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OUR NEXT MEETING will be on Thursday

AUGUST 23, 1984 at 7:00 pm

PLACE: CAPITAL DISTRICT PSYCHIATRIC CENTER  
New Scotland