLIBG .HLP	3K	EE 4C	
192.20	SYSLIBH .HLP	2K	6F 02	
192.21	SYSLIBI .HLP	6K	DC 1E	

SIG-M Library -CATALOG Volume Number-192, 21 Files cataloged.

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SIG/M Volume 193 Programs from the Toronto RCP/M System

-CATALOG.193 contents of SIG/M Volume 193
released September 7, 1984

JOIN .ACG Amateur Computer Group Application Form
 SIG-M .LIB donation form
 CRC .COM checksum program - type CRC to check disk
 USQ .COM unsqueeze squeezed files
 LU .COM utility for .LBR files

 LU commands: LU (initiate program)
 -O (open file - type name)
 -L (list files in .LBR)
 -E (extract files -E *.* extracts all)
 -C (close file)

index	name	size	crc	description
193.01	BISHOW31.AQM	32K	52 5D	bidirectional pager for both squeezed
193.02	BISHOW31.COM	3K	B8 D1	and unsqueezed files.
193.03	DBL211 .LBR	12K	B1 21	Oki, Epson, etc. output 2 cols. side by side
193.04	HEX2DATA.BAS	3K	EF 71	Turns hex file into basic data statements
193.05	JOYSTICK.LBR	20K	E2 15	Atari joysticks for Osborne
193.06	MOI .CAL	5K	B9 9B	math of interest supercalc template
193.07	MXSET22 .LBR	68K	A5 19	ultimate MX-80, 100 set program
193.08	PAF-TAB .CAL	11K	AD 0A	interest calc supercalc template
193.09	PSWORD .LBR	6K	3D C3	passwords for .COM files
193.10	RENEXT11.LBR	8K	8A DF	renames all files with same extension
193.11	TXT23 .LBR	7K	8C B4	inserts text statements in .COM files
193.12	ZDEBUG17.LBR	23K	D9 B6	Z80 debugger

SIG-M Library -CATALOG Volume Number-193, 12 Files cataloged.

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SIG/M Volume 194 High Resolution Graphics Printing System from the
Air Force Institute of Technology

-CATALOG.194 contents of SIG/M Volume 194
released October 5, 1984

JOIN .ACG Amateur Computer Group Application Form
SIG-M .LIB donation form
USQ .COM unsqueeze squeezed files
CRC .COM checksum program - type 'CRC' to check disk

index	name	size	crc	description
194.01	PLOT33 .AQM	44K	FC 55	Dot matrix graphics driver
194.02	PLOTcito.COM	4K	DD A3	Assembled files for CITO, EPSON
194.03	PLOTep.COM	4K	C1 E6	and OKIDATA printers. IDS, Apple
194.04	PLOToki.COM	4K	26 EB	and others use .ASM file
194.05	PLOT33 .DQC	38K	3C 2D	Documentation
194.06	FILLS .BAS	1K	9D A2	MBASIC demo of stipple patterns
194.07	GRAF .FQ	23K	F9 97	FORTRAN-80 plot package
194.08	GRAF1 .PAS	17K	77 9B	Turbo Pascal low level routines
194.09	GRAF2 .PAS	19K	B0 FF	Turbo Pascal graph drawing routines
194.10	GRAPH .BAS	9K	B5 4F	MBASIC plot package
194.11	HANDPLOT.BAS	22K	93 B2	Demonstration program
194.12	TEST .BAS	2K	D6 EF	MBASIC example program
194.13	TEST .PAS	3K	41 CD	Turbo Pascal example program
194.14	UPLOAD .BAS	10K	D0 93	MBASIC demo-stipple pattern redefinition

SIG-M Library -CATALOG Volume Number-194, 14 Files cataloged.

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SIG/M Volume 196 Programs from the ACGNJ Cranford Bulletin Board

-CATALOG.196 contents of SIG/M Volume 196
released October 5, 1984

CRC .COM checksum program - type 'CRC' to check disk
DELBR .COM to extract .LBR files type DELBR filename

index	name	size	crc	description
196.01	DELBR11A.LBR	53K	CC 2D	extracts library files,CP/M 80,86,MSDOS
196.02	EX14 .LBR	29K	9D D4	replacement for SUBMIT and XSUB
196.03	FTNOTE13.LBR	29K	5F B8	produces footnotes with Wordstar
196.04	QK12 .LBR	16K	36 8D	redefines keyboard
196.05	SD-92 .LBR	79K	06 E5	updates sorted directory
196.06	SDT .LBR	4K	B9 4C	enhancement to DDT
196.07	UNSOFT1C.LBR	11K	BB 4F	removes Wordstar high bits

SIG-M Library -CATALOG Volume Number-196, 07 Files cataloged.

