

CLEVELAND AREA TI-994/A USER GROUPS NEWSLETTER DECEMBER, 1991

OFFICERS	NORTHCOAST	TI-CHIPS	MEETING DATES
CO-PRESIDENT	BOB KAGY 1-255-2609	MATT ANDEL 676-9759	NORTHCOAST 1:30 P.M. TI-CHIPS 10 A.M.
CO-PRESIDENT		GLENN BERNASEK 238-6335	EUCLIDIAN ROOM N.ROYALTON LIBRARY
TREASURER	FRANK JENKINS 283-8526	LIN SHAW 235-3912	EUCLID SQUARE MALL STATE RD & RT 82
MEMBERSHIP	MARTIN SMOLEY 1-257-1661 6149 BRYSON MENTOR, OH 44060	JOHN PARKEN 331-2830 4172 W. 217TH ST. FAIRVIEW PARK, OH 44126	THIRD SATURDAY THIRD SATURDAY NOVEMBER 16, 1991 DECEMBER 21, 1991 JANUARY 21, 1992 FEBRUARY 15, 1992 MARCH 21, 1992 APRIL 18, 1992
SECRETARY	BERNIE ZUCKERMAN 381-4088	DENNIS LIKENS 842-9627	
LIBRARY(DISK)	MARTIN SMOLEY 1-257-1661	HARRY HOFFMAN 631-2354	
(TAPE & MODS)	FRANK JENKINS 283-8526	JOHN PARKEN 331-2830	
(HARD COPY)	DICK ALDEN 1-352-9172		

Most of the following report of the Chicago TI Faire came from the Mid South November Tidbits.

Among the new products was Barry Bonne's 'Sound F/X' (\$14.95 and distributed by Texaments) which allows the user to play true digital sound (recorded music, speech, etc...) through the TI or Geneve without the need of additional equipment. Sound F/X allows the playing of sound files from IBM (Sound Blaster VOC files and Macintosh or Amiga (SND files). The play time is limited for a standard TI, but an 80-column card or Supercart will increase the play time. Of course, a GENEVE will allow much longer files because of additional memory. In addition, there are several disks of sounds available.

Other new items from Texaments were 10 games, ported over from Tony Tuter, exclusively for use with the GENEVE, which include Space Champions, Cave Explorer, Train Twister, Time Guardian, Jungle Terror, Traffic Franzy, Islander & Car Race, Submarine Revenge and Sea Terror.

New from Bud Mills was TIM converter which takes an RGB analog signal and converts it to composite signal which allows the user of a previous monitor arrangement to use a composite monitor or TV with the TIM 80 column device. The accelerator was not available, but is still in the works.

Gary Bowser from OPA showed off his digital sound adaptor which connects to the parallel port and allows the user to play back 8-bit digital sounds allowing for a high sampling rate and better resolution than Sound F/X. This device is expected to be available by the end of the year.

Also new from Gary Bowser of OPA was POP-Cart, a device containing a set of user selected modules/programs, all in one cartridge. The user selects the cartridges and they are burned into one cartridge and accessed through a

menu. For a basic unit containing 256K, from 5 to 7 cartridges can be installed; however, units up to 2 megabytes are available. Cost of the basic unit is \$95 plus \$4.50 S&H. Also available from OPA is replacement GROMS 0 and 1 of the console allowing the cataloging and loading of most programs without the need of a cartridge.

Ken Gilliland displayed many new software products including Bridge of Disk of Dinosaurs, Fonts and Borders, and Disk of Horrors. (Note, our Ron Markus is now handling Ken's programs.)

Mark Van Copenolle of CADD Electronics displayed their Gramulator Kit which functions like the Gram Kracker. The basic kit costs \$55 or can be ordered assembled for additional costs. Among other products was RICHGKXB which is an enhancement to the original TI XB and requires the use of a GRAM device.

Bruce Harrison demonstrated two new games Scud Busters and Code Breakers. Furthermore another program called Smart Connect allows the transfer of files between a TI and IBM compatible by use of a connecting cable.

Mike and Chris Maksimik of Crystal Software displayed their MIDI interface and a collection of songs.

Beery Miller of 9640 News had a wide variety of products for the 9640, the most impressive of which was GENE, a software package where multiple WINDOWS are allowed and the ability to scroll around them is possible. Beery is also distributing Mike Dodd's programs which were previously sold by JP Software. They included PC Transfer, PC Transfer utilities, Identifile, and Hypercopy (for 9640 only). Note: Ron Markus also has these available locally.

As for attendance, the Mid South people stated that it was reported more attended this year than last.

TI-CHIPS (15 SEP 1990)

by Dennis Likens

The Oct meeting was called to order at 10am with 19 persons on hand to hear the reading and approval of last month's notes. A correction was entered, I keep spelling Glenn's name with only 1 n.

TREASURY: Lin advised we were close to the 1100.00 mark.

MEMBERSHIP: John reported we dropped down to 31 members. He also made the motion we send FOG INTERNATIONAL GROUP \$15 to continue our listing of the club. This was approved.

DISKS: Harry has reported he didn't get to do much on the library last month. But he will soon have it reconfigured. He will be adding some Jim Peterson PD disks to the library too.

DEMO: OSCAR PREDNETSHY was unable to demo his program on emulating HUNGARIAN keys (letters) but he replaced his presentation with a very well done video. Oscar developed a 'TL' file to produce characters that produce the Hungarian alphabet. His demo used our library disk 6T that had many programs that assisted in programming the Ti. One of these files dealt with the CHARA1 file. Oscar took this info and developed his own CHARA set so he could type out letters to his HUNGARIAN family overseas. This was a great demo.

XB: LES KEE demo'd an XB program that had 3 month's worth of input from Micropendium. This program called GRAPHIC COMPANION V1.5A by BARRY TRAYER was a limited xb graphics compiler to help beginners to learn assembly lg. The only limitation is it uses simple graphics statements with only numeric and strings as parameters.

