CLEVELAND AREA 99/4 USER GROUPS NEWSLETTER

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GROUPS' NEWSLETTER ED. - MARK WOODWARD ((561-2967)
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Executive Notes — Solon

Our topic for last month was on the subject of modems. Bill Shannon gave the group an overview on starting out with COMPU-SERVE. A lively discussion followed as several members shared their experiences in using COMPU-SERVE and the SOURCE information networks. Don Schmidt, of COMPRO SYSTEMS, followed up with explanations of the hardware and software considerations of computer tele-communications, and explained what is currently available.

Jon Lucas showed us some of the FREE public domain programs he has obtained in the last month. There is some great stuff out there for very little investment and just waiting to be found. If interested, Jon can provide a list of what is available and how to obtain it.

The topic for June will cover printers, with several members displaying and explaining what they own. On tap for July's meeting will be speech synthesis which should prove to be fun and interesting.

As I mentioned to those present at the May meeting (and I'd like to repeat it here) thanks to Bill Shannon and Mark Woodward for compiling, organizing, and making intelligible the results of the Users Survey. A lot of time and effort went into this project, and it is greatly appreciated!!

As the days get longer and the evenings shorter, it seems harder and harder to find the time to sit and peck away at the keyboard. What was once, several months ago, a few hours each evening...pulling out hair...and gnashing teeth, has been reduced to a few hours per week. I hope my electric bill reflects a sizeable decrease.

See you in June - Steve Weinkamer, President

Solon Group Meeting, June 8th, at:

Solon Public Library, Inwood Drive, Solon, Ohio
Education Session - 10:30 AM ++ General Meeting - 11:30 AM

Some Editorial Comments—

Several months ago we happily reported that two public broadcasting stations (WCLV & WEAO-Akron) were running some excellent computer oriented programs. Unhappily, WCLV appears to have dropped their effort entirely, and WEAO has scheduled theirs at the ungodly hour of 8:00 AM on Saturday. Why not phone them and bellyache a bit?

On Saturday, May 11th, Kyle Eugene Jenkins joined the Frank and Mary Lou Jenkins family at 11:52 PM. Now that's a pretty good excuse for not attending our May meeting! Congratulations Mary Lou and Frank.

As promised last month, I'm including several interesting items and/or programs that I hope will be of general interest. They were gleaned from Newsletters we receive from other Users Groups many of whom publish very erudite publications; and from magazines such as MICROpendium, and monthly letters from Jim Peterson of Tigercub. In most cases, I have not personally tried them, and can only assume they'll run as indicated.

Wouldn't it be nice if we were able to print some programs from our own members? Please send some along. Preferably, they should not be greater than two 8 1/2" x 11" sheets in length, and ready for photocopying. (I'm not the world's greatest typist). Send them to my home address: 17100 Van Aken Blvd., Apt.#511, Shaker Heights, Ohio – 44120. Frank Jenkins and I are currently considering changing our P.O. Box from Solon to Shaker to make it a little less difficult to pick up our mail. More on that later.

Many thanks to our other Editors for sending in their copy early!!
Mark Woodward

TI-Chips Executive Notes

We had a very interesting meeting in May and are very pleased with the great attendance. Don Nitschke gave a super presentation on the TI Word Processor; Steve Latza gave another of his Forth lessons; and Rich Polivka showed us how to "Call Sound".

We had a drawing for two door prizes which were the programs Beginners Basic Tutor and Oldies but Goodies.

Those members interested in attending the Computer Show in Chicago (June 2nd thru the 5th) should contact Judy Thalner of Edu-Comp for tickets.

This is a reminder for those needing to renew membership...if dues are not paid, the Newsletter will be discontinued. For those interested, but unable to attend meetings, the Newsletter can be ordered separately.

We hope everyone has a safe and happy summer. Remember our meetings will continue throughout the summer. Our August 17th meeting will be our Second Annual Family Club Picnic. The reason we're mentioning it so early is so that you can mark your calendars. We hope to have a big turnout for this fun event. If anyone has suggestions about location or anything else about the picnic, call Bernard Gallagher – (351-1265).

