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MØDER

Der er planlagt møder følgende datoer:

onsdag	24 okt 1990	Generalforsamling !
onsdag	7 nov 1990	"En compilers indvolde".
onsdag	5 dec 1990	AWK-programmering, awk er et UNIX stream-værktøj, bl.a. til manipulering af tekst.

Bidrag/Indlæg til møder og blad ønskes!.

Har du en god ide- eller måske et forslag til et emne, som du gerne vil vide noget mere om, så lad os høre nærmere. Det behøver absolut ikke at være 'sofistikeret', - meget andet er også interessant. Som (symbolsk) belønning donerer foreningen en diskette-check til indløsning i et af bibliotekerne.

kantine åben

Møderne afholdes på adressen:

Vesterbro Kulturhus, Lyrskovsgade 4, København V.

Lokale-nummer fremgår af opslag ved indgangen. Dørene åbnes som vanligt kl. 19.

INDMELDELSE OG KONTINGENT

Indmeldelse i MUG Denmark foretages ved indbetaling af kontingent (200 kr. årligt) på Giro 5 68 65 12, MUG Denmark /v Lars Gråbæk
Der opkræves ikke indmeldelsesgebyr.

Oplag: 400
Tryk: Dansk Tidsskrifts Tryk.
Redaktion: Viggo Jørgensen.

Redaktionen afsluttet ult. sep-90.

Fra bestyrelsen

INDKALDELSE til GENERALFORSAMLING

Der indkaldes til ordinær generalforsamling i MUG

onsdag den 24 okt. 1990

kl. 19.00

i

Vesterbro Kulturhus, Lyrskovsgade 4, København V.

Dagsorden:

1. Valg af dirigent og referent.
2. Formandens beretning.
3. Bibliotekarernes beretning.
4. Indkomne forslag.
5. Valg af formand.
6. Valg af bestyrelsesmedlemmer.
7. Valg af 2 revisorer.
8. Eventuelt.

kantine åben



'make sure that you keep back-ups...'

Kontingenter og Spørgeskemaer

Kontingenter opkræves som bekendt løbende, der er således ikke nogen dato hvor alle kræves for kontingent. En stor del af foreningens medlemmer er således blevet opkrævet her pr. 1. juni, opkrævningen blev udsendt sammen med det sidste nummer af bladet og jeg er i den forbindelse blevet gjort opmærksom på at det kunne smutte, således at man ikke opdagede at der udover bladet var et GIRO-kort i kuverten.

Derfor har jeg sendt rykkere ud til dem der ikke havde betalt medio juli. Jeg vil i den forbindelse gøre opmærksom på at dette er en ekstraordinær "service", normalt bliver der ikke udsendt rykkere. Så hvis du fortsat ønsker at være medlem af MUG bør du betale kontingent straks når du modtager et GIRO kort, da du i modsat fald, efter en vis rimelig frist, uden yderligere varsel bliver slettet som medlem.

I forbindelse med kontingentopkrævningen her pr. 1. juni er vi begyndt at anføre et lille spørgeskema bag på GIRO kortene, det rummer nogle få spørgsmål om hardware og software. Skemaet er ikke lavet fordi vi vil vide lige præcis hvad du bruger af hardware og hvad du bruger den til. Derimod vil vi gerne vide lidt om hvordan strømmingen i foreningen er og specielt om den ændrer sig med tiden. Fra de 136 der foreløbig har været udsat for spørgeskemaet har vi

modtaget 65 besvarelser, af dem fremgår at det mest anvendte hardware er:

PC-XT	34
PC-AT	31
386'ere	22
CP/M	12

Der er også nogle få, der bruger Machintosh, Amiga o.s.v. Når det tilsammen giver mere end 65 er det fordi der er nogle der bruger flere slags maskiner.

Hvad anvendelser angår, så er programmering og tekstbehandling klare topscorere; men om det betyder at der flittigt skrives dokumentation til de udviklede programmer tør jeg ikke sige, besvarelserne er som følger:

Programmering	56
Regnskab	30
Spil	13
Kartoteker	26
Grafik	18
Tekstbehandling	48
Kommunikation	39

Af andre anvendelser er anført Statistik, AutoCAD, Systemudvikling mv.

Endelig var der et spørgsmål om hvorvidt MUG-BBS blev brugt og der kan vi konstatere at der er 33 altså ca. halvdelen af dem der har svaret der bruger MUG-BBS.

Lars Gråbæk.

CED

- er et Public Domain program. Det er et resident program, som fylder 16 K i maskinen. Dets væsentligste funktioner er at kunne genkalde tidligere afgivne DOS kommandoer og at kunne rette i disse, så man kan "affyre" disse igen. Man har mulighed for at skabe

korte synonymer for lange DOS kommandoer.

Der er en del andre faciliteter, som man kan læse om i den medfølgende dokumentation. Programmet er et af de bedre i Public Domain og anbefales hermed.

John B. Jacobsen

HD-Menu

MENU PROGRAMMER, en måde at finde rundt på sin harddisk.

/ anmeldelse /

Alle kender formodentlig problemet med at finde rundt på en harddisk med mange forskellige directories og mange forskellige programmer. Det rareste er jo at have lidt system i det, således at f.eks. alle ens source filer i PASCAL ligger i et bestemt directory, alle ens breve i et andet og så fremdeles.

Derfor skal man næsten hele tiden blade rundt mellem forskellige directories, det kan gøres på mange måder, den der er nærmest for, er nok at taste de fornødne kommandoer en for en.

Man tænder - og ender så med sin DOS prompt C:\> og må taste CD \turbo\pas <ENTER> turbo <ENTER> eller hvad der nu skal til før man kan komme igang. Det er jo lidt omstændeligt, - en måde at simplificere det på er at lave en BAT file for hvert af de programmer man ofte bruger, den kan så klare alle de nødvendige directory skift, setup m.v. for et givet program, f.eks. kan filen PAS.BAT, der i ét hug klarer den ovenfor beskrevne opgave, se ud som følger:

```
ECHO OFF
CD \turbo\pas
turbo
```

nu kan det hele klares ved at give kommandoen PAS <ENTER>.

Det kan selvfølgelig også blive lidt uoverskueligt hvis man har mange BAT filer. En måde at hjælpe lidt på hukommelsen kunne være at lade AUTOEXEC.BAT filen slutte med at skrive en oversigt på skærmen over de mulige BAT filer.

Der er selvfølgelig mange andre muligheder, da jeg i sidste nummer af bladet (MUG 90:2) så, at der var 2 volumes i vores bibliotek med HARDDISK MENUprogrammer fik jeg lyst til at se hvordan andre havde prøvet at løse de ovenfor beskrevne problemer, så jeg bestilte:

DISK # 631 HDM II (Hard Disk Menu system)
DISK # 642 MENU-MASTER VERSION 2.1

De to programmer minder meget om hinanden; men da de koster det samme og HDM II efter min mening er langt det bedste program, vil jeg her fokusere på HDM II.

Men lad det være sagt med det samme, anvendelse af et menuprogram er

en form for "suverænitetets afgivelse", DOS prompt'en forsvinder og du ender i dette tilfælde med 10 skærmsider, hver med 10 indgange til programmer, DOS kommandoer, UTILITY kommandoer o.s.v.

For HDM II's vedkommende er "suverænitetets afgivelsen" endda så stor at du ikke kan nå DOS prompten på "niveau 0" på en pæn måde, Exit kommandoen i programmet lukker dig nemlig ud i en DOS SHELL.

Men hvis man kan acceptere denne "suverænitetets afgivelse" så er HDM efter min mening et godt program til at håndtere en harddisk og det er en fantastisk gave til folk, der ikke er interesserede i DOS og iøvrigt synes de forskellige kommandoer og forkortelser er for svære at huske.

Program, dokumentation mv. fylder ca. 160 kB, heraf er det nødvendigt at fylde ca. 90 kB ind på sin harddisk for at få systemet til at fungere.

Dokumentationen er kort (ca. 3 sider på engelsk) og rimeligt let forståeligt, systemet er let at sætte op og bruge, det er stort set bare et spørgsmål om at kopiere indholdet af disken fra biblioteket ind på harddisken og så gå igang ved at give kommandoen HDM <ENTER>.

Bliver man tilfreds med programmet kan man jo lægge denne kommando ind som sidste kommando i AUTOEXEC.BAT filen.

Jeg stødte dog ind i et alvorligt problem da jeg ville gå igang, for programmet var leveret med password-beskyttelse på alle indgange i menuen, således at det var umuligt selv at lægge noget ind i menuerne !!! Og jeg var ikke i stand til at gætte dette password, så jeg var lige ved at tro jeg havde fået et ubrugeligt program; men efter lidt detektivarbejde fandt jeg ud af at problemet kunne løses ved at slette det kryptograferede ord der stod i

linje 230 i filen HDMENU.TXT.

Efter at det var fjernet fungerede programmet som det skulle.

Der er som nævnt 10 menusider, som hver kan forsynes med en kort titel, titlerne på de 10 menusider kan hele tiden ses til venstre på skærmen. Skift mellem de 10 sider kan ske ved brug af funktionstasterne (F1-F10) eller ved med

pil-tasterne at blade "menubjælken" oven- eller nedenud af den aktive side. De enkelte indgange på den aktive side vælges ved enten at taste nummeret (0-9) eller ved at pege med "menubjælken" og derefter taste <ENTER>.