MISC: It was noted that the club's 'Hardware Scouts' will be checking out the new Hard/Floppy controller at the Chicago fair for possible purchase to use in the club's system. This would allow the disk librarian to have ALL the club's software at each meeting rather than carry around a few hundred disks.

The raffle was won by Matt Andel. Matt got to choose between 10 library disks or 2 different SAMS programming books/cass. Matt chose the SAMS Graphics/sounds set.

NEXT MEETING WILL HAVE THE INSTALL XB INTO THE CONSOLE DEMO. So don't miss this event.

TI-CHIPS (16 NOV 1991)

by Dennis Likens

The November meeting got off the ground at 10:15 with Matt Andel calling the meeting to order. 20 people were at this month's meeting. Last month's minutes were read and the following changes apply. A thanks goes out to Oscar Prednetsky's wife for making the October meeting a very tastful one. While we were viewing Oscar's video on his English to Hungarian program, we were eating some OUTSTANDING HUNGARIAN GULYAS.

TREASURY: Lin Shaw advised we're at 1074.64 for this month's account total.

MEMBERSHIPS: John reported our membership is holding steady at the lower 30's. We did get a few people

contacting John about our club. John also received a check from our Treasury for 15.00 to pay for our continued listing in FOG.

DISK LIBRARY: Harry has 22 public domain disks from Jim Peterson of Tiger Club fame that will be added to our library by next month. These disks contain games, graphics and misc items from various authors. Harry also stressed his DISAPPOINTMENT that the new Hard-Floppy controller was not around to be seen. The maker of this item did not want to show up without a 'working board' but rumor has it these boards are out there and are in use? There was lots of software around this year which was to be demo'd at this meeting. Harry also reported he is working nights now so you can call him before 9pm to place your disk order.

DEMO'S: Matt demo'd SOUND F/X. A program by Barry Boone that will read digital sound data downloaded from other computers. This program uses the TI 99 sound chip to play back digital sound. Some of the data that was played back sounds just like the real thing. So break in speech, no 'machine' sounding voice but true digital sound. A person could ask if it's live or is it memorex? This program costs around 15.00 and comes with the program and 4 ds/dd disks.

DEMO'S: Harry demo'd TI CASINO by Gilliland. This game is not for the young ones unless they like Las Vegas. This loaded pack of games are casino type action with Drawpoker, Roulette, and 6 other games that use true casino rules. When you boot up, from the start, this game is well done, to be XB. Almost everything is by the joystick. The author paid close attention to detail, even down to the little pointing hand for a cursor. This program can be had from Asgard or our very own, Ron Markus of Ramcharged Computers.

PROJECT: Well, those of you who missed the meeting missed out on seeing XB being installed in the console. Glenn and John both were busy hacking around this project. Both procedures were video taped. After the tapes are viewed and ready for editing (both will be placed on one tape) They will be in the library for all to use/view in case you wish to undertake this task. This project takes about 2 hours. John put his XB on the mother board whereas Glenn attached his to the grow port. So you can choose which one is best for you. There was even some trouble shooting done with Glenn's procedure.

There was no drawing this month due to the time limitations. REMEMBER that the DECEMBER 21st meeting will be one of HOLIDAY AND CHEER. Please bring in a little bit of nibbles for the party. Hope to see you there.

NORTHCOAST NOTES

BY KEN GLADYSZEWSKI

Just prior to our last meeting, our remaining co-president, Bob Kaby, had unanticipated major surgery. We sincerely wish Bob a speedy recovery and look forward to seeing him again at our meetings. Some months ago when the subject of officers for next year came up, I decided

2.

it was time for me to take another turn, but this time with a co-president to help prevent early burnout. Walt Ryder has agreed to join me in leading our group through the coming year. Walt and I will fill in for Bob during his recovery.

During our last meeting we had an open discussion about our club and the need for a newsletter editor to replace Deanna, who has done a superb job for quite a few years. We may have lucked out in finding a replacement, but it will involve a shifting of jobs among members. Hopefully the details can be worked out. It is important that we all seriously think about how each of us can contribute to keep the club going, whether it be setting up chairs, giving a demonstration, or writing an article for the newsletter. Under the leadership of the new co-presidents, we hope to regain most of the club's vigor using our ideas and those expressed by the members during the discussion.

The meeting concluded with a demonstration of TI-Base by Marty Smoley which was well received as shown by the large amount of questions that followed. This program is one of the most powerful programs I have seen for our Computer -- the TI community is fortunate to have such software available at a small fraction of the cost of similar software for larger machines.

Walt Ryder will conduct the next meeting and will demonstrate a program he wrote that adds to TI-Base's power by being able to transfer data from TI-Base to Multiplan using EXTENDED BASIC. It should be very interesting.

(A quick addition to Ken's notes. Ken was the NC president when I first joined the club in about 1984. He worked at it so hard, he did burn himself out and make it look like it was such a hard job no one else could handle it. It is good to have Ken back. He has lots of ideas. He is always working on a hardware project and is no slouch at programming either. Walt Ryder is one of our quieter members, but also probably the most knowledgeable in the club on assembly programming. These two should make a great combo for us next year!

Also, I have been given a TI console by a gentleman who had no use for it and did not want to throw it away. Since there really isn't any charitable place we could find to give it to, I have suggested we raffle it off. Since our club's treasury is in good shape and this is the Christmas season, perhaps we could give the proceeds to a local charity (the Salvation Army might be nice if they still have a kettle in the shopping center). So come next month and take a chance on a nice backup console and help the needy!)

PREVIEW OF COMPUTER DEMONSTRATION 12/21/91

By Walt Ryder - Northcoast 99ers

Subject of demonstration : Transfer of data from TI Base to Multiplan using Extended Basic.

Transferring data from TI Base to Multiplan is a four step process.

1. First you must copy and change the TI Base data to a format that Extended Basic can read.

2. Second, you must use an Extended basic program to format the data into a Symbolic Link File(SYLK).

3. Third, you must convert the Extended Basic SYLK file to a format the Multiplan program can import.

4. Finally, you use Multiplan to import the SYLK file.

Copying and Changing the TI Base data for Extended Basic was done using an assembly language program.