At next month's meeting Rich Polivka is going to give a presentation on "Changing a program that is Joystick controlled...to Keyboard control". Steve Latza will continue with another program on Forth. Rich is looking for people who can help out by giving a presentation or with ideas for future programs they would like to see.

Our next meeting will be June 15th, at the North Royalton Public Library at 10 AM. Bring friends who own TI computers along with you. See you then.

Jan Fedor, Secretary

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If anyone has information about the Load-Interrupt Switch mentioned in the Enthusiast 99 magazine,, call Les Kee at (238-6938).

CHANGES!

Our last meeting was poorly attended.
We only had about eight members show
up including the club officers...so,
it is not worth out time to go to the
fire station and set up the computer
and equipment if we can't conduct a
proper meeting. Our next meeting
will be at RAM Enterprises on June 13
at 7:30 P.M. At this meeting Multi
Plan will be covered. Bring disks,
as we will have some programs to pass
out.

NEWSLETTER

Our Newsletter Editor has drifted off
without a word of goodby. We thank
him for his work to date and wish him
well where ever he may be. I'll be
handling the Newsletter, so send my
any information you might have. Send
to Chuck Mareno, 42920 Haven Drive,
Elyria, OH 44035 / 1-216-324-4388

NEW GRAPHICS PROGRAM NOW AVAILABLE

An excellent program now available
comes from "GRAPHX" P.O. Box C-568
Clarence St., Sidney N.S.W. 2000
Austrailia.

It is available in single orders for
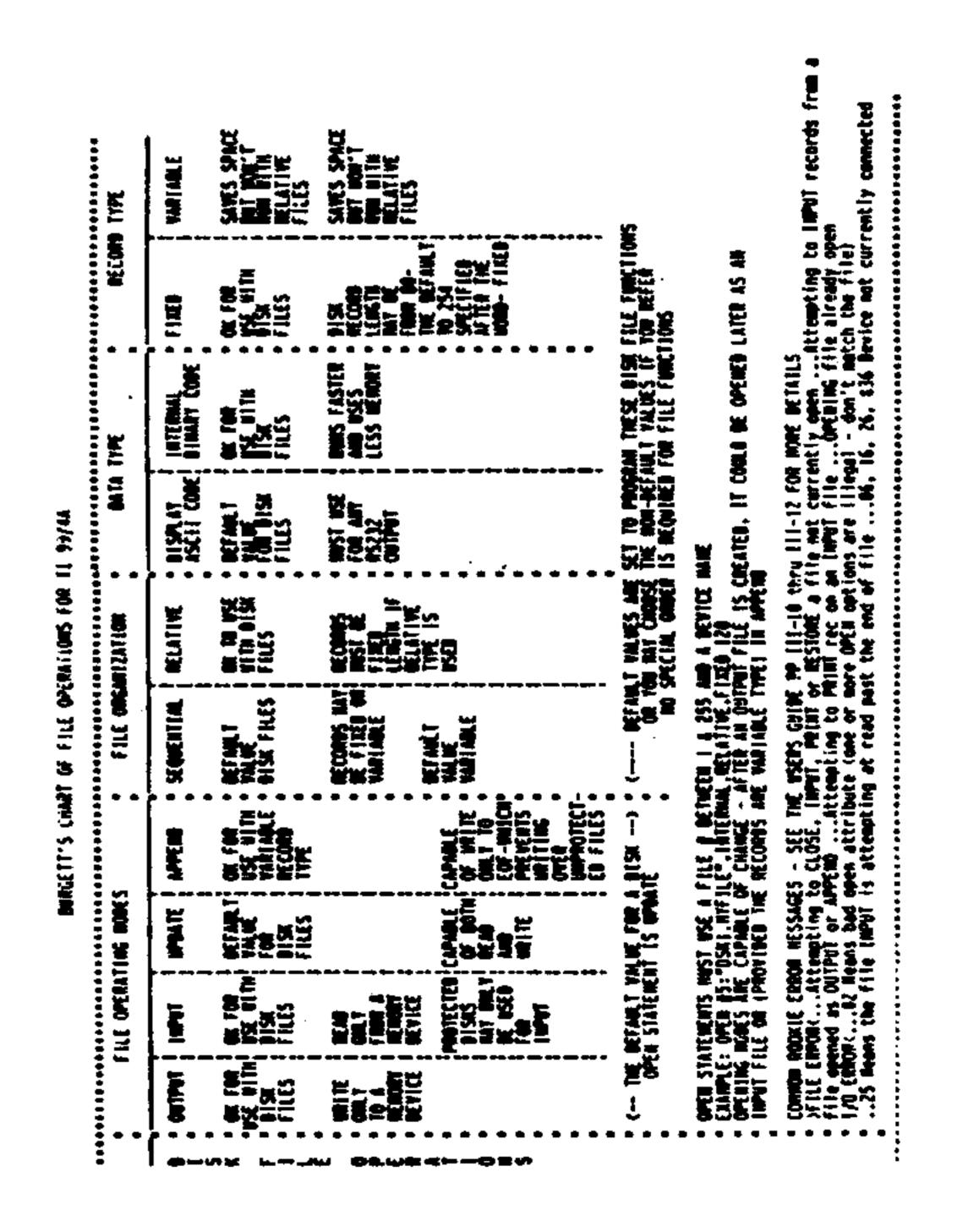$50.00. Versions are mini-memory,
E/A, XB.