Hvis man skal installere en ny indgang i menuen, fjerne eller ændre en eksisterende indgang eller eksekvere en eller anden kommando som man ikke har lagt ind i menusystemet, aktiverer man en "kommando menu" ved at taste /

fra denne menu kan man også hente hjælp til brug af programmet, hjælpe-funktionen er iøvrigt meget elegant udført.

En indgang i menuen indeholder en kort tekst, der beskriver det program der aktiveres med det pågældende menupunkt - og så, skjult for brugeren - en stribe kommandoer med tilsammen op til 255 tegn, er dette ikke nok kan en eller flere af kommandoerne være BAT filer, så der er vidt spillerum.

Udover at indeholde diverse kommandoer der skifter directory og starter det program man nu er interesseret i at bruge, kan man også "programmere"

kommandoerne knyttet til de enkelte indgange således at man bliver promptet for et filnavn eller andre ting når man aktiverer de pågældende punkter i menuen. Det er også muligt at sætte password-beskyttelse på de enkelte indgange, således at ingen uvedkommende kan gå ind og ændre i menuerne, medmindre de ved at de skal editere i filen HDMENU.TXT som nævnt ovenfor.

En enkelt ting kunne jeg godt savne, det var en "repeat last" kommando, forstået på den måde, at hvis man nu har været inde og editere filen MUG.TXT, har forladt sin editor og er vendt tilbage til menuprogrammet og kommer i tanke om at man lige mangler at tilføje nogle ting, så ville det være rart at kunne aktivere editoren med den samme fil igen bare ved et tryk på en tast.

Alt i alt synes jeg det er et lille, tiltalende program, som jeg roligt tør anbefale til alle der mangler et program der kan være med til at skabe overblik over hvad man har liggende på sin hard-disk og give nem adgang til at starte de forskellige programmer man bruger ofte.

Lars Gråbæk.

OPGAVER

Opgaven i 1990:2 gik ud på at opstille den længst mulige række primtal ved at tilføje et hidtil ubrugt ciffer foran eller bagved.

Det blev bemærket, at nul ikke kunne forekomme, så der derfor højst kunne blive ni cifre i det sidste primtal. Men hvis et tal består af alle cifrene 1-9, vil dets tværsum være 45, og så går 3 op i tallet. Der kan altså heller ikke dannes sådanne rækker på 9 primtal.

Derimod findes der mange rækker på 8 primtal af den angivne art, f.eks.:

2		7
23		71
823		571
8231	} eller	6571
58231		36571
582317		436571
5823179		2436571
65823179		92436571

Man kan godt prøve sig frem til en sådan række med en lommeregner, men det er besværligt at sikre sig, at store tal virkelig er primtal.

Nedenstående program finder på et par minutter alle 33 mulige primtalsserier og gemmer dem i en fil.

Der indkom ingen besvarelser af opgaven og der uddeles derfor ingen præmie.

Thorbjørn Ravn Andersen har gjort opmærksom på en lidt anden måde at løse opgaven fra 1990:1 på. Den samlede tid til at gå over marken kan betragtes som en funktion af to variable (afstande på skillelinierne mellem markens afsnit), og der findes en standard metode, SIMPLEX-metoden, til at finde maximum eller minimum for en sådan funktion.

Metoden bruges normalt til lineære funktioner, dvs. funktioner af formen

$$f(x,y) = ax + by,$$

hvor a og b er konstanter; men den kan godt modificeres så den kan bruges på mere komplicerede funktionsudtryk.

Der har været meget få reaktioner på opgaverne i den tid, de har været bragt, og bestyrelsen har derfor besluttet at ophøre med opgaverne i den hidtidige form.

Det overvejes at starte en konkurrence af en anden art i forbindelse med bladet; mere herom antagelig i et senere nummer.

```

PROGRAM primserie;
VAR i:      byte;
    tabel:  ARRAY[1..8] OF LONGINT; { tabel over de fundne primtal - }
    ubrugt: ARRAY[1..9] OF BOOLEAN; { holder rede på, om et ciffer har }
    udfil:  TEXT;                  { været brugt i hidtidige primtal }

FUNCTION prim(x:LONGINT): BOOLEAN; { returnerer TRUE }
    { kun hvis x er et primtal }
    VAR x1: REAL;
        c: LONGINT;
    BEGIN
        x1 := sqrt(x); { øvre grænse for mulige faktorer }
        c := 2;
        prim := TRUE;
        WHILE c <= x1 DO
            IF (x MOD c)=0 THEN
                BEGIN
                    c := x;
                    prim := FALSE;
                END
            ELSE
                c := c+1;
            END;
        END;

PROCEDURE next(a, tipot: LONGINT; cifre: BYTE);
    VAR i: INTEGER;
    BEGIN
        IF prim(a) THEN
            BEGIN
                tabel[cifre] := a;
                IF cifre = 8 THEN
                    BEGIN
                        FOR i := 1 TO 8 DO write(udfil, tabel[i], ' ');
                            writeln(udfil);
                    END
                ELSE
                    BEGIN
                        tipot := tipot*10;
                        FOR i := 1 TO 9 DO
                            IF ubrugt[i] THEN
                                BEGIN
                                    ubrugt[i] := FALSE;
                                    next(tipot*i+a, tipot, cifre+1); { sæt ciffer i foran }
                                        { og prøv igen }
                                    IF odd(i) THEN { hvis i er ulige, så sæt det bagefter }
                                        next(10*a+i, tipot, cifre+1); { og prøv igen }
                                        ubrugt[i] := TRUE;
                                END;
                            END;
                        END;
                    END;
                END;
            END;
        END;

BEGIN (* hovedprogram *)
    assign (udfil, 'PRIMTAL.DTA');
    rewrite(udfil);
    FOR i := 1 to 9 DO
        ubrugt[i] := TRUE;
    FOR i := 2 TO 7 DO
        BEGIN
            ubrugt[i] := FALSE;
            next(i, 1, 1);
            ubrugt[i] := TRUE;
        END;
    close (udfil);
END.

```

Her er en 'klassiker', et Pascal-program, som er for CP/M og PC/MS-DOS m.fl.
 - Vi har haft påske i år, men af og til er det godt at kunne se både frem og tilbage!

```

-----
PROGRAM PAASKE;      { programide fra gammelt nummer af Nascom Nyt / Z80-Nyt }

VAR AAR,M,D :INTEGER;

PROCEDURE PAASKEUDR(AAR:INTEGER;VAR MAANED,DAG:INTEGER);
CONST
  GREGOVERGANG=1700;
VAR
  AARHUNDREDE { = AAR/100+1 },
  MCKORR      { Korrektion af METONISK CYKLUS, ca. 8 dage hver 2500 År },
  EPACT       { Kalender Månens alder ved begyndelsen af året },
  EKSTRA      { Angiver hvornår søndag forekommer i MARTS },
  GOLDNUM     { NR på år i METONISK CYKLUS },

  GREGKORR :INTEGER; { Korrektion for århundreder der ikke var SKUDAAR }
                    { LITT: A.D. Morgan, A Budget of Paradoxes; }
BEGIN
  GOLDNUM := AAR MOD 19 + 1;
  IF AAR <= GREGOVERGANG THEN BEGIN
    EKSTRA := (5*AAR) DIV 4;
    EPACT := (11*GOLDNUM-4) MOD 30 + 1
  END ELSE BEGIN
    AARHUNDREDE := AAR DIV 100 + 1;
    GREGKORR := (3*AARHUNDREDE) DIV 4 - 12;
    MCKORR := (AARHUNDREDE-16-(AARHUNDREDE-18) DIV 25) DIV 3;
    EKSTRA := (5*AAR) DIV 4 - GREGKORR - 10;
    EPACT := (11*GOLDNUM+20+MCKORR-GREGKORR) MOD 30 ;
    IF EPACT <= 0 THEN EPACT := EPACT + 30;
    IF (EPACT=24) OR (EPACT=25) AND (GOLDNUM>11) THEN EPACT := EPACT + 1
  END;
  DAG := 44 - EPACT;
  IF DAG < 21 THEN DAG := DAG + 30 ;
  DAG := DAG + 7 - (EKSTRA+DAG) MOD 7;
  MAANED := 3;
  IF DAG > 31 THEN BEGIN
    MAANED := 4 ; DAG := DAG - 31 END
  END {PAASKEUDR};

BEGIN
REPEAT
  WRITELN;
  WRITE('(afslut med 0) Årstal ? ');
  READ(AAR);
  IF AAR<>0 THEN BEGIN;
    PAASKEUDR(AAR,M,D);
    { De resterende helligdage, Fastelavn, Pinse, St. Bededag,
      Kristi Himmelfart m.v., bestemmes altid ud fra Påsken,
      Fastelavn      = 7 uger før Påskesøndag
      Palmesøndag   = 1 uge før  "-"
      Bededag       = fredagen 26 dage efter Påskesøndag
      Kr. Himmelfart = torsdagen 39 dage efter  "-"
      Pinesøndag    = 7 uger efter Påskesøndag. }
    WRITELN;
    WRITELN(AAR:8, ' Falder påsken den ',D:3,'-',M:1);
  END
UNTIL AAR=0;
END.