A listing of the Extended Basic program which formats the SYLK file is attached. This program produces a file which meets the requirements detailed in the Multiplan manual appendix 4.

Futhermore, a second assembly language program prepares the Extended Basic SYLK file for import into Multiplan.

The two assembly language programs are linked to the Extended Basic program.

Questions about the process or the Extended Basic program can be answer by Walter Ryder (216-921-8223)

Note, I use this program to display monthly budget CATEGORY totals from data created as a check register using TI Base.

```
100 REM TB_MP_2
110 REM SUMMARY OF BUDGET      TOTAL BY CATAGORY
120 CALL CLEAR
125 TRACE
130 PRINT "CREATING DISPLAY FILE"
135 UNTRACE
140 CALL INIT
150 CALL LOAD("DSK1.TB_MP_2A")
160 CALL LINK("PGM")
175 PRINT
176 PRINT
177 TRACE
180 PRINT "CREATING MP SLK FILE"
185 UNTRACE
190 DIM F(64,12),B$(64)
200 OPEN #1:"DSK1.TEMP1",FIXED,INPUT
210 OPEN #2:"DSK1.TEMP2",OUTPUT,DISPLAY ,FIXED 128
220 CRLF$=CHR$(13)&CHR$(10)
230 ID$="ID;PMP"&CRLF$&"B"&CRLF$
240 Q$=ID$
250 CATAGORY_POS=39
260 CATAGORY_LEN=2
270 CL=CATAGORY_LEN
280 CP=CATAGORY_POS
290 MONTH_POS=6
300 MONTH_LEN=2
310 ML=MONTH_LEN
320 MP=MONTH_POS
330 AMOUNT_POS=29
340 AMOUNT_LEN=9
350 AL=AMOUNT_LEN
360 AP=AMOUNT_POS
370 IF EOF(1)THEN 500
380 LINPUT #1:A$
390 C$=SEG$(A$,CP,CL)
```

```

400 D$=SEG$(A$,AP,AL)
410 C=VAL(SEG$(A$,MP,ML))
420 FOR A=B TO 1 STEP -1
430 IF B$(A)=C$ THEN 480
440 NEXT A
450 B=B+1
460 B$(B)=C$
470 A=B
480 F(A,C)=F(A,C)+VAL(D$)
490 GOTO 370
500 FOR A=1 TO B
510 Q$=Q$&'C';X*ASTR$(A+1)&';Y*ASTR$(A+1)&';K*CHR$(34)&B$(A)&CHR
$(34)&CRLF$
520 GOSUB 700
530 NEXT A
540 FOR D=1 TO 12
550 Q$=Q$&'C';X*ASTR$(D+1)&';Y*ASTR$(D+1)&';K*ASTR$(D)&CRLF$
560 GOSUB 700
570 NEXT D
580 FOR A=1 TO B
590 FOR D=1 TO 12
600 Q$=Q$&'C';X*ASTR$(A+1)&';Y*ASTR$(D+1)&';K*ASTR$(F(A,D))
&CRLF$
610 GOSUB 700
620 NEXT D
630 NEXT A
640 Q$=Q$&'E'&CRLF$
650 GOSUB 700
660 PRINT #2:Q$
670 CLOSE #1
680 CLOSE #2
682 PRINT
684 PRINT
690 GOTO 760
700 IF LEN(Q$)<129 THEN 740
710 NP$=SEG$(Q$,1,128)
720 Q$=SEG$(Q$,129,LEN(Q$)-129+1)
730 PRINT #2:NP$

```

```

740 RETURN
750 STOP
760 TRACE
770 PRINT "CREATING INTERNAL FILE"
775 UNTRACE
780 CALL INIT
790 CALL LOAD("DSK1.TB_MP_28")
800 CALL LINK("PGM2")
810 END

```

LETTER TO THE EDITOR

We received the following letter from Robert L. Criswell, 62 Townsend Drive, Florham Park, NJ 07932. Since most of our people have Horizon Ram disks and have little experience with the Myarc Ram disk, we are printing this in hope that someone out there will be able to help Bob with his problem.

The program DISKREVIEW within FUNNELWEB V.4.31 indicates that it is possible to partition the Myarc RAM-disk, RD, then make it EMulate Disk 'n', all while in the FUNNELWEB mode.

After the RAM-disk has been PARTed using BASIC, the EMDK command works by placing the arrow in the proper position and pressing <ENTER>.