Graphx requires the TI99/4A at least
(1) disk drive, 32K expansion and a
joystick. If you wish to print you
will also require the RS 232 card and
an Epsom MX-80 compatible printer. You
will also need one of the following
modules M/M, E/A, or XB. There is a
separate version for each of the
modules, all have identical functions,
however, there are minor differences in
loading speeds and clipboard size. In
order of preference they are:

. M/M 6K clipboard 63 sec load time
2. E/A 4K clipboard 65 sec load time
3. X/B 4K clipboard 251 sec load time

NEW GRAPHIX PROGRAM ... CONTINUED

Built in Graphyx are four types of screen
dumps, two sizes and two densities.

One very powerful feature is the "Clipboard"
with it you may create and save sets of
objects such as special alphabets or symbols
so they are available for use whenever
required. The clipboard will even let you
move images from one screen to another or
try a little computer amination. Each copy
of Graphx comes complete with ready to use
clipboards featuring a range of special
alphabets and examples of animation.

BURGETT'S CHART OF FILE OPERATIONS FOR TI 99/4A

SUPER DEBUGGER FIX

The following article is reprinted from the November issue of Micropendium:

By TOM KNIGHT

When TI finally released Super Bugger it had a "bug" in that it is supposed to be able to disassemble or dump memory to a disk and will not properly do this. (In my opinion, this was a TI-induced bug.)

I have been working on this problem and have found a solution that, so far, seems to work fine.

With no other program in memory, "S-Bug" loads from A000 to B96A and I will be referencing memory with this assumption.

Memory Location	Contains	Change to
A15A	3F20	101F
B2DE	7F00	0FFF
B2F2	3F09	1009
B32A	7F20	101F
B342	7F05	1005
B356	7F00	0FFF
B366	3F09	1009
B37A	7F00	0FFF
B382	3F09	1009

These locations are all references to either the PAB or the data buffer which is used by the DSRLNK which, by the way, is included in Super Bugger as are the other utilities used by the program. It is completely stand-alone. All of the utilities are very similar to the ones that come with the Editor/Assembler cartridge.

There are three ways to make these changes:

1. Each time you load the program you can make the changes while the program is running.

2. The regular version (uncompressed) can be changed using the "Editor" or with TI-Writer. Be sure that on each line that you change that you also change the "checksum" flag to an 8 (it is normally a 7).