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MINI – UNIX

MINIX

Efter i et års tid at have forsøgt at lære UNIX og dets environment at kende, var jeg efterhånden noget frustreret over ikke at kunne finde nogen beskrivelse af de mere grundliggende tanker, som ligger bag et flerbruger-operativsystem. Nu er det jo de færreste af os som har et Unix system helt til vores egen disposition og det er jo derfor ikke altid så let at eksperimentere uden at genere andre. Derfor kan det være svært at få praktisk erfaring i administration af Unix. Nu er det jo ikke sådan at der ikke er bøger om emnet, men de er oftest på engelsk og kræver en stor del baggrundsviden.

En af de bøger som findes på markedet er Operating Systems af forfatteren A.Tanenbaum. Den er skrevet på engelsk, men er en bog som ikke kræver en større baggrundsviden og som i det hele taget er let-læst. Det faktum at A.T. er i stand til at krydre det meget faglige stof med små sjove eksempler gør at bogen bliver lettere læst.

Hvad er så Minix. Det er et multitask operativsystem lavet så det kører på en IBM PC eller clone. Det er opbygget helt som Unix med de samme systemfiler og systemopbygning som Unix. Det at det er et multitask OS har nødvendiggjort at man har måttet gå uden om BIOS rutinerne. Dette medfører så igen at hvis man forsøger at køre Minix på en clone, skal den være meget kompatibel mht. hardwaren.

Bogen Operating Systems er på 700 sider, hvor de sidste 300 sider udgør henholdsvis manual og source til operativsystemet. Det at der er kildetext med til Minix gør at det er let at løse evt. hardwareproblemer grundet imkompatibilitet.

Minix (11 disketter) til PC koster ca. 700,- kr.

Bogen Operating Systems koster ca. 300.- kr.

Begge dele kan fås hos Akademisk Boghandel Århus.

Det forlyder, at der kommer en samlet pakke med en 512 siders manual samt disketter til Minix - samlet pris ca. 110 dollar.

Mikkel Moulvad

BBS

BULLETIN-BOARD INDHOLD

For at give en lille ide om hvad der egentlig findes på klubbens Bulletin-Board, findes på denne og næste side en oversigt over Message Areas og File Areas. Alle medlemmer af MUG har adgang til disse og kan hente de programmer der findes her.

Message Areas -----

- 1 ... Public messages from user to user
- 2 ... Messages and info from our sponsors
- 3 ... Questions and answers to and from SYSOP
- 6 ... Adverts - Buy, Sell and Swap
- 7 ... Messages to and from MUG Software Library
- 19 ... Messages to and from MUG Denmark
- 20 ... Koeb og salg for private.
- 21 ... Dansk games area.
- 22 ... Hej Danmark.
- 23 ... Motor brevkasse.
- 24 ... Private messages from user to user
- 25 ... Dansk pascal area.
- 26 ... Konference om Z80 processor.
- 27 ... Konference om hard- og software.
- 28 ... Dansk C konference.
- 30 ... International conference for programmers.
- 31 ... International DBASE conference.
- 32 ... International Pascal conference.
- 33 ... International C conference.
- 34 ... International seadog conference.

File Areas -----

- 1 ... Files you may find handy when using the system
- 2 ... Files from and to our sponsors
- 6 ... IBM - Print Spoolers, Ramdisk Drivers etc.
- 7 ... All the files needed to start a Fido(tm) Bulletin Board
- 8 ... Latest version of most Fido sysop utilities
- 9 ... International FidoNews, EuroNews and IFNA Nodelist
- 10 ... CP/M Public Domain Software Catalogs
- 16 ... Opus - The Computer Based Conversation System Rev 0.0
- 17 ... Opus - The Computer Based Conversation System Rev 1.0
- 18 ... IBM Printer Utilities
- 19 ... MUG Denmark - Diskette Based News-letters.
- 20 ... Pictures in ASCII format.
- 21 ... FidoNet(tm) Message Area
- 22 ... Modula-2 Programming Language SIG
- 23 ... Assembly Programming SIG
- 24 ... IBM - File and Disk Utilities
- 25 ... Miscellaneous Info and Articles
- 26 ... Games for IBM
- 27 ... IBM Batch language utilities
- 31 ... BYTE Magazine program listings.
- 32 ... Pascal Programming Language SIG
- 33 ... C Programming Language SIG
- 34 ... IBM - Misc. Tools and Utilities
- 35 ... IBM - Communications Software
- 36 ... CP/M Communications Software
- 37 ... CP/M Miscellaneous Files
- 38 ... UNIX look alike utilities for DOS
- 39 ... IBM - Office Automation Software
- 40 ... NEC V20/30 Programs and Utilities
- 41 ... Unprotection tools and hacking news
- 42 ... Programming Languages for PC- and MS-DOS
- 46 ... Dr.Dobbs Magazine program listings