The PARTing command does not work in a similar manner. If the RAM-disk has been PARTed, selecting the PART command brings up the error message "Warning !! RD initialized PART(400,80). Really SURE??". Pressing <ENTER> again does nothing, not even removing the warning signal from the screen. If the RAM-disk has not been PARTed, the message "Part (400,80) Really sure" appears, but again does nothing. The two sectors from file DS that contain the error messages and the commands are printed below.

```

Sector > 00BB
Byte 0  2  4  6  8  A  C  E  0  2  4  6  8  A  C  E  0  2  4  6  8  A  C  E  0  2  4  6  8  A  C  E
0 01FF D701 D042 0A41 09C1 D061 A13D F06B 01FF D701 10EA 9202 1A0C D0B2 110A D06B .. .. .B .A .. .a . = .k .. .. .. .X ..
2 01FF F0B1 D702 D0BB D041 1301 F0B1 D702 10DC D720 D3C9 D0BB 10FA 0380 D05B 09C1 .. .. .. .A .. .. .. .X ..
4 DE61 A13D D05B 0A41 09C1 DE61 A13D 9818 D3C7 1A04 D618 1102 0588 045B DE20 D3C9 .a . = .X .A .. .a . = .. .. .. .[ . ..
6 045B 02E0 83E0 06A0 0020 02E0 D674 02CF 03B0 8F07 909F BC1F 929F 8A0A 9C9F 860D .[ .. .. .. .t .. .. .. .9 ..
8 929F 0209 D7C2 1008 0209 D7BE 1005 0209 D7BA 1002 0209 D7B6 0208 8400 D639 1000 .. .. .. .. .9 ..
A D639 1000 D639 C1A0 A056 0606 15FE D619 045B 1252 4420 6E6F 7420 696E 6974 6961 .9 .. .9 .. .V .. .. .. .[ .R D no t in it ia
C 6C69 7A65 64FF A185 0C43 414C 4C20 454D 4448 2835 290A 5741 524E 494E 4720 2121 li ze d. .. .C AL L EM DK ( S ). WA RN IN G !!
E 0E52 4420 696F 6974 6961 6C69 7A65 6400 1150 4152 542B 3430 302C 3830 2920 2020 .R D in it ia li ze d. .P AR T( 40 0, 80 )

Sector > 00BC
Byte 0  2  4  6  8  A  C  E  0  2  4  6  8  A  C  E  0  2  4  6  8  A  C  E  0  2  4  6  8  A  C  E
0 2020 FF00 A1E7 0445 4D44 4B87 C801 35B6 0450 4152 5487 C803 3430 30B3 C802 3830 .. .. .E MD K. .. S. .P AR T. .. 40 0. .. 80
2 8600 0000 0000 0000 AA00 0B43 414C 4C20 444E 2E6F 2E6E 0120 0B3C 6F6C 643E 2C3C .. .. .. .. .C AL L DN .o .n . .< ol d> ,<
4 6E65 773E 000B 2020 4341 4C4C 2041 4F2E 7801 200B 413C 4F20 6F72 2046 3E2E 7800 ne w> .. . CA LL A D. x. . A< D or F> . x.
6 0244 4E2E 312E 3102 414F 2E31 0B51 5545 5354 2052 4401 200B 4041 4041 4F4E .D N. 1. 1. AD .1 .R UE ST R D. . CA LL A ON
8 0120 0A41 4F4E 206F 7220 414F 4600 0341 4F4E 06A0 D46E DBB0 0239 0201 DBD2 0206 . .A ON o r AD F. .A ON .. .n .. .9 ..
A 0001 020B DBD5 1013 06A0 D46E DBB9 028B 0201 DBAB 020B DBAD 100B 06A0 D46E DB6E .. .. .. .. .n .. .. .. .. .n .n
C 028B 020B DBA8 0201 DBA4 0206 0003 C806 D91E 0420 D3A6 D96E 0290 0003 0209 0290 .. .. .. .. .n .. .. .. ..
E 06A0 B0C4 04C4 0200 07C0 C800 B356 C800 832C 0202 0018 0420 D39A DB20 DB76 DBA9 .. .. .. .. .V .. .. .. .. .V ..

```

WEEK_HOURS

by WESLEY R. RICHARDSON, NOV 1991
NORTHCOAST 99ER'S, CLEVELAND, OH

The program WEEK_HOURS is an Extended BASIC program which is a mini data base for keeping track of the time that stores open and close. Information for up to 45 stores and for seven days of week can be entered. Data can be printed, saved on disk and recalled. Data can also be looked at, added, modified, deleted, and changed in order. Initial times can be set as defaults for new data additions.

The program was written for two reasons, first, because I always am making trips on Saturday or Sunday evening to the stores, and never can remember their hours of operation, and second, as a demonstration of the use of a three dimensional array in Extended BASIC. The data is stored in DV80 format so you can also change it using TI-Writer. To be honest, TI-Writer can produce the same output faster, but I still enjoyed writing WEEK_HOURS.

```
100 REM WEEK_HOURS
110 REM WESLEY R. RICHARDSON, NOV 1991
120 REM TI-99/4A EXTENDED BASIC
130 REM NORTHCOAST 99ER'S, CLEVELAND,
    OH
140 REM VARIABLES A,AZ$,B5$,B8$,B12$,B
    17$,C$,D$(7),DA$,DD$,DN$,DS$,F$,F1
    $,H$(46,7,1),I,J,K,M,N,P$,S,S$,T$,
    T1$,V,W$,W1$,WR$
150 DIM D$(7),H$(46,7,1)
160 GOTO 190 :: CALL CLEAR :: CALL ERR
    :: CALL KEY :: CALL SCREEN
170 A,AZ$,B5$,B8$,B12$,B17$,C$,DA$,DD$
    ,DN$,DS$,F$,F1$,I,J,K,M,N,P$,S,S$,
    T$,T1$,V,W$,W1$,WR$
180 !@P-
190 M=45 :: P$="PIO" :: S$="Y" :: W$="
    WEEK_HOURS" :: W1$="WEEK_" :: WR$="
    "by WESLEY R. RICHARDSON"
200 GOSUB 2190 :: DISPLAY AT(8,1):"TOD
    AY'S DATE?" :: ACCEPT AT(10,1)SIZE
    (18):DA$
210 K=LEN(DA$):: DA$=DA$RPT$(" ",18-K
    )
220 FOR I=1 TO 7 :: READ D$(I):: NEXT
    I
230 DISPLAY AT(12,1):"HELP INFO (Y/N)?
    Y" :: GOSUB 2210
240 B5$=RPT$(" ",5):: B8$=RPT$(" ",8):
    : B12$=RPT$(" ",12):: B17$=RPT$(" "
```

```
    ",17)
250 IF K<>78 THEN GOSUB 1930
260 DN$="N" :: DS$="Y" :: F1$="FILENAM
    E " :: T1$="TELEPHONE #"
270 DD$="1" :: F$="DATA1"
280 H$(0,0,0)="INITIAL-TIME" :: H$(0,0
    ,1)="216- -" :: H$(0,1,0)="11:00
    AM" :: H$(0,1,1)=" 6:00PM"
290 FOR I=2 TO 7 :: H$(0,I,0)=" 9:00AM
    " :: H$(0,I,1)=" 9:00PM" :: NEXT I
    :: H$(0,7,1)=" 6:00PM"
300 FOR K=0 TO 1 :: FOR I=0 TO 7 :: H$
    (1,I,K)=H$(0,I,K):: NEXT I :: NEXT
    K :: H$(1,0,0)="FIRST ENTRY" :: N
    =1
310 REM MAIN MENU
320 ON ERROR 2260 :: GOSUB 2190
330 DISPLAY AT(5,3):"C = CATALOG WEEK_
    ? FILES" :: DISPLAY AT(6,3):"D = D
    ELETE LINE"
340 DISPLAY AT(7,3):"E = ERASE ALL DAT
    A" :: DISPLAY AT(8,3):"H = HELP IN
    FO"
350 DISPLAY AT(9,3):"I = INITIAL TIMES
    " :: DISPLAY AT(11,3):"L = LOOK AT
    DATA"
360 DISPLAY AT(12,3):"M = MODIFY DATA"
    :: DISPLAY AT(13,3):"N = NEW DATA
    ADD"
370 DISPLAY AT(14,3):"O = ORDER CHANGE
    " :: DISPLAY AT(16,3):"P = PRINT D
    ATA"
380 DISPLAY AT(17,3):"Q = QUIT" :: DIS
    PLAY AT(18,3):"R = RECALL FROM DIS
    K"
390 DISPLAY AT(19,3):"S = SAVE TO DISK
    " :: DISPLAY AT(23,8):"YOUR CHOICE
    ?" :: GOSUB 2210
400 IF K=67 THEN 950 :: !CATALOG WEEK_
    ? FILES
410 IF K=68 THEN 1580 :: !DELETE LINE
420 IF K=69 THEN 1060 :: !ERASE ALL DA
    TA
430 IF K=72 THEN GOSUB 1930 :: GOTO 31
    0 :: !HELP INFO
440 IF K=73 THEN 1730 :: !INITIAL TIME
    S
450 IF K=76 THEN 1790 :: !LOOK AT DATA
460 IF K=77 THEN 680 :: !MODIFY DATA
470 IF K=78 THEN 540 :: !NEW DATA
480 IF K=79 THEN 770 :: !ORDER CHANGE
490 IF K=80 THEN 1130 :: !PRINT DATA
500 IF K=81 THEN 1850 :: !QUIT
510 IF K=82 THEN 1280 :: !RECALL DATA
520 IF K=83 THEN 1470 :: !SAVE DATA
530 GOTO 390
```