3. To change the compressed version you need Disk Fixer or something similar. You actually change the disk information. If you are familiar with the use of Disk Fixer you should have no problem, otherwise it could get very hairy.

THE CHART OF FILE OPERATIONS FOR THE TI/9940
A PRODUCT OF BURGETT SOFTWARE COMPANY
Designed and edited by W. Burgett · 6625 Roxbury Dr., Sarasota FL 33581 · Phone 813-924-1006

	FILE OPERATING MODES				FILE ORGANIZATION		DATA TYPE		RECORD TYPE	
	OUTPUT	INPUT	UPDATE	APPEND	SEQUENTIAL	RELATIVE	DISPLAY ASCII CODE	INTERNAL BINARY CODE	FIXED	VARIABLE
C A S S E T T E	OK FOR USE WITH CS1 & CS2	OK FOR USE WITH CS1 BUT NOT CS2	CAN NOT USE W/CS1 OR CS2	CAN NOT USE W/CS1 OR CS2	DEFAULT VALUE CS1 & CS2	CAN NOT USE W/CS1 OR CS2	DEFAULT VALUE FOR CS1 & CS2	OK FOR USE W/CS1 OR CS2	DEFAULT VALUE FOR CS1 & CS2	CAN NOT USE W/CS1 OR CS2
F I L E	WRITE ONLY TO A MEMORY DEVICE	READ ONLY FROM A MEMORY DEVICE			THE NUMBER OF RECORDS MAY BE SPECIFIED WITH A NUMERAL FOLLOWING THE WORD- SEQUENTIAL		MUST USE FOR ANY RS232 OUTPUT	RUNS FASTER AND USES LESS MEMORY	CASSETTE RECORD LENGTH MAY BE FROM 64-128 CHARACTERS SPECIFIED AFTER THE WORD- FIXED	
O P E R A T I O N S	THERE ARE NO DEFAULT VALUES FOR CASSETTE FILE OPEN STATEMENTS - YOU MUST USE THE DEVICE NAME, EITHER CS1 OR CS2 AND A FILE NUMBER BETWEEN 1 & 255 EXAMPLE: OPEN #1:"CS1", INPUT, FIXED 128 OR: OPEN #5:"CS2", OUTPUT, FIXED 128				(----- WITH CASSETTE FILE YOUR ONLY REAL CHOICE IS BETWEEN -----) DISPLAY AND INTERNAL TYPE					