KØB – SALG – BYTTE

C-64 system i orig. emballage med diskette, Hayes-kompatibelt modem, kassette, to joysticks, matrixprinter og TECO-monitor. Bl.a. lovligt Praticalc regneark, EasyScript tekstbeh., privatregnskab, kartotek og Kermit kommunikation. Programmers reference guide, farvebånd (min. 4 styk), 200 ark EDB-liste, kabler og serielt interface medfølger. Sælges kun samlet. Pris: 4.390 kr.

Henvendelse: Niels Dreijer, tlf. 02 24 76 90.

2 stk floppy disk drives, TEAC FD50-F, 5.25", halv højde, 80 spor dobbeltsidet, ca. 800 Kb. Har aldrig været monteret. Pris: 1000 kr/stk.

Z80 kort i europaformat (ECB-bus) incl. 128 Kb RAM, monitor i EPROM, floppy-disk controller (komb. 5.25" og 8") samt real-time clock (ur). Pris: 750 kr.

CRT kort i europaformat. 25 x 80 tegn. DK og US tegnsæt. Skal blot tilsluttes skærm og tastatur. RS-232 interface til computer (op til 38400 baud). Pris: 500 kr.

Professionel skærm, NEC, 12", med gult fosfor. Pris: 1200 kr.

RAM-kort (32 KB) til MPS-maskinen, bestykket med sokler samt RAM'er. Pris: gratis, hvis du kan bruge det.

Henvendelse: Leif Olsen, tlf. 02 94 98 20.

ADRESSER

SOFTWARE OG DISKETTER

Disketter samt CP/M-volumes bestilles ved CP/M-bibliotekaren. Husk ved bestilling af CP/M-volumes at oplyse om diskformat.

PC-volumes bestilles ved PC-bibliotekaren.

40 spor dobbeltsidet	pr 25 stk.	150,- kr.
40 spor dobbeltsidet, flere farver	pr 10 stk.	120,- kr.
Ved forsendelse pålægges ekspeditionsgebyr		20,- kr.
Volume fra biblioteket (excl. disk)	pr. 1 stk.	30,- kr.
Volume fra biblioteket (incl. disk)	pr. 1 stk	50,- kr.

BESTYRELSEN

Formand:

Mikkel Moulvad
Sofiegade 24
1418 København K
Tlf. 01 57 18 92
(hverd. 17 - 19)

Kasserer

Jørgen Petersen
Sofiegade 24, 2.
1418 København K
Tlf. 01 54 91 76
(man - tor: 20 - 21)

Sekretær:

Mogens Kruse
Digterparken 68
2750 Ballerup
Tlf. 02 97 38 38

Disketteredaktør:

Carl Skovgaard Larsen
Pærevangen 19, 1h
2765 Smørum
Tlf. 02 66 11 27
(hverd. 19 - 21)

Redaktør:

Leif Olsen
Kildestrædet 46
2740 Skovlunde
Tlf. 02 94 98 20

Mødearrangør:

Lars Gråbæk
Sofiegade 1, v 105
1418 København K
Tlf. 01 54 36 13

Fælleskøb:

Tage Micheelsen
Slotsherrensvej 48, 2
2720 Vanløse
Tlf. 01 79 11 68

PC-biblioteket

Svend Mailand
Borgbjergsvej 46, st tv
2450 København SV
Tlf. 01 21 64 35
(man - tor: 20 - 21)
Giro 7 49 91 40

CP/M-biblioteket

Jørgen Petersen
Sofiegade 24, 2
1418 København K
Giro 5 68 65 12

BULLETIN BOARD

Tlf. 01 54 55 75
Åbent hele døgnet
300, 1200/75, 1200,
2400 bits/sec, 8 bit,
1 stop, ingen paritet

КОНСТИТУЦИЯ

1993 года

Конституция Российской Федерации является основным законом страны, определяющим ее государственное устройство, права и свободы человека и гражданина, основы правового статуса личности.

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Конституция Российской Федерации определяет основы системы судоустройства и судопроизводства.

Конституция Российской Федерации определяет основы системы органов государственной власти субъектов Российской Федерации.

Конституция Российской Федерации определяет основы системы органов государственной власти органов местного самоуправления.

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