...WEEK_HOURS

```

540 REM NEW DATA ADD
550 V=0
560 GOSUB 2190 :: IF N<M THEN 600
570 C$="NEW DATA ADD" :: DISPLAY AT(5,
1):C$
580 DISPLAY AT(7,1):"DATABASE FULL "&S
TR$(N)&" (MAX="&STR$(M)&")"
590 DISPLAY AT(9,1):"USE DELETE, MODIF
Y OR ERASE" :: GOSUB 2200 :: GOTO
310
600 GOSUB 2190 :: C$="NEW AFTER #?" ::
DN$="N"
610 GOSUB 1990 :: ! RETURNS SELECTION=
S
620 IF S=99 THEN 310 ELSE S=S+1
630 N=N+1 :: IF S=N THEN 660
640 FOR I=N TO S+1 STEP -1 :: FOR J=0
TO 7 :: FOR K=0 TO 1 :: H$(I,J,K)=
H$(I-1,J,K)
650 DISPLAY AT(23,21):I :: NEXT K :: N
EXT J :: NEXT I
660 FOR J=0 TO 7 :: FOR K=0 TO 1 :: H$
(S,J,K)=H$(0,J,K):: NEXT K :: NEXT
J
670 DN$="Y" :: C$="NEW DATA ADD" :: GO
TO 730
680 REM MODIFY DATA
690 V=0
700 GOSUB 2190 :: C$="MODIFY DATA"
710 GOSUB 1990 :: ! RETURNS SELECTION=
S
720 IF S=99 THEN 310
730 GOSUB 2130 :: ACCEPT AT(4,17)SIZE(
-12):H$(S,0,0):: ACCEPT AT(6,17)SI
ZE(-12):H$(S,0,1)
740 FOR I=1 TO 7 :: ACCEPT AT(7+2*I,9)
SIZE(-7):H$(S,I,0)
750 ACCEPT AT(7+2*I,17)SIZE(-7):H$(S,I
,1):: NEXT I
760 DS$="N" :: IF DN$<>"Y" THEN 700 EL
SE IF N=M THEN 310 ELSE 560
770 REM ORDER CHANGE
780 V=0
790 GOSUB 2190 :: C$="ORDER CHANGE"
800 GOSUB 1990 :: ! RETURNS SELECTION=
S
810 IF S=99 THEN 310
820 T$=STR$(S)! T$=DATA FROM
830 GOSUB 2190 :: A=VAL(T$):: GOSUB 22
40 :: C$="PUT "&AZ$&H$(VAL(T$),0,0
)&" AFTER #?" :: S$="N"
840 GOSUB 1990 :: ! RETURNS SELECTION=
S =PUT DATA AFTER
850 S$="Y" :: IF (S=VAL(T$))+{(S=VAL(T$
)-1)THEN 830
860 IF S=99 THEN 310 ELSE S=S+1 :: DS$
="N"
870 FOR J=0 TO 7 :: FOR K=0 TO 1 :: H$
(M+1,J,K)=H$(VAL(T$),J,K):: NEXT K
:: NEXT J
880 IF S<VAL(T$)THEN 920
890 FOR I=VAL(T$)TO S-2 :: FOR J=0 TO
7 :: FOR K=0 TO 1 :: H$(I,J,K)=H$(
I+1,J,K)
900 DISPLAY AT(23,21):I :: NEXT K :: N
EXT J :: NEXT I
910 FOR J=0 TO 7 :: FOR K=0 TO 1 :: H$
(S-1,J,K)=H$(M+1,J,K):: NEXT K ::
NEXT J :: GOTO 790
920 FOR I=VAL(T$)TO S+1 STEP -1 :: FOR
J=0 TO 7 :: FOR K=0 TO 1 :: H$(I,
J,K)=H$(I-1,J,K)
930 DISPLAY AT(23,21):I :: NEXT K :: N
EXT J :: NEXT I
940 FOR J=0 TO 7 :: FOR K=0 TO 1 :: H$
(S,J,K)=H$(M+1,J,K):: NEXT K :: NE
XT J :: GOTO 790
950 REM CATALOG WEEK ? FILES
960 GOSUB 2190 :: DISPLAY AT(10,1):"CA
TALOG WEEK ? FILES"
970 DISPLAY AT(12,1):"DISK NUMBER ?" :
: DISPLAY AT(14,1):"DSK"&DS$ :: DI
SPLAY AT(16,1):"DSKX TO EXIT"
980 ACCEPT AT(14,4)SIZE(-1):T$ :: IF T
$="X" THEN 310
990 DS$=T$ :: OPEN #1:"DSK"&T$&".",INP
UT ,RELATIVE,INTERNAL
1000 DISPLAY AT(22,1):"CATALOG DISK "&T
$&" "&W1$&"? FILES"
1010 INPUT #1:T$,J,K,S :: PRINT "DISK:
"&T$&" FREE ";S:""
1020 FOR I=1 TO 127 :: INPUT #1:T$,J,K,
S :: IF LEN(T$)=0 THEN 1050
1030 IF SEG$(T$,1,5)=W1$ THEN PRINT T$
1040 NEXT I
1050 CLOSE #1 :: PRINT ""::" :: GOSUB 2
200 :: GOTO 310
1060 REM ERASE ALL DATA
1070 GOSUB 2190 :: GOSUB 1900
1080 DISPLAY AT(14,2):"ERASE ALL DATA (
Y/N)? N" :: ACCEPT AT(14,24)SIZE(-
1):T$
1090 IF (T$="Y")+{(T$="y")THEN 1100 ELSE
310
1100 DISPLAY AT(14,2):"ERASING ALL DATA
NOW"
1110 FOR I=N TO 1 STEP -1 :: DISPLAY AT
(16,12):I
1120 FOR J=0 TO 7 :: FOR K=0 TO 1 :: H$
(I,J,K)=" " :: NEXT K :: NEXT J ::
NEXT I :: GOTO 260
1130 REM PRINT DATA