Free Programs: by Ed York *(CIN-DAY 99 USER GROUP)*

The programs listed on the next page comes to us from two seperate sources. The programs are entitled "SPEAK-N-PROOF PART ONE", "SPEAK-N-PROOF PART TWO" and "TRANSLATOR". Since nobody, and I do mean nobody, types perfectly, a "talking proofreader" is the next best thing when you cannot find a willing friend to read back to you what you've typed. Whether you are writing a document on a word processor such as TI-WRITER, or typing in a BASIC or EXTENDED BASIC program, mistakes are virtually inevitable. It is so easy to omit a key word or transpose a number. It can be quite difficult to detect typing errors in a BASIC or EXTENDED BASIC program especially when there are a long series of numbers or symbols. It is quite nice to have the Speech Synthesizer read back to you what you have typed, while you visually check this against the original document or program listing. Since your eyes will be focusing on one listing rather than two, you are less likely to lose your place as you check your typing. The purpose of SPEAK-N-PROOF PART ONE is to reformat your text file or program listing so that it can be used by SPEAK-N-PROOF PART TWO. You will be asked if your text file or program listing contains both upper and lower case letters. A text file would most likely contain both upper and lower case letters, whereas a program listing would most likely contain all upper case letters. The purpose of SPEAK-N-PROOF PART TWO is to read back to you, via the Speech Synthesizer, the text file or program listing that has been processed by SPEAK-N-PROOF PART ONE. You will also be asked if your text file or program listing conatins both upper and lower case letters. You should logically answer this question the same as you did in SPEAK-N-PROOF PART ONE. You will also be asked if you wish for the Speech Synthesizer to pause after each line. Since each line of either the text file or the program listing is displayed on the screen, you may elect to have the Speech Synthesizer pause while you inspect each line. The purpose of TRANSLATOR is to translate a BASIC OR EXTENDED BASIC program listing, that has not been processed with SPEAK-N-PROOF PART ONE, into a MERGE format which can then be called by EXTENDED BASIC only! Any files saved with either the TI-WRITER or EDITOR/ASSEMBLER Command Modules are saved in a DISPLAY/VARIABLE 80 format. However, in order to save a program listing in either BASIC or EXTENDED BASIC, you simply enter your program into memory and type in the following: LIST "DSK1.FILENAME". Note: DO NOT TYPE IN THE ENDING PERIOD! This will save your program listing in a DISPLAY/VARIABLE 80 format which can be read by both SPEAK-N-PROOF PART ONE and TRANSLATOR. Now you can write either BASIC or EXTENDED BASIC programs using either the TI-WRITER or the EDITOR/ASSEMBLER Command Modules and have the TRANSLATOR program translate your program into a MERGE format. Note: After a program has been processed by TRANSLATOR, you will find that TRANSLATOR places an EXTENDED BASIC REM ("!") in front of each line. The advantages gained by either reading or writing your programs with the TI-WRITER or the EDITOR/ASSEMBLER Command Modules are many. You have the full use of the editing capabilities that are available with either TI-WRITER or EDITOR/ASSEMBLER. SPEAK-N-PROOF PART ONE and TWO were written by Roy T. Tamashiro and was published in the St. Louis 99'ers users group newsletter. TRANSLATOR was program idea by John Hamilton (of the Central Iowa 99/4A Users Group), modified by Frederick Hawkins (of the Lehigh 99'er Computer Group) and second modification by Ed York (of the Cin-Day User Group). Note: The first modification appeared in the Lehigh 99'er Computer User Group newsletter.

We are indebted to the Decatur (Illinois) 99er Users Group for this reprint (Programs next page)

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We are indebted to the LEHIGH 99'ER COMPUTER GROUP (Allentown, Penna. - my old hometown) for the following "why didn't I think of this" program. It was authored by their Robert Menger. Unfortunately it was printed on Goldenrod stock, which does not reproduce readily, so I've retyped it. - Mark

that reminds me —

What would you think of a program that you never RUN; a program made up of nothing but REM statements?

Useless, right?

Wrong!! I find it to be one of my most-used programs. I call it "Reminder Calendar".

BASIC programs are ENTERed as a line number and a statement or statements. No matter what order the line is ENTERed, BASIC always sorts them into line number order.

Suppose I wanted to remember the following information:

    Wife's birthday is August 15
    Anniversary is November 3
    Doctor's appointment on February 18 at 11 AM
    Dinner at Smyths on March 22 at 7:00 PM: bring booze

I would enter these items in the following way:

815 REM wife's birthday
1103 REM anniversary
(NOTE! The day is ALWAYS TWO DIGITS!)
218 REM 11:00 AM doctor appt.
322 REM 7:00 PM dinner @Smitty's; bring Ripple

In order to see the entire calendar, type LIST and the calendar will scroll up in date order. If you wish to see reminders for February, type LIST 201-228 (200-300 is OK, too). If you only want to see the next appointment, then type LIST (today's date) and the next appointment will appear. For example, typing LIST 225 might produce:

322 REM 7:00 PM dinner @Smitty's; bring Ripple

Obviously, I've got nearly a month to get the bottle.

In order to ENTER more than one item for a single date, bring the date up with EDIT, then either insert the new information anywhere after the REM or add it to the end of the line. The limit is 255 characters per date (line number), so abbbreviate whenever possible. Be sure to insert a marker (colon, slash, etc) to separate the items.

You may point to the lines out of range of the days of the month. No month has 40 days, so 340 should be acceptable. LISTing 300-400 for the month of March would then show those items that spilled into the extension.