```


Grundet et stadigt stigende antal nye P-D programmer, (PC-SIG o.l.) vil det være nødvendigt at ændre den hidtil anvendte form. Dvs. der kan ikke blive plads til alle filnavnene fra den enkelte diskette, men kun 'hovedet', med hvor mange KBytes filerne fylder, samt en kort beskrivelse af diskettens indhold. Den her viste form, efter oplæg fra Anders Otte m.fl., er ikke endelig, men vil afhænge af tilgængeligt materiale og evt. forslag fra medlemmer.

SIG No.	648	Walmyr Programs (disk 1 of 2)	356.462 Bytes	v1 DS2
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This disk contains programs for instructors in a well supported micro computer teaching lab called the "interactive computer examination supervisor" and another for people needing to configure printers.

SIG No.	649	Walmyr Programs (disk 2 of 2)	352.751 Bytes	v1 DS2
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This disk contains programs for instructors in a well supported micro computer teaching lab called the "interactive computer examination supervisor" and another for people needing to configure printers.

SIG No.	650	Fansi-Console version 2.00 (disk 2 of 2)	210.310 Bytes	v3.0 DS2
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Fansi-Console is a sophisticated memory-resident program which replaces the standard IBM PC console drivers, extends the ROM BIOS, processes ANSI X3.64 control sequences, provides keyboard macro capabilities, and much more. This is disk two of a two disk set. the first disk is disk #356 in our library.

SIG No.	651	Turbo Calc / Aseasyas Spreadsheets	228.087 Bytes	v1 DS2
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Turbo Calc is a spreadsheet program of about medium size; 512 rows by 64 cols. It is relatively easy to use and supports the usual range of functions, as well as text entries. Commands are by letter entry and there is onscreen display of command choices.

AsEasyAs is a refined spreadsheet program supporting 52 columns and 200 rows. Worksheet extension is .wks and files are compatible with another popular spreadsheet program. Function keys are utilized, and operation is by use of complete on-screen menus. Aseasyas creates x-y graphs and bar charts as well.

SIG No. 652	Hi-Res Rainbow version 1.00	338.126 Bytes	v1 DS2
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Hi-Res Rainbow is a full featured paint package which includes pull down windows, icons, multiple device inputs (joystick, mouse, keyboard, tablet). A partial list of the features include connecting lines, ray, zoom, erase, draw (two modes), spray, lines, brush, box, fill, circle, arc lines, connecting arcs, undo, reflexing, and each has their own icon.

SIG No. 653	Master Key Disk Utility Program version 1.5	131.960 Bytes	v1 DS2
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This is an excellent disk maintenance program. It is fast, easy to use, and well documented. Some of the supported functions are: Modify file attributes Z view /edit by relative sector or file unerase files; the program is menu driven and works smoothly; it will handle floppies (360K and 1.2M), RAM disks, and hard drives; works under both top view and windows. Master Key works under DOS 2.0 or higher. It requires one disk drive and 128K RAM. Both color and monochrome monitors are supported. The registration fee for Master Key is \$20.00. The Turbo Pascal source code can be purchased for \$50.00. Registered users will receive documentation and notices of upgrades.

SIG No. 654	Kwikstat (disk 1 of 2)	337.022 Bytes	v1 DS2
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Kwikstat is a graphics oriented program for scientific statistical analysis. It can import ASCII files and DBF (Dbase III) files, as well as building it's own data bases. It is entirely menu controlled. The on disk documentation is not very complete, but a bound manual is included when you register for \$35.00. There is a brief tutorial with the program, but this program assumes knowledge of statistics.

- Maximum of 128 fields.
- Maximum width of a field name is 10 characters.
- Maximum width of a cell is 60 characters (15 for numbers)
- Dates are always 8 characters and logical fields are 1 characters wide.

SIG No. 655	Kwikstat (disk 2 of 2)	345.964 Bytes	v1 DS2
-------------	------------------------	---------------	--------

Kwikstat is a graphics oriented program for scientific statistical analysis. It can import ASCII files and DBF (Dbase III) files, as well as building it's own data bases. It is entirely menu controlled. The on disk documentation is not very complete, but a bound manual is included when you register for \$35.00. There is a brief tutorial with the program, but this program assumes knowledge of statistics.

- Maximum of 128 fields.
- Maximum width of a field name is 10 characters.
- Maximum width of a cell is 60 characters (15 for numbers)
- Dates are always 8 characters and logical fields are 1 characters wide.

SIG No. 656	Real Estate Systems	292.830 Bytes	v1 DS2
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RES is a menu driven program, with an easy to understand manual, which can be printed. It is an asset for any real estate office to store/retrieve information for properties for sale. RES keeps detailed records of sale and one can search for pending/closed sales at any time. It keeps agents records, current/previous year commissions and enables the user to add an agent or search records for an agent. RES generates valuable reports-office/agent commissions report, projected income report, pending/closed sales report, unsold property listing report. RES also has the added special feature of year end processing which purges all closed sales from the system.

SIG No. 657	Zuri Editor	173.382 Bytes	v1 DS2
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This diskette contains the Zuri text editor, which is a very powerful program made up of many features. Primarily, it is very easy to use; Zuri is greatly intended for someone who easily forgets the common commands. The program can edit as big a file as will fit into memory (maximum 480K in a 640K machine) and text lines can be up to 225 characters, also lines longer than 75 characters are wrapped to the next line. Zuri supports text macros with search and replace options and also block commands which are available. A great deal of documentation comes with Zuri as well as on-screen help menus. The Zuri editor works only on the monochrome adapter card. With each file follows a documentation file with extension DOC.

SIG No. 658	DOS Toolkit	72.223 Bytes	v1 DS2
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This diskette contains a small collection of programs which aid in DOS utilities and collectively are called toolkit. WC.exe is an advanced word/char/line counter plus checksummer, which supports command line wildcards. Tc.exe is an easy to read text compare program to find differences in a file. Inpath.exe is a file finder program with a twist: It locates files based upon the path variable, and uses the same extension hierarchy (com-exe-bat) that DOS does; it is similar to Whereis. All programs are documented in Toolkit.doc.

SIG No. 659	Viansoft (R) Church Contributions	260.541 Bytes	v1 DS2
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This is a user supported program to allow you to record pledged and unpledged contributions in 20 different categories, for each member of your church. It prints out a variety of reports based on this information.

SIG No. 660	Marooned Again & EMS	269.150 Bytes	v1 DS2
-------------	----------------------	---------------	--------

The Employee Management System is a system for describing a set of personality characteristics that would fit a certain job and then using them as a benchmark to test prospective employees with.

Marooned Again is a text adventure games that puts you on an alien planet with a broken ship, a bunch of clones that only respond to two word commands and an alien ship that requires an entirely logical solution to make work. Be warned, when they say logical, they mean logical.

SIG No. 661	Resicalc version 1.0	83.430 Bytes	v1 DS2
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Resicalc v.1.0 is a memory-resident calculator which can be popped-up whenever needed.

SIG No. 662	Databoss version 3.00.01 (disk 1 of 2)	174.207 Bytes	v1 DS2
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Databoss is a data base with flexible report generation and the ability to import and export data to Wordstar, PC-File III, DW III and many other programs. Databoss runs in Basic and needs DOS 3.xx and a hard disk for full functioning. It will run with DOS 2.xx and two floppies.

SIG No. 663	Databoss version 3.00.01 (disk 2 of 2)	210.704 Bytes	v1 DS2
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Databoss is a data base with flexible report generation and the ability to import and export data to Wordstar, PC-File III, DW III and many other programs. Databoss runs in Basic and needs DOS 3.xx and a hard disk for full functioning. It will run with DOS 2.xx and two floppies.

SIG No. 664	Educational Mix	246.864 Bytes	v1.0 DS2
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This diskette contains a mix of educational programs designed to help both the teacher and the student. The first program, register, is a grade database that will keep track of students' marks by course. This is a fully featured demo version of the larger register package. The Atlas Software Group has developed three color graphics and sound programs to drill students on history, our solar system and mathematical factors. Another program will generate star charts. Each program has well developed on-line documentation and register comes with over 40K of documentation.

SIG No. 665	PC Demonstration System	254.037 Bytes	v1 DS2
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PC Demonstration system is an excellent program for putting together a presentation on the system or laying out the specifications of a package. It consists of three sections - a screen formatter to set up screens, a demo maker which specifies how the screens are to be displayed and demo run which actually executes the demonstration.

SIG No. 666	Structured Programming Language	157.853 Bytes	v1.0 DS2
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This diskette contains a very powerful and easy to use Structured Programming Language (SPL). SPL is a hybrid mix of structured Basic with Pascal style programming architecture. For example, the language revolves around procedures, functions and programming blocks defined by begin and end statements. The language has powerful mathematical operators. SPL's compiler produces a program from the SPL source code, which is then executed from DOS. A reference manual is also included. This package is intended for the experienced IBM-PC user.

SIG No. 667 The Writer's Toolkit 165.862 Bytes v1 DS2

The Writer's Toolkit is a collection of 20 executable utility programs inspired by Kernighan and Pike's software tools. Most of the utilities are filters that process text files. These utilities include: Converting lower case to upper case and upper case to lower case, encrypting and decrypting files etc.. each utility has a well written and concise documentation file. The doc files give examples for each utility.

The most interesting program is Memo. This program will display memos that have the same date as the system date. Calendar displays the calendar for any given month. You will need to have a Config.sys file that has the command "device=ansi.sys" in it in order for the calendar to be displayed correctly. Calendar works for dates between 1901 and 1989.

The Writer's Toolkit is user-supported with a \$15.95 registration contribution requested to support further development of the software.

SIG No. 668 World version 1.0 125.345 Bytes v1 DS2

This program is a data base of statistics and demographics for nations of the world. It's easy to use. It is completely menu driven. Just start it up and give it a try. The information was extracted from the Encyclopedia Britannica Year Book and other sources.

SIG No. 669 Graphtime II v. 2.5a (disk 1 of 2) 247.549 Bytes v1 ds2

This two disk demo set contains a business presentation graphics program of considerable power. Graphtime II does various line, column and pie charts. The charts can be printed or plotted, viewed individually, or set up to run as an unattended slide show on the monitor.

Graphtime accepts data from Dbase II/III, Multiplan, and Lotus, or you can enter data directly into Graphtime.

SIG No. 670 Graphtime II v. 2.5a (disk 2 of 2) 320.345 Bytes v1 DS2

This two disk demo set contains a business presentation graphics program of considerable power. Graphtime II does various line, column and pie charts. The charts can be printed or plotted, viewed individually, or set up to run as an unattended slide show on the monitor.

Graphtime accepts data from Dbase II/III, Multiplan, and Lotus, or you can enter data directly into Graphtime.

SIG No. 671 Freeway Payroll System (disk 1 of 3) 323.243 Bytes v1

Freeway Payroll programs can accommodate weekly, fortnightly, four weekly and monthly pay frequencies. The programs provide for: Payslip stationery (obtain

able from Freeway) bank giro's and payment lists, cheque printing, internal pension schemes with fixed sum or percentage contributions, additional voluntary contributions, up to 99 departments each with a coin analysis and cost of payroll total, create your own headings for taxable and non-taxable additions to pay - and post tax deductions and produce lists of amounts deducted / paid under these headings. Year-end documentation includes P35 and P60 forms (obtainable from Freeway). Accommodates statutory sick pay. Password protection. The user may change tax rates and bandwidths, earnings brackets etc.. Bulk payee code change facility. Program was written with the european software market in mind.

SIG No. 672 Freeway Payroll System (disk 2 of 3) 189.266 Bytes v1

Freeway Payroll programs can accommodate weekly, fortnightly, four weekly and monthly pay frequencies. The programs provide for: Payslip stationery (obtainable from Freeway) bank giro's and payment lists, cheque printing, internal pension schemes with fixed sum or percentage contributions, additional voluntary contributions, up to 99 departments each with a coin analysis and cost of payroll total, create your own headings for taxable and non-taxable additions to pay - and post tax deductions and produce lists of amounts deducted / paid under these headings. Year-end documentation includes P35 and P60 forms (obtainable from Freeway). Accommodates statutory sick pay. Password protection. The user may change tax rates and bandwidths, earnings brackets etc.. Bulk payee code change facility. Program was written with the european software market in mind.

SIG No. 673 Freeway Payroll System (disk 3 of 3) 335.152 Bytes v1

Freeway Payroll programs can accommodate weekly, fortnightly, four weekly and monthly pay frequencies. The programs provide for: Payslip stationery (obtainable from Freeway) bank giro's and payment lists, cheque printing, internal pension schemes with fixed sum or percentage contributions, additional voluntary contributions, up to 99 departments each with a coin analysis and cost of payroll total, create your own headings for taxable and non-taxable additions to pay - and post tax deductions and produce lists of amounts deducted / paid under these headings. year-end documentation includes P35 and P60 forms (obtainable from Freeway). Accommodates statutory sick pay. Password protection. The user may change tax rates and bandwidths, earnings brackets etc.. Bulk payee code change facility. Program was written with the european software market in mind.

SIG No. 674 Enable Reader Speech System v3.0 4.105 Bytes v1.0 DS2
(1 of 4)

The Enable Reader 3.0 speech system is actually two programs in one. The full screen speech review system is designed for visually impaired and blind people. With full screen speech review, a visually impaired person has access to the wide selection of commercial software available for DOS compatible machines, such as the IBM PC and dozens of other machines. Whether it is Wordstar, Dbase, or Lotus 1-2-3, a visually impaired person can now use these programs efficiently.

The second program built into the Enable Reader 3.0 speech system is the talking tutorial programmer's aid. Professional programmers now have access to many of the speech functions of the Enable Reader 3.0 speech system for writing talking tutorials for their software. This gives blind and visually impaired people the best of both worlds. One, they have access to the review mode of the Enable Reader 3.0 speech system for running commercial software. and two, any program that is written with the talking tutorial programmer's aid will run for them.

This system consists of 4 disks. They are as follows:

Disk no. 674 is the main program disk. Disk no. 675 contains the manual.

Disk no. 676 contains the votrax word processing programs.

Disk no. 677 contains the dectalk word processing programs.

SIG No. 675	Enable Reader Speech System v3.0 (2 of 4)	352.522 Bytes	v1.0 DS2
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For a description of this disk, see the listing for disk no. 674.

SIG No. 676	Enable Reader Speech System v3.0 (3 of 4)	169.457 Bytes	v1.0 DS2
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For a description of this disk, see the listing for disk no. 674.

SIG No. 677	Enable Reader Speech System v3.0 (4 of 4)	160.245 Bytes	v1.0 DS2
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For a description of this disk, see the listing for disk no. 674.

SIG No. 678	The Golden Wombat of Destiny	226.864 Bytes	v1
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This is one of the better text adventure games we have seen. The program is able to handle full sentence commands, much in the same way the programs from Infocom. Even though the program is a text adventure, it does require a Color Graphics Adapter. This is due to the ability it has to change the color of the screens and the text to fit the wishes of the user. The quest covered in the game is to discover the forbidden city of the great lost empire and unearth the mysteries it contains. One thing of note: This program was submitted to the library from our growing pool of authors in England and Europe.

SIG No. 679	IT (Ideal Terminal) version 1/3/87	91.438 Bytes	v1
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This is Ideal Terminal (IT for short), a VT-100 and VT-52 terminal emulator and communications program for the IBM PC, XT, AT, and compatible computers.

To use it, your PC needs to be equipped with version 2.0 (or later) of DOS and an asynchronous communications adapter (com1 or com2). It will work with either monochrome or color graphics display adapters.

With it, you can use your PC as a terminal connected directly to a mainframe computer or other device, such as a PROM programmer or an in-circuit emulator. The machine at the other end of the connection is called the host throughout the user's guide.

SIG No. 680 Forge version 2.0

251.269 Bytes

v1

Forge is a Turbo Pascal and Dbase III programmer's aid. It allows the programmer to design data input forms or help screens, then generate Turbo Pascal or Dbase III source code for those forms. This source code can then be compiled and used as is for data entry, or it can be included as a procedure within a larger more comprehensive program. Since this is a utility for Turbo Pascal and Dbase III, a working knowledge of these programming languages is assumed.

The concept of Forge is somewhat analogous to word processing. With a word processor you can write, review, change, insert, delete and otherwise perfect your text before committing it to its final form. Forge allows you to do the same thing with a data input form or information screen. Some of the outstanding features of Forge are that you can: Fill an area on the screen with color, without affecting the characters that are already on the screen, insert or delete lines from the screen, define areas on the form for entering data, define data entry areas as string, integer, or real data types, use IBM graphics characters to draw boxes etc., and use blinking characters.

SIG No. 681 PC-Type+ by Jim Button (disk 2 of 3) 308.502 Bytes

v1.1

PC-Type+ comes equipped with all of the standard word processing features: Full screen editing and complete cursor control; plus many advanced features; mail merge that works hand-in-hand with PC-File databases, Wordstar files and straight ASCII files; 100,000 word fault finder that checks for misspellings; whoops key to recover up to 10 lost or deleted lines; on-screen help for quick reference or in-depth explanations and more! This is disk 2 of a 3-disk set. The other disks in the set are #455 and #682.

SIG No. 682 PC-Type+ by Jim Button (disk 3 of 3) 268.469 Bytes

v1.1

PC-Type+ comes equipped with all of the standard word processing features: Full screen editing and complete cursor control; plus many advanced features; mail merge that works hand-in-hand with pc-file databases, Wordstar files and straight ASCII files; 100,000 word fault finder that checks for misspellings; whoops key to recover up to 10 lost or deleted lines; on-screen help for quick reference or in-depth explanations and more! This is disk 3 of a 3-disk set. The other disks in the set are #455 and #681.

SIG No. 683 Buttonware Adventures

169.897 Bytes

v1

This diskette contains two of J. Button's adventures in his adventure series. In the first game, Castaway, Button shipwrecks you on a small island without supplies; it's your problem to get home. This adventure is built for those novice adventure players, says Button. The next adventure is more educational as you are to travel throughout south america collecting information for the United States. Players learn basic geography playing this adventure. Each adventure is well documented during program execution.

SIG No. 684	Pageone	262.297 Bytes	v1
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The Pageone programs provide a powerful, flexible document processor for small to medium size files, whose major emphasis is print formatting.

SIG No. 685	New Fig Forth	178.455 Bytes	v1
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New Fig Forth is a programming language similar to that of Forth, it is fast, powerful & in many ways lives up to many more expensive programming languages.

SIG No. 686	Helpdos	213.832 Bytes	v1
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Helpdos is a menu driven program which provides a quick reference to DOS 2.0 commands and functions. The system provides a wealth of information on all aspects of DOS. This is an excellent program for novice computer users. Helpdos will run on a PC (or compatible) with 128 K of memory & 1 disk drive.

SIG No. 687	In-Control (disk 1 of 3)	112.454 Bytes	v1
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This is a powerful system, but all information you need is on-line. At every main level or menu, there is a help screen. Fast search option lets you retrieve names, activities, or messages by any word or words that you have entered into the comments section. Other search options include first or last name, phone number, city, or zip code. You can retrieve summary information on 10 consecutive people out of 1,000,000 in 8 seconds! An electronic rolodex with detail information on people: Name, address, zip, city, comments, and 'referred by' for up to 1,000,000,000 of them. The person file contains all of those names that you would normally put into a rolodex system. From this list you can generate reports sorted by name, address, city, zip and phone number. Ability to annotate appointments before & after the fact. A reminder of today's appointments and commitments, with full notes made at the time of information input. Ability to annotate expenses & keep an expense log for all activity and appointments. 4 different appointm. schedules, including 'today's appointments', as well as an on-line graphics display of appointments for any 14 day period.

SIG No. 688	In-Control (disk 2 of 3)	333.006 Bytes	v1
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This is a powerful system, but all information you need is on-line. At every main level or menu, there is a help screen. Fast search option lets you retrieve names, activities, or messages by any word or words that you have entered into the comments section. Other search options include first or last name, phone number, city, or zip code. You can retrieve summary information on 10 consecutive people out of 1,000,000 in 8 seconds! An electronic rolodex with detail information on people: Name, address, zip, city, comments, and 'referred by' for up to 1,000,000,000 of them. The person file contains all of those names that you would normally put into a rolodex system. From this list you can generate reports sorted by name, address, city, zip and phone number. Ability to annotate appointments before & after the fact. A reminder of today's appointments and commitments, with full notes made at the time of information input. Ability to annotate expenses and keep an expense log for all activity and appointments. 4 different appointm. schedules, including 'today's appointments', as well as an on-line graphics display of appointments for any 14 day period.

SIG No. 689	In-Control (disk 3 of 3)	153.031 Bytes	v1
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This is a powerful system, but all information you need is on-line. At every main level or menu, there is a help screen. Fast search option lets you retrieve names, activities, or messages by any word or words that you have entered into the comments section. Other search options include first or last name, phone number, city, or zip code. You can retrieve summary information on 10 consecutive people out of 1,000,000 in 8 seconds! An electronic rolodex with detail information on people: Name, address, zip, city, comments, and 'referred by' for up to 1,000,000,000 of them. The person file contains all of those names that you would normally put into a rolodex system. From this list you can generate reports sorted by name, address, city, zip and phone number. Ability to annotate appointments before and after the fact. A reminder of today's appointments and commitments, with full notes made at the time of information input. Ability to annotate expenses and keep an expense log for all activity and appointments. 4 different appointment schedules, including 'today's appointments', as well as an on-line graphics display of appointments for any 14 day period.

SIG No. 690	Best-Plan Planning System	349.652 Bytes	v1
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The general goal of designing a linear programming planning system like Best-Plan was to put the maximum amount of analytical power into the hands of the people directly concerned with the problem, to require only a minimum of specialized knowledge or experience on the part of the user, and at the same time giving him the advantages of mathematical modeling for planning.

SIG No. 691	Best-Plan Planning System	5.283 Bytes	v1
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The general goal of designing a linear programming planning system like Best-Plan was to put the maximum amount of analytical power into the hands of the people directly concerned with the problem, to require only a minimum of specialized knowledge or experience on the part of the user, and at the same time giving him the advantages of mathematical modeling for planning.

SIG No. 692	Astrosoft Ephemeris (Ace) disk 1 of 2	330.607 Bytes	v1
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Acecalc is a program that performs the most needed astronomical calculations involving the sun, moon and planets. The menu displays the local time, date and time zone name, universal time, local mean sidereal time, julian day, and the name of the location designated in the installation. Acecalc will also print a calender for any month and provides a DOS shell.

Acesolar provides information on objects in the solar system. The first two menu selections provide numeric data on the sun, the planets and their satellites. The next function displays narrative descriptions of the sun and planets. The observational data provides information on observing the planets.

Install generates the Site.dat file used by Acecalc. Running this program displays the current site information. Changes can be made by moving the cursor and typing in the new data.

SIG No. 693	Astrosoft Ephemeris (Ace)	disk 2 of 2	344.070 Bytes	v1
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Acecat is a sky catalog program that will allow the user to search the sky catalog for objects by name, catalog number, position(r.a./declination), object type, and constellation.

SIG No. 694	Sleuth	version 4.1	152.830 Bytes	v1
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This interesting crime solving game will work on a black and white monitor, and only needs the keyboard and disk for input. The objective is to determine among six suspects which one has committed a murder, discover his or her murder weapon, find the location that the murder took place, and accuse the murderer in everyone's presence. Unfortunately, the guilty one quickly tires of the investigation and plots to end the game for you prematurely.

SIG No. 695	EZ-Spreadsheet		209.884 Bytes	v1
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EZ-Spread is a fast, efficient, and ideal tool to let you easily solve your math related home or business problems (however, it's a good idea not to let your kids see EZ-Spread or else it will be doing their math homework for them). In most cases, you can just enter your own data into the worksheet and EZ-Spread will do all the calculations for you (my 9-year old has been eying this capability). Applications for the home include calculating budgets, loans, savings plans, etc.. Business applications include everything from simple loan calculations to complete financial statements.

SIG No. 696	Qubecalc		259.434 Bytes	v1
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Qubecalc is a spreadsheet with advanced features found only in spreadsheets hundreds of dollars more expensive. Additionally it has features which are so unique it would be hard to find them anywhere else at any price.

SIG NO. 697	The Front Office	(disk 1 of 3)	316.968 Bytes	v1
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The Front Office is a control system for prospecting, sales management, sales order processing, job costing, and profit analysis. It is designed specifically for direct sales businesses but can be easily adapted to many other types of businesses. The system is very easy to setup and operate. System requires 256K of memory, a 10 MB (or greater) hard disk or two 720K micro floppy disk drives.

SIG No. 698	The Front Office	(disk 2 of 3)	202.281 Bytes	v1
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This disk contains the data files used by the Front Office program on disk #697.

SIG No. 699	The Front Office	(disk 3 of 3)	277.626 Bytes	v1
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This disk contains the documentation portion of the Front Office.

SIG No. 700 Mealmate and Others

229.779 Bytes

v1

Mealmate is a planning aid for people preparing meals for someone on a carefully controlled diet. Mealmate is an easily operated program that can present nutritional information on many common foods. It can also combine the information from meal plans or menu's to check the total nutritional content of a planned diet. Mealmate should make it easier to plan more varied meals or to help in choosing substitutes for hard to find diet items. Mealmate should be a big help to anyone preparing meals that have to meet strict requirements for calories, proteins, carbohydrates and fats.

SIG No. 701 DanCad3D version 1.30
(disk 1 of 4)

353.455 Bytes

v1

DanCad3D will let you do complex tasks like stereoscopic 3D wire frame animation or just draw simple things like a letter head. DanCad3D is a program that lets you draw with lines. These lines can be in a plane, like drawing on a piece of paper (2D drawing). Or they can go any direction in space (3D drawing). Three dimensional drawings made of lines are called wire frame drawings. You can separate groups of lines into "elements" that can be: Saved, loaded, magnified, rotated, flipped, offset (moved), and used over and over again, by keeping them as a file on a disk (give them names like cube, sphere, and cylinder).

DanCad3D prints out very sharp lines and is useful for: Line drawings, mechanical drawing, technical illustration, wire-frame animation, engineering simulation to verify the fit of three dimensional shapes, business forms, page layout combining text and drawings, and automatic computer "slide" shows.

SIG No. 702 DanCad3D - demo examples
(disk 2 of 4)

354.809 Bytes

v1

DanMovie works with DanCad3D to animate screens saved as pixel bit maps. DanCad3D can print out or plot the drawings at very high resolution (greater than 4 million pixels) if you like the way the animation looks using DanMovie. DanMovie is a useful engineering tool since you can program DanCad3D to make an animated close-up of parts in a layout drawing. In that way you can confirm the fit of moving parts. You can also program DanCad3D to produce an animated perspective view of the whole assembly with all its parts in motion!

SIG No. 703 DanCad3D - demo examples
(disk 3 of 4)

354.810 Bytes

v1

DanMovie works with DanCad3D to animate screens saved as pixel bit maps. DanCad3D can print out or plot the drawings at very high resolution (greater than 4 million pixels) if you like the way the animation looks using DanMovie.

DanMovie is a useful engineering tool since you can program DanCad3D to make an animated close-up of parts in a layout drawing. In that way you can confirm the fit of moving parts. You can also program DanCad3D to produce an animated perspective view of the whole assembly with all its parts in motion!

SIG No. 704	DanCad3D - demo examples (disk 4 of 4)	354.936 Bytes	v1
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DanMovie works with DanCad3D to animate screens saved as pixel bit maps. DanCad3D can print out or plot the drawings at very high resolution (greater than 4 million pixels) if you like the way the animation looks using DanMovie.

DanMovie is a useful engineering tool since you can program DanCad3D to make an animated close-up of parts in a layout drawing. In that way you can confirm the fit of moving parts. You can also program DanCad3D to produce an animated perspective view of the whole assembly with all its parts in motion!

SIG No. 705	Kidgames	255.173 Bytes	v1
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This disk contains a collection of games specifically geared toward the ages of 2-10 years of age. Your children will not only have fun with these games but will also learn from them.

SIG No. 706	NamePal	265.223 Bytes	v1
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NamePal, the complete automatic address book. It keeps your lists of names, address, phone numbers, and related comments on your computer, and then print them out in a pocket-size "book" that you can use anywhere. And you can code your data to keep track of club members, birthdays, babysitters, or any other grouping that is important to you. NamePal also performs other handy tasks, like printing mailing labels, Rolodex card files, and full-page posters. NamePal is completely menu driven and also has online help screens.

SIG No. 707	Curvefit version 2.10A	221.707 Bytes	v1
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This program performs a least squares curve fit on X, Y data. Curves for 25 equations are fitted. Equation coefficients, correlation coefficient, and best fit are computed. For any of the 25 equations, predictions for Y can be calculated.

SIG No. 708	Backgammon, Foreign Language Hangman and Wheel	232.821 Bytes	v1
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Backgammon is finally here for your PC! Now you can play against a strong opponent on your own computer! If you've never played before, or if you're the champion of your local club, this program will fill the role of instant opponent. For the real aficionado, the program keeps track of points, games, gammons, and backgammons.

NorSoft Foreign Language Hangman is an excellent educational program for learning Spanish, or for learning English for those people who speak Spanish. While being educational this program is very entertaining. This program includes three variations on the basic Hangman game. The first version is guessing what the secret word is while in the second version you must guess an entire phrase. The last is called Personalized Hangman, which can be played by 2-9 players who enter a word or phrase to try to stump the others. This program is quite useful for building up your vocabulary or for learning basic grammar. This program can handle either a color or monochrome monitor.

SIG No. 709	Dmaster, PC-Cryp2 and InstaCalendar	168.538 Bytes	v1
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The Dmaster utility prints diskette labels on 5" x 1 7/16" label stock. This size label just fits on the top of a standard 5 1/4 inch diskette. The program supports Epson, IBM and Okidata printers with plug 'n play. Many options are provided.

PC-Cryp2 has two main functions: Demonstration of the Vernam encryption and decryption process using test character strings and the encryption and decryption of both sequential and random access files.

InstaCal is a program which will generate a full page calendar for any month (or an entire year) for any time from 1600 to 2050 a.d.. Calendars can be printed or shown on the screen. The program will run on any IBM-PC or compatible running DOS version 2.11 or higher. The documentation is less than one screen long but gives all the help needed to use this program..

SIG No. 710	InstaCalc	149.342 Bytes	v1
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InstaCalc is a full featured spreadsheet program with an interesting twist, the twist is that the program is "memory resident". What this means is that when first run (when you type insta and press return) nothing appears to happen, InstaCalc has simply been loaded into memory and is now waiting for you to "call it up" by pressing alt-i. InstaCalc will wait patiently while you type a letter with your word processor or update your database or whatever, then when you press the magic alt-i there it is ready to serve you.

But aside from that it has some more useful reasons for existing, for example suppose you wanted to add a table of figures from your spreadsheet into a letter you were typing on your wordprocessor, Instacalc allows you to do this automatically in one step.

SIG No. 711	Bonzo-Ware	242.754 Bytes	v1
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This disk contains an adult-oriented game, which features trivia games (for one or two players), a version of strip trivia, a version of strip poker, and a poker machine like they have in Las Vegas. The questions covered by trivia section range from entertainment and sports to science and sexually related questions. Penalties for missing a question or losing a hand in either of the strip games included removing article of clothing, drinking one ounce of an alcoholic liquid, telling a stupid joke, or trying to say a tounge twister.

SIG No. 712	Japanese for Business and Travel v.1.1	226.369 Bytes	v1
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This tutorial is designed to perform as a teacher, when no teacher is available. It keeps track of your errors and emphasizes those areas. It should only be used by one individual at a time, so as to not confuse the built-in teacher.

This tutorial is composed of questions about vocabulary, grammar, and culture. The questions are of the fill-in type, multiple choice, and matching. The course assumes no prior knowledge of Japanese. Be advised that the material is challenging, but anything worth knowing has it's price. Don't get discouraged.

SIG No. 713 S.B.S Game Pak #1

326.699 Bytes

v1

This disk contains some of the best computerized card games available for the IBM PC. We have here versions of Bridge, Canasta, Hearts, and Draw Poker. All programs and documentation can be accessed from a main menu.

SIG No. 714 S.B.S Game Pak #2

119.011 Bytes

v1

This disk contains two very entertaining games which will entertain kids of all ages. The first, Dots, is the game all of us played when we were in grade school. You start with a page full of dots. Taking turns you and the computer draw either a vertical or horizontal line between two dots. Whoever draws a line which completes a square, take possession of that square and get one point.

Labbits & Voldrons is a new arcade game which sounds simple but can become complicated very quickly. You are in charge of keeping the Labbits from breaking out of their cage and making it to the food storage area. You also must keep the some-times invisible Voldron invaders from getting to the storage area, or all will be lost. All programs and documentation can be accessed from a main menu.

SIG No. 715 NewsBase

193.479 Bytes

v1

Newsbase is a convenient and powerful database application designed to help one keep track of the contents of each issue of a periodical. It can be useful to publishers of journals, magazines, news and newsletters, as well as television and radio broadcasters. For an article a description, synopsis, or key words and phrases are entered in along with the column number, page number, volume, and issue date. The search function can then find the article related to a particular subject by entering a key word or phrase, or it can list all the descriptions of articles entered within a certain time frame specified by the user. Afterwards a hardcopy of this information can be listed to the printer or it can be saved for later use to ASCII file. This program is quite useful for organizing information in books or periodicals and for its rapid retrieval.

SIG No. 716 Church Prospect Information System

115.517 Bytes

v1

Church Prospect Information System is a program that can organize large amounts of information for your convenient use. It can be used in businesses and large member organizations as well as churches. A typical profile will contain a person's name, the address, marital status, birth date, home and work phone numbers, number of children, employer and occupation, church status, and date of last visit. All that needs to be done is to fill in the blanks, and afterwards one can modify, print out, or browse through a file.

An additional commentary can be added to each personal profile. This program is capable of printing out alphabetic listings, profile data sheets, visitation worksheets, and contact/decision sheets. The latter shows the type of prospect, how contacted, number of contacts, and number of decisions. While handling large amounts of information this program has broadly defined uses. A color graphics card is required.

SIG No. 717	SuperCom and Dialer	128.327 Bytes	v1.0	DSSD
-------------	---------------------	---------------	------	------

SuperCom is an easy to use modem communications program. SuperCom only supports Xmodem protocol, 1200 to 9600 baud rates and Hayes compatible modems. However, this makes SuperCom very easy to use. And it is powerful enough for most communications needs. Perhaps it will get more people online. After you push "F5" to dial, you can not interrupt until the cycle is complete, and that can sometimes be annoying if there is a problem.

The Dialer program requires the modem to be on Com 1. Dial allows the creation and maintenance of a phone number database with computer dialing.

SIG No. 718	LQ Printer Utility	310.762 Bytes	v1
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LQ is an impressive printer utility which allows using your inexpensive dot matrix printer to print a variety of fonts in near letter quality. LQ supports Epson printers as well as several others. A character editor is also provided to allow you to modify or create your own font sets.

This disk also provides a program named BigPrint which allows you to print out large letter banners on your printer (using any of the same fonts that LQ uses).

SIG No. 719	LetterWriter version 3.1	129.946 Bytes
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LetterWriter is an electronic address book and a whole lot more. Use LW to perform all of your mailings and write all of your letters to all of your correspondents. LW will print letters, mailing labels, the list of addresses and envelopes.

SIG No. 720	Cronum's Castle by Matt Ashcraft & Richard Tonsing	74.914 Bytes	v1
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Here is the first prize winner in PC-SIG's "Write an Adventure Module" contest. The adventure contained on this disk must be used in conjunction with the main adventure program on disk #297 in our library.

SIG No. 721	Lord of the Underland by Justin Langseth	87.751 Bytes	v1
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Here is the second prize winner in PC-SIG's "Write an Adventure Module" contest. The adventure contained on this disk must be used in conjunction with the main adventure program on disk #297 in our library.

Norton Utilities Version 5.0

Reprint KontorBladet/- sept. 1990

Norton er endnu engang barslet med en ny version af sine hjælpeprogrammer "Norton Utilities". I modsætning til tidligere, har den nye version undergået mange ændringer. Der er ikke tale om en gammel version med et par nye programmer, men om et helt nyt program, der via en ny indgangsvinkel, giver selv ikke kyndige edb brugere mulighed for let at redde data m.v.

De gamle versioner af Nortons utility programmer kom på én diskette. Version 5 kommer på 6 stk. 360Kb 5 1/4" disketter, (eller 3 stk. 720Kb) hvoraf de tre indeholder pakkede filer!

Sammenlagt fylder alle programmerne 2,5 Mb fordelt på 29 filer.

De forskellige utilities kan kaldes fra en menu, eller kaldes direkte fra DOS. Kalder man programmerne fra menuen får man tillige en kort orientering om, hvad programmet kan anvendes til, hvilke parametre programmet kan kaldes med, og i flere tilfælde, en henvisning til den skrevne manual. Da programmet er specielt rettet på at afhjælpe datafejl, er der tillige indlagt en "ordbog" med de mest almindelige DOS fejlmeddelelser. Her kan man få en uddybende forklaring på, hvad fejlen beror på, og hvordan man kan afhjælpe den ved hjælp af Norton Utilities. Nærmere kan det vist ikke gøres.

Norton Utilities version 5.0 benytter rullegardin menuer som adgang til special opsætning, valg af undermenuer m.v. Menuerne kan aktiveres med <Alt> eller ved hjælp af musen. Musen kan anvendes i hele programmet.

Hovedmenuen deler hjælpeprogrammerne op i 4 klasser Speed, Security, Recovery og Tools. Hver af disse klasser indeholder flere underprogrammer. Mange af programmerne samler flere af tidligere versioners programmer. Således indeholder version 5's FileFind tidligere versioners File Attributes, File date/time, Find File, File Information, File Size, List Directory og Text Search. Det eneste hjælpeprogram man ikke finder i Version 5, er de tidligere versioners LinePrint, der var hjælpsom til udskrivning af tekstfiler.

SPEED

Speed gruppen består af de tre programmer Calibrate, Norton Cache og Speed Disk.

Her kender vi Speed Disk, der anvendes til optimering af fragmenterede filer på harddisken. I version 5 har brugere mulighed for at sortere filer og biblioteker i forbindelse med optimeringen m.v. Superbrugere kan selv bestemme opdateringsproceduren.

Calibrate anvendes til at analysere og vedligeholde harddiskens lowlevel formatering. Man kan analysere, om man ved at skifte interleave kan forøge diskens hastighed, og hvis dette er tilfældet, kan Norton lave en ny lowlevel formatering med ny interleave, uden at data går tabt. Dette kræver normalt et specielt program, der alene koster det samme som Norton Utilities.

Norton Cache er et cache program, der udnytter extended og expanded memory. I dag hvor næsten alle pc'ere leveres med 1 Mb ram, kan man ved at ofre 5k i den normale RAM, lave en cache i de ellers ubrugelige 384Kb extended ram. Norton Cache analyserer selv disk og diskcontroller, således at man altid får den optimale udnyttelse.

SECURITY

I denne gruppe finder vi WipeInfo, der tidligere var to programmer. WipeInfo anvendes til at slette oplysninger på disken, således at de med garanti ikke kan reetableres.

Disk Monitor programmet anvendes til tre forskellige ting. Hvis den disk, man anvender, er placeret væk fra skærmen (f.eks. i netværker), kan man få vist en lille lampe, der viser, når disken arbejder. Programmet kan parkere læse/skrive hovederne, og endelig kan man bede programmet sørge for, at der ikke bliver skrevet på bestemte områder eller filer uden at brugeren giver lov. Herved kan man sikre, at nye programmer ikke "ved et tilfælde" kommer til at inficere computeren med en virus.

RECOVERY

Norton blev kendt på programmet til at finde filer frem på harddisken igen. Senere kom Quick Unerase, og nu er der kommet endnu flere muligheder.

Version 5 har en ny og forbedret version af Disk Doctor, der anvendes til at redde harddisken. Disk Doctor kan afhjælpe Cross-linkedede filer, afvigelser i

FAT'en, katalogstrukturer, lost clusters, partitions table, boot records, teste for dårlige områder m.v. Programmet har endog et fortrydelsesprogram, Undo, der kan anvendes, hvis man undervejs eller efter fortryder.

File Fix er en nyhed, som mange Lotus og dBASE brugere vil glæde sig over. Programmet kan redde beskadigede Lotus 1-2-3, Symphony og dBASE filer, samt finde Zapede dBASE filer frem igen.

Unformat anvendes til at hente data frem fra en diskette/disk, man ved et uheld har formateret. Hvem har ikke "hørt" om en god ven eller kollega, der har råbt højt over tabet af flere ugers arbejde...

Image tager et billede af den aktuelle disk, dens opbygning og indhold. Programmet kan med fordel indlægges i AUTOEXEC.BAT, således at man får en ny kopi, hver gang man starter computeren. Image forbedrer chancen for at kunne redde data, hvis den helt store katastrofe skulle indtræffe.

FileSave sikrer, at man først udnytter al fri og tidligere ubenyttet diskplads, før man overskriver områderne med slettede filer. Dette sikrer, at man igennem lang tid kan genkalde slettede filer med Unerase.

Unerase er en kombination af de gamle Quick Unerase og Norton Utility, samt meget mere. Man kan nu søge efter slettede filer på navn, dato og indhold, og gennemse filen, før man redder den. Programmet kommer ud med en prognose om, hvor stor sandsynlighed der er for at redde filen.

Disk Editor er en videreudvikling af det gamle Norton Utility, til editering af sektoren på harddisken. Programmet tillader nu split screen, cut and paste, data link og supporterer brugen af mus. Herved kan man hurtigt pege, flytte, klippe, klistre o.s.v. Man skal se det, før man tror det.

Disk Tools er specielt rettet til redning af disketter.

TOOLS

Tools er små hjælpeprogrammer, der hjælper brugeren lettere gennem dagligdagen.

Med Nortons kontrol center, kan man bestemme markørens størrelse, skifte skærmarfarver, ændre tastaturets og musens hastighed, konfigurere de serielle porte, tænde for op til fire forskellige stopure (velegnede for konsulenter m.v.), ændre

antallet af linier på skærmen, ændre dato og tid i computerens indbyggede ur m.v.

Find File er en god hjælp, hvis man ikke kan finde brevet til moster Karen. Man kan søge efter filer på navn, indhold, datointerval størrelse, filattributter og mange mange andre optioner. Søgningen kan ske begrænset på ens egen computer, eller på hele netværket. Når filen er fundet, kan man få den vist på skærmen. Desværre ikke ved hjælp af en Viewer, som Norton ellers har indført i programmet Norton Commander.

Norton Change Directory bruges til at oprette, slette og vedligeholde biblioteksstrukturen på harddisken. Man får vist strukturen grafisk som et træ, og kan derved hurtigt skifte fra bibliotek til bibliotek.

Batch Enhancer er hjælpsom for brugere, der selv laver batch filer, og savner muligheden for at indbygge en dialog med brugeren. Med batch enhancer kan man indlægge lyd (beep), stille spørgsmål til brugeren o.m.m.

Safe Format er et formateringsprogram der udmærker sig ved at være hurtigere end DOS'es format, selv finde ud af hvilken type diskette man vil formatere, forhindre formatering af harddisken ved et uheld m.v. Før man formaterer en diskette med indhold, får man vist en liste over de filer, der ligger på disken. Ved installation af programmet, omdøber Norton DOS'es formateringsrutine og indlægger sin egen under navnet format. En smart men fræk detalje.

Et af Nortons mest kendte programmer er System Information. Næsten alle computer leverandører bruger Nortons SI til at vise, hvor hurtigt netop deres computer er i forhold til konkurrenternes. I de tidligere versioner af Norton Utilities, fik man besked om, hvordan ens computer var sammensat, med antal porte, BIOS dato m.v. og et hastighedsindex. Version 5 giver flere informationer. Helt nøjagtigt 9 tæt skrevne A4 sider. Udover index på CPU og disk, systemenheden og skærmen, får man nu en udførlig oplysning om hard- og software interrupts (kan bruges til fejlfinding ved adresse konflikter m.v.), COMS værdier, hukommelsesoplysninger (RAM), DOS'es memory blokke (hvem optager hvilken plads i hukommelsen). Programmet oplyser om TSR programmer og device drivere, en udførlig liste over tilgængelige diske og deres opbygninger, samt endelig indholdet i AUTOEXEC.BAT og CONFIG.SYS filerne.

MANUAL

Kontorbladets testhold var så heldig, at få en af de første versioner af Norton Utilities version 5 i Danmark. Prisen herfor var, at vi måtte undvære den skrevne manual. Programmets interne manual er dog så god, at man uden videre kan benytte programmet.

Når De læser disse linier, skulle både programmet og manualen ligge ude hos forhandlerne.

PROGRAMKRITIK

Norton har gjort det igen. Version 5 af Norton Utilities lever helt op til de tidligere versioner, samt giver brugeren endnu flere muligheder for at genfinde data. Selv om programmet er blevet væsentligt større og i stand til at udbedre flere fejl, er det ikke gået ud over brugervenligheden. Hvis brugeren ikke ønsker at anvende programmets mange a-

vancerede funktioner, bruger man bare standardopstillingen.

Mange køber først et utility program, når uheldet har fundet sted. Dette er Norton klar over, hvorfor man får en udførlig advarsel under installationen af programmet. Hvis du installerer dette program på din harddisk, kan du ikke finde de data frem igen, som lå på det område, hvor Norton Utilities kommer til at ligge. Vil du fortsætte? Det kan man kalde brugervejledning.

Det er meget lidt negativt testholdet kan påføre programmet. Vi savner det gamle LinePrint program og kunne ønske os, at Norton Utilities havde indbygget samme type Viewer til at se indholdet af de enkelte filer med, som er implementeret i Norton Commander.

Alt i alt lever Norton Utilities op til vore forventninger, og bliver straks en del af testholdets værktøjskasse.

Norton Utilities, Vers. 5.0

Maskine: IBM PC/XT/AT eller 100%.
Mulighed for at anvende mus.
Systemkrav: DOS 2.0 eller højere.
Brugerhukommelse: Min. 512Kb.
Eksternt lager: Diskettestation og fastdisk.
Kan anvendes på net.
Pris excl. moms: Kr. 1.850,- excl. moms.
Importør: Scandinavian Software ApS
31 31 07 00

Forklaring til testresultat:

Dårligt: Lever ikke op til minimumskrav.
Rimeligt: Opfylder almindelige minimumskrav.
Godt: Opfylder forventningerne.
Meget godt: Er bedre end forventet.
Excellent: Helt fantastisk, sætter nye normer.

Testresultat	Dårligt	Rimeligt	Godt	Meget godt	Excellent
Norton Utilities Vers. 5.0					
Fleksibilitet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dokumentation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Brugervenlighed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fejlhåndtering	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Programmet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

* Lidt om Software *

Fornylig besluttede jeg at investere i noget software fra SOFTWARE på Samsø, der har en rimeligere prispolitik end mange andre software-firmaer. Programmerne som jeg købte var WordPerfect version 5.1, SuperCalc 5, Procomm Plus samt PCTOOLS version 6, alle i US versioner.

Efter sigende skulle WordPerfect være fyldt med fejl, men indtil nu har jeg ikke fundet nogle mangler ved programmet. Tværtimod er jeg ovenud tilfreds og skal man købe et billigt og godt tekstbehandlingsprogram kan den amerikanske version anbefales. Den danske version er alt for dyr og man kan udmærket klare sig med den amerikanske version, da det meste sprogfæhængige kan rettes til. I skrivende stund er det vist kun ord-divisionen, der ikke er helt i orden efter de danske retskrivningsregler, men denne facilitet kan slås fra. Senere har jeg

konstateret, at man godt kan benytte de medfølgende US orddivisionsmoduler med rimeligt resultat. Dokumentationen er meget fin. Programmet kan iøvrigt nu benytte en mus.

SuperCalc 5 kunne ikke køre og meldte "Improper configuration".

Efter en del mas fandt jeg ud af, at den amerikanske version ikke kunne acceptere, at der i CONFIG.SYS stod 045 for landekode. Der skulle partout stå 001 for USA. Så jeg måtte igang med assembler programmering. På kort tid havde jeg fremstillet et program, der ændrede landekoden til 001 og et andet der ændrede det tilbage til 045.

Undervejs fandt jeg ud af, at man ikke kan bruge INT 20H til at terminere programmet med. Det færdige program kan konverteres til en .COM med EXE2BIN. Herunder er assembler programmet vist:

```
; program setcentry
gseg segment public
    assume cs:gseg,ss:gseg,ds:gseg
    org 100H

begin proc far

start:
    mov ah,38h          ; kald DOS funktion nr 38H
    mov al,255         ; Sæt landekoden til
    mov bx,1           ; 001 eller tilbage til 045
    mov dx,0ffffh      ; sæt landekode
    int 21h            ; kald DOS
    mov ax,4C00h        ; afslut program med exitkode 0
    int 21h            ; kald DOS

begin endp

gseg ends

end start
```

En batch fil blev fremstillet:

```
@echo off
setcentry
sc5 %1
resetcny
```

Temmelig meget dokumentation, som jeg ikke har haft tid til at kigge i endnu.

Programmet er langsommere end SC4 og fylder meget mere i hukommelsen. SC4

melder 374 K tilbage og SC5 kun 168 K. Grafikdelen synes dårligere !!
 Æ Ø og Å kan ikke fremstilles grafisk.
 Der er flere faciliteter end i SC4.

Programmet er egentlig alt for dyrt, men da jeg havde nogle programmer i SC4 format, var jeg nødt til at investere i SC5.

PCTOOLS version 6 virker tilsyneladende perfekt. Backup programmet er bedre end nogensinde. Fantastisk grafik.

John B. Jacobsen / Hans Orlriks Vej 8, 3. tv / 2450 Kbh. SV.
 Tlf. 31 22 75 73

PS. Det har vist sig at "nationalitets-problemet" dog også kan ordnes med en patch,

debug SC5.COM
 adresse 017A 01 (USA internat. tlf.nr. 01_{dec})
 - 2D (DK - - 45_{dec})

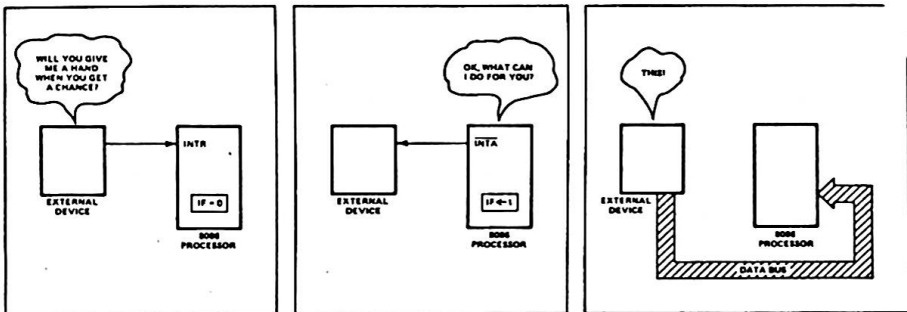
men det finder man først ud af - senere!

Dokumentationen har jeg ikke kigget i endnu, men umiddelbart ser den god ud.

Procomm Plus kan ikke justere menuernes farver. Virker ellers som den tidligere version.

Kommentarer til mine problemer modtages med tak.

Til sidst skal det nævnes, at firmaet indtil nu har været meget behjælpelig med at klare diverse små problemer - på udmærket vis.



Getting the processor's attention

Opkald til en OPS

Fra en trykknop-telefon kan man lægge en besked på en OPS, (Den Offentlige Personsogetjeneste), på følgende måde:
- der ringes op på et nummer - f.eks.

1234-5678, hvorefter en stemme siger "Personsogetjenesten",
og der høres en klartone.

Derefter taster man blot det nummer vedkommende skal ringe til og
- slutter af med et tryk på knappen, der er mærket med en firkant
- og lægger røret på.
Et øjeblik efter går beskeden ind på personsogeren,
og bæreren kan ringe op, så snart det er belejligt.

KONTOR & DATA: 3 - 10 oktober. (Bella Center)

DANITEK 90: Nordens største teknologimesse. (Bella Center)
23-26 oktober, daglig 9-17, torsd. dog 9-19. Entre 70 kr.

MOTOROLA / Danelec Electronics ApS / 31 69 05 11
har fremstillet 3 data disketter 5.25" med en komplet oversigt
over Motorola's diskrete halvleder-komponenter, endv. S-parametre
for hhv. RF komponenter og TMOS kredse (power MOSFET). Disketterne
er for IBM/kompatible PC'ere.

FILREST, programmet (MUG:nr.1:1990) til at ændre 'filrester' med
ved enkeltfiler, kan ved hjælp af følgende lille batch program
også rense alle filer på en diskette eller et directory. Vær
forsigtig, afprøv det først på f.eks. en diskette med materiale
som ikke er vigtigt. Programmet selv virker sikkert nok, men der
kunne jo være glemt eller overset noget!

FR2.BAT (FILREST.COM)

```
=====  
echo off  
if "%1" == "" goto stop  
if "%2" == "" goto stop  
for %a in (%1*.*) do filrest %a /V%2  
goto slut  
:stop  
echo Brugsvejledning : FR2 d:\path\ n  
:slut  
--- husk at n skal være et decimalt tal 0-255 ---
```

ADRESSER SOFTWARE & DISKETTER

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.

Volume fra bibliotek (5.25") incl. disk & forsendelse 20,- kr.

Bestyrelsen:

Formand:

Donald Axel
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42 30 69 13

Niels Veileborg
Finsensvej 11B
2000 Kbh. F.
31 87 80 85

Anders Otte
Grønnevej 261, 13
2830 Virum
42 85 16 45

Kasserer:

Lars Gråbæk
Esbern Snaresgade 6
1725 Kbh. V.
31 23 92 36

Poul Bigum
Ved Hegnet 1
2100 Kbh. Ø.

Viggo Jørgensen
Fensmarks Allé 6
3520 Farum

CP/M Bibliotek:

Frank Damgaard
Kastebjergvej 26A
2750 Ballerup
42 97 37 47
(man-tor 1730-1830)
Giro 1 92 80 66

PC-Bibliotek:

Peter Rasmussen
Strandengen 9
4000 Roskilde.
(skriftligt)
Giro 7 49 91 40

Bulletin Board:

Telf. 31 69 51 12
Åbent hele døgnet
300, 1200/75, 1200,
2400 bits/sec, 8 bit,
1 stop, ingen paritet

Disketteredaktør:

Redaktør: Viggo Jørgensen, FensmarksAlle 6, 3520 Farum, 42 95 32 01