```


...WEEK_HOURS

```

1730 REM INITIAL TIMES
1740 GOSUB 2190 :: C$="INITIAL TIME"
1750 S=0 :: GOSUB 2130 :: ACCEPT AT(4,1
      7)SIZE(-12):H$(S,0,0):: ACCEPT AT(
      6,17)SIZE(-12):H$(S,0,1)
1760 FOR I=1 TO 7 :: ACCEPT AT(7+2*I,9)
      SIZE(-7):H$(S,I,0)
1770 ACCEPT AT(7+2*I,17)SIZE(-7):H$(S,I
      ,1):: NEXT I
1780 DS$="N" :: GOTO 310
1790 REM LOOK AT DATA
1800 V=0
1810 GOSUB 2190 :: C$="LOOK AT DATA"
1820 GOSUB 1990 :: ! RETURNS SELECTION=
      S
1830 IF S=99 THEN 310
1840 GOSUB 2130 :: GOSUB 2200 :: GOTO 1
      810
1850 REM QUIT
1860 GOSUB 2190 :: GOSUB 1900
1870 DISPLAY AT(14,9):"EXIT (Y/N)?" ::
      GOSUB 2210
1880 IF K<>89 THEN 310
1890 CALL CLEAR :: DISPLAY AT(12,11):"G
      OODBYE" :: STOP
1900 IF DS$="Y" THEN 1920
1910 DISPLAY AT(10,6):"WARNING! YOU HAV
      E" :: DISPLAY AT(12,3):"NOT SAVED
      YOUR CHANGES"
1920 RETURN
1930 REM HELP INFO
1940 A=16 :: V=0 :: RESTORE 2310
1950 GOSUB 2190 :: C$="HELP INFO" :: DI
      SPLAY AT(5,1):C$
1960 FOR I=1 TO 12 :: IF (I+V)>A THEN 1
      970 ELSE READ T$ :: DISPLAY AT(6+I
      ,1):T$ :: NEXT I
1970 GOSUB 2200 :: V=V+12 :: IF V<A THE
      N 1950
1980 RETURN :: REM RETURN REQUIRED HERE
1990 REM SELECTION SCREEN
2000 DISPLAY AT(5,1):C$ :: IF S$="N" TH
      EN 2020
2010 DISPLAY AT(5,15):"N= "&STR$(N)&" (
      MAX="&STR$(M)&)"
2020 FOR I=1+V TO MIN(7+V,N)
2030 A=I :: GOSUB 2240
2040 DISPLAY AT(5+2*(I-V),6):AZ$&H$(I,0
      ,0):: NEXT I
2050 FOR I=N+1 TO 7+V :: DISPLAY AT(5+2
      *(I-V),6):"" :: NEXT I
2060 DISPLAY AT(21,2):"00=PRIOR 89=NE
      XT SCREEN"
2070 DISPLAY AT(23,2):"99 TO EXIT" :: D
      ISPLAY AT(23,13):"CHOICE? 99"
2080 ACCEPT AT(23,21)SIZE(-2)VALIDATE(D
      IGIT):K :: IF K=99 THEN S=99 :: RE
      TURN
2090 IF K=89 THEN V=V+7 :: V=MIN(V,7*IN
      T((N-1)/7)):: GOTO 2020
2100 IF K=0 THEN V=V-7 :: V=MAX(V,0)::
      GOTO 2020
2110 IF (K>0)*(K<(N+1))THEN S=K ELSE 20
      70
2120 V=7*INT((K-1)/7):: RETURN
2130 REM HOURS SCREEN
2140 GOSUB 2190 :: DISPLAY AT(4,1):C$ :
      : DISPLAY AT(6,5):T1$ :: A=S :: GO
      SUB 2240
2150 DISPLAY AT(4,14):AZ$&H$(S,0,0):: D
      ISPLAY AT(6,17):H$(S,0,1):: DISPLA
      Y AT(8,11):"OPEN CLOSE"
2160 FOR I=1 TO 7 :: DISPLAY AT(7+2*I,5
      ):D$(I):: DISPLAY AT(7+2*I,9):H$(S
      ,I,0)
2170 DISPLAY AT(7+2*I,17):H$(S,I,1):: N
      EXT I :: RETURN
2180 REM SUBROUTINES
2190 CALL CLEAR :: DISPLAY AT(1,10):W$
      :: DISPLAY AT(2,3):WR$ :: RETURN
2200 DISPLAY AT(23,8):"PRESS ANY KEY"
2210 CALL KEY(0,K,S):: IF S=0 THEN 2210
2220 IF K>90 THEN K=K-32
2230 RETURN
2240 AZ$=STR$(A)&" " :: IF LEN(AZ$)=3 T
      HEN RETURN
2250 AZ$="0"&AZ$ :: RETURN
2260 REM ERROR
2270 CALL ERR(I,J,K,S):: T$="ERROR "&ST
      R$(I)&","&STR$(J)&","&STR$(K)&","&
      STR$(S)
2280 GOSUB 2190 :: CALL SCREEN(10):: DI
      SPLAY AT(8,2):T$ :: GOSUB 2200 ::
      CALL SCREEN(8):: RETURN 310
2290 !@P+
2300 DATA SUN,MON,TUE,WED,THU,FRI,SAT
2310 DATA "THIS PROGRAM IS A MINI DATA"
      ,"BASE FOR KEEPING TRACK OF","THE
      TIME THAT STORES OPEN"
2320 DATA "AND CLOSE.",",",",",",",",",",
      "DATA CAN BE
      PRINTED, SAVED",",",",",",",",",",
      "ON DISK AND RECAL
      LED. DATA",",",",",",",",",",
      "CAN BE LOOKED AT, ADD
      ED"
2330 DATA "MODIFIED, DELETED, AND",",",",
      "CHA
      NGED IN ORDER. INITIAL",",",",",",
      "TIMES CAN
      BE SET AS DEFAULTS"
2340 DATA "FOR NEW DATA ADDITIONS.",",",
      "THE DV80 FILE WEEK_DOCS HAS",",",",
      "FUR
      THER DETAILS ABOUT THIS",",",",",
      "PROGRAM."
      "
2350 END

```

8

		SUN	MON	TUE	WED	THU	FRI	SAT
01	:AAA SOUTHGAT:	CLOSED	CLOSED	8:30AM	8:30AM	8:30AM	8:30AM	9:30AM
	:216-663-7232:	CLOSED	CLOSED	6:00PM	6:00PM	6:00PM	6:00PM	4:00PM
02	:APPLES BAINB:	8:00AM	7:00AM	7:00AM	7:00AM	7:00AM	7:00AM	7:00AM
	:216-543-7650:	8:00PM	10:00PM	10:00PM	10:00PM	10:00PM	10:00PM	10:00PM
03	:BERNIE'S SOL:	9:00AM	9:00AM	9:00AM	9:00AM	9:00AM	9:00AM	9:00AM
	:216-248-8404:	6:00PM	9:00PM	9:00PM	9:00PM	9:00PM	9:00PM	9:00PM
04	:BEST RANDALL:	12:00AM	10:00AM	10:00AM	10:00AM	10:00AM	10:00AM	10:00AM
	:216-663-1900:	6:00PM	9:00PM	9:00PM	9:00PM	9:00PM	9:00PM	9:00PM
05	:BIG 4 BAINBR:	10:00AM	8:00AM	8:00AM	8:00AM	8:00AM	8:00AM	8:00AM
	:216-543-6900:	4:45PM	7:45PM	7:45PM	7:45PM	7:45PM	7:45PM	5:45PM
06	:CHILDREN PAL:	10:00AM	9:00AM	9:00AM	9:00AM	9:00AM	9:00AM	9:00AM
	:216-663-8145:	8:00PM	10:00PM	10:00PM	10:00PM	10:00PM	10:00PM	10:00PM
07	:DAIRY MART :	8:00AM	6:30AM	6:30AM	6:30AM	6:30AM	6:30AM	7:00AM
	:216-543-4744:	12:00PM	12:00PM	12:00PM	12:00PM	12:00PM	12:00PM	12:00PM
08	:DIY RANDALL :	9:00AM	7:30AM	7:30AM	7:30AM	7:30AM	7:30AM	7:30AM
	:216-587-3222:	6:00PM	9:30PM	9:30PM	9:30PM	9:30PM	9:30PM	9:30PM
09	:DUNHAMS SOUT:	12:00AM	10:00AM	10:00AM	10:00AM	10:00AM	10:00AM	10:00AM
	:216-581-3700:	5:00PM	9:00PM	9:00PM	9:00PM	9:00PM	9:00PM	9:00PM
10	:FRETTER RAND:	12:00AM	10:00AM	10:00AM	10:00AM	10:00AM	10:00AM	10:00AM
	:216-475-1300:	6:00PM	9:00PM	9:00PM	9:00PM	9:00PM	9:00PM	9:00PM
11	:HEINENS BAIN:	10:00AM	9:00AM	9:00AM	9:00AM	9:00AM	8:00AM	8:00AM
	:216-543-5165:	5:00PM	8:00PM	8:00PM	8:00PM	9:00PM	9:00PM	6:00PM
12	:K-MART BAINB:	11:00AM	9:30AM	9:30AM	9:30AM	9:30AM	9:30AM	9:30AM
	:216-543-1833:	6:00PM	9:00PM	9:00PM	9:00PM	9:00PM	9:00PM	9:00PM
13	:KOENIG'S SOL:	12:00AM	10:00AM	10:00AM	10:00AM	10:00AM	10:00AM	10:00AM
	:216-349-2622:	5:00PM	9:00PM	9:00PM	9:00PM	9:00PM	9:00PM	9:00PM
14	:KRESSES TANG:	10:00AM	9:00AM	9:00AM	9:00AM	9:00AM	8:00AM	8:00AM
	:216-543-5144:	5:00PM	8:00PM	8:00PM	8:00PM	9:00PM	9:00PM	6:00PM
15	:LIBRARY BAIN:	1:00PM	9:00AM	9:00AM	9:00AM	9:00AM	9:00AM	9:00AM
	:216-543-5611:	5:00PM	9:00PM	9:00PM	9:00PM	9:00PM	5:00PM	5:00PM
16	:LITTLE CAESA:	11:00AM	11:00AM	11:00AM	11:00AM	11:00AM	11:00AM	11:00AM
	:216-349-4434:	12:00PM	12:00PM	12:00PM	12:00PM	12:00PM	1:00AM	1:00AM
17	:MEDIC BAINBR:	9:00AM	9:00AM	9:00AM	9:00AM	9:00AM	9:00AM	9:00AM
	:216-543-9895:	5:00PM	9:00PM	9:00PM	9:00PM	9:00PM	9:00PM	9:00PM
18	:MICRO CENTER:	12:00AM	10:00AM	10:00AM	10:00AM	10:00AM	10:00AM	10:00AM
	:216-449-7000:	5:00PM	9:00PM	9:00PM	9:00PM	9:00PM	9:00PM	6:00PM
19	:NAPA BAINBRI:	10:00AM	8:00AM	8:00AM	8:00AM	8:00AM	8:00AM	8:00AM
	:216-543-8124:	2:00PM	6:30PM	6:30PM	6:30PM	6:30PM	6:30PM	5:00PM
20	:PAT CATAN'S :	12:00AM	9:30AM	9:30AM	9:30AM	9:30AM	9:30AM	9:00AM
	:216-248-8852:	5:00PM	8:30PM	8:30PM	8:30PM	8:30PM	8:30PM	6:00PM
21	:POST OFF SOL:	CLOSED	8:30AM	8:30AM	8:30AM	8:30AM	8:30AM	9:00AM
	:216-498-1339:	CLOSED	5:00PM	5:00PM	5:00PM	5:00PM	5:00PM	2:00PM
22	:REVCO BAINBR:	10:00AM	9:00AM	9:00AM	9:00AM	9:00AM	9:00AM	9:00AM
	:216-543-7475:	6:00PM	9:00PM	9:00PM	9:00PM	9:00PM	9:00PM	9:00PM
23	:SEARS RANDAL:	11:00AM	9:30AM	9:30AM	9:30AM	9:30AM	9:30AM	9:30AM
	:216-663-7200:	6:00PM	9:00PM	9:00PM	9:00PM	9:00PM	9:00PM	9:00PM
24	:SHELL BAINBR:	24HOURS	24HOURS	24HOURS	24HOURS	24HOURS	24HOURS	24HOURS
	:216-543-1819:	24HOURS	24HOURS	24HOURS	24HOURS	24HOURS	24HOURS	24HOURS
25	:SOLOON HARDWA:	CLOSED	9:00AM	9:00AM	9:00AM	9:00AM	9:00AM	9:00AM
	:216-248-4195:	CLOSED	6:00PM	6:00PM	6:00PM	6:00PM	6:00PM	6:00PM
26	:STAR FLICKS :	10:00AM	10:00AM	10:00AM	10:00AM	10:00AM	10:00AM	10:00AM
	:216-543-7255:	10:00PM	10:00PM	10:00PM	10:00PM	10:00PM	11:00PM	11:00PM
27	:TOYS R US :	11:00AM	9:30AM	9:30AM	9:30AM	9:30AM	9:30AM	9:30AM
	:216-581-8697:	6:00PM	9:30PM	9:30PM	9:30PM	9:30PM	9:30PM	9:30PM

More Reasons to use FREENET
Deanna Sheridan - Northcoast 99ers - Cleveland, Ohio

Almost daily I am learning about FREENET features I did not know existed and which should entice you to get your membership number and use this fascinating asset we have here in Cleveland

Through the TELEPORT you can communicate with people around the world at no cost to you! This includes COMPUERVE and FIDO. Other systems I am just learning about are INTERNET and USENET that are loosely-held groups of similar interests. I don't have room this month to go into a lot detail, but will do some indepth explanations in a future article.

TO SEND E-MAIL FROM THE FREE-NET TO COMPUERVE:

Let's say you wanted to send an e-mail message from the Cleveland Free-Net to CompuServe User: 72135,1536

1. Select "Send Mail" from the Post Office menu.
2. When the Free-Net gives you the "To:" prompt, type: 72135.1536@compuserve.com

PLEASE NOTE: IN THE COMPUERVE ADDRESS A PERIOD IS SUBSTITUTED FOR THE NORMAL COMMA BETWEEN THE FIRST AND SECOND PARTS OF THE COMPUERVE ADDRESS.

Thus, it is 72135(PERIOD)1536@compuserve.com

CLEVELAND AREA 99/4A USERS GROUPS
C/O DEANNA SHERIDAN
20311 LAKE ROAD
ROCKY RIVER, OH 44116

CHECK YOUR EXPIRATION DATE.
THIS MAY BE YOUR LAST ISSUE!

FIRST CLASS

FIRST CLASS

3. Compose your Free-Net e-mail message as usual.
4. Send as usual.

Your message should arrive anywhere from within a half hour, to several hours, depending in the Internet load.

TO SEND E-MAIL FROM COMPUERVE TO THE FREE-NET:

Let's say a CompuServe user wanted to send e-mail to Cleveland Free-Net user: aa001 It would work like this:

1. Compose the CompuServe e-mail message as usual.
2. When the system gives you the "Send To (Name or User ID):" prompt, type:

>INTERNET: aa001@cleveland.freenet.edu

PLEASE NOTE: BE SURE TO PREFACE THE FREENET ADDRESS WITH ">INTERNET: " OR THE COMPUERVE E-MAIL SYSTEM WON'T KNOW WHAT TO DO.

3. Send as usual.

That's all there is to it!

Next month I will try to explain more about INTERNET and USENET and how to send mail

I also discovered that you can send XMODEM files over the FREENET. If you are already on FREENET, simply type go XFER and you will be at the file transfer menu. For the rest of you, wait till next time!



FIRST CLASS