There you have it...a useful program you'll NEVER RUN!!

```
100 REM SPEAK-N-PROOF
110 REM
120 REM PART ONE
130 REM
140 REM WRITTEN BY:
150 REM
160 REM ROY T. TAMASHIRO
170 REM
180 DISPLAY AT(4,6)ERASE ALL
   :"* SPEAK-N-PROOF *" :: DISP
   LAY AT(6,10):"PART  ONE" ::
   DISPLAY AT(12,1):"ENTER THE
   FILE NAME BELOW:" :"DSK1."
190 ACCEPT AT(14,6)SIZE(10):
   A$ :: B$="DSK1."&A$ :: DISPL
   AY AT(16,1):"DOES THE TEXT F
   ILE CONTAIN":"BOTH UPPER A
   ND LOWER CASE"
200 DISPLAY AT(20,1):"LETTER
   S? Y" :: ACCEPT AT(20,10)SIZ
   E(-1)VALIDATE("YN"):C$ :: DI
   SPLAY AT(10,4)ERASE ALL:"I A
   M REFORMATTING THE"
210 DISPLAY AT(12,4):"FILE,
   SO PLEASE WAIT." :: OPEN #1:
   B$,INPUT ,VARIABLE 80 :: OPE
   N #2:"DSK1.PROOF-FILE",OUTPU
   T,INTERNAL,VARIABLE 90
220 IF C$="Y" THEN OPEN #3:"
   DSK1.UPPER",OUTPUT,INTERNAL,
   VARIABLE 90
230 LINPUT #1:B$ :: IF C$="N
   " THEN 260
240 E$="" :: FOR A=1 TO LEN(
   B$):: F$=SEG$(B$,A,1):: IF (
   ASC(F$)>96)AND(ASC(F$)<123)T
   HEN F$=CHR$(ASC(F$)-32)
250 E$=E$&F$ :: NEXT A :: PR
   INT #3:E$
260 PRINT #2:B$ :: IF EOF(1)
   =0 THEN 230
270 CLOSE #1 :: CLOSE #2 ::
   IF C$="Y" THEN CLOSE #3
280 DISPLAY AT(10,6)ERASE AL
   L:"THE FILE HAS NOW":"
   BEEN REFORMATTED."
```

```
100 REM SPEAK-N-PROOF
110 REM
120 REM PART TWO
130 REM
140 REM WRITTEN BY:
150 REM
160 REM ROY T. TAMASHIRO
170 REM
180 CALL CLEAR
190 PRINT TAB(6);"* SPEAK-N-
   PROOF *": :
200 PRINT TAB(10);"PART  TWO
   ": : : :
210 PRINT "DOES THE TEXT FIL
   E CONTAIN": :
220 PRINT "BOTH UPPER AND LO
   WER CASE": :
230 PRINT "LETTERS?": : : :
   : : :
240 CALL KEY(0,A,B)
250 IF (A<>89)+(A<>78)=-2 TH
   EN 240
260 PRINT "SHALL I PAUSE A M
   OMENT AFTER": :"EACH LINE? Y
   "
270 CALL KEY(3,C,D)
280 IF (C<>89)+(C<>78)=-2 TH
   EN 270
290 CALL CLEAR
300 IF A=78 THEN 320
310 OPEN #3:"DSK1.UPPER",INP
   UT ,INTERNAL,VARIABLE 90
320 OPEN #1:"DSK1.PROOF-FILE
   ",INPUT ,INTERNAL,VARIABLE 9
   0
330 OPEN #2:"SPEECH",OUTPUT
340 INPUT #1:A$
350 PRINT A$
360 IF A=78 THEN 380
370 INPUT #3:A$
380 PRINT #2:A$
390 IF C=78 THEN 440
400 PRINT :" PRESS ANY KEY T
   O CONTINUE."
410 CALL KEY(0,D,E)
420 IF E=0 THEN 410
430 CALL HCHAR(23,1,32,32)
440 IF EOF(1)=0 THEN 340
450 CLOSE #1
460 CLOSE #2
470 IF A=78 THEN 490
480 CLOSE #3
490 END
```

```
100 ! TRANSLATOR
110 !
120 ! PROGRAM IDEA BY:
130 !
140 ! JOHN HAMILTON OF THE
150 !
160 ! CENTRAL IOWA 99/4A
170 !
180 ! USERS GROUP
190 !
200 ! PROGRAM MODIFIED BY:
210 !
220 ! FREDERICK HAWKINS
230 !
240 ! OF THE LEHIGH 99'ER
250 !
260 ! COMPUTER GROUP
270 !
280 ! PROGRAM MODIFIED BY:
290 !
300 ! ED YORK OF THE
310 !
320 ! CIN-DAY USER GROUP
330 !
340 DISPLAY AT(6,10)ERASE AL
   L:"TRANSLATOR" :: DISPLAY AT
   (10,1):"ENTER FILE TO BE CON
   VERTED:": :"DSK1." :: ACCEPT
   AT(12,6)SIZE(10):A$
350 DISPLAY AT(14,1):"ENTER
   FILE TO BE MERGED:": :"DSK1.
   " :: ACCEPT AT(16,6)SIZE(10)
   :B$ :: OPEN #1:"DSK1."&A$ ::
   OPEN #2:"DSK1."&B$,VARIABLE
   163
360 LINPUT #1:C$ :: A=POS(C$
   ," ",1):: ON ERROR 400 :: B=
   VAL(SEG$(C$,1,A))
370 ON ERROR 390 :: C=INT(B/
   256):: A$=CHR$(B-C*256)
380 PRINT #2:CHR$(C);A$;CHR$
   (131);SEG$(C$,A+1,80);CHR$(0
   ):: GOTO 360
390 PRINT #2:CHR$(255);CHR$(
   255):: CLOSE #2 :: DISPLAY A
   T(22,6):"PROCESS COMPLETED!"
   :: END
400 ON ERROR 390 :: RETURN 3
   60
```

At our last meeting a majority of those present indicated that they would prefer to have the library catalog on hardcopy and would be willing to pay the $3.00 printing cost. We are proceeding with this and copies should be available next meeting--along with copies on disk.

Maria Stavanja has agreed to re-assume the duties of Treasurer--thanks, Maria! She and I will be working together to determine our unencumbered balance so that we might buy some items for the club--any suggestions? An inexpensive (perhaps used or donated) lightweight 19" color TV immediately comes to mind. Another is purchase of software for the library. Maybe even a TIBBS bulletin board.

This brings up another subject. As reported last meeting we were still having bulletin board problems. We have since discovered that we have expansion system hardware problems. These must be solved to run any bulletin board-- any volunteers? If not, Elmo Iacobucci and I will continue, but it will take a while.

At our next meeting 1:30 Saturday, June 15th, we hope to have more information about: console memory expansion, real time clock card, screen dump pushbutton and how to add a LED (your choice of color) to the new console power supplies which are cooler running for use in the older black and silver consoles. We will have: the finished working super cartridge expander, hints on using the Personal Record Keeping module (PRK), and a demonstration of Graphics Grabber.

Speaking of demonstrations, we need volunteers to demonstrate software with which they are familiar like Music Maker, etc., also, the new programs that we buy for the raffle. Here is a great opportunity to try some software ($20 maximum) of your own choosing for FREE and to help out our group. Contact John Murcer (845-8817) for details.

Lastly, with summer vacations fast approaching I encourage everyone to seek out and attend other TI user group meetings in other cities and states--many of our ideas are a result of such visits or from new members (past members of other groups).

Ken Gladyszewski, President
Northcoast 99ers

ED.NOTE:-I suggested to Mr. Matters "that in today's market his prices were a bit high" and he asked me to include the phrase "Prices are Negotiable"

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SOLON, OHIO 44139

!! TIME DATED MATERIAL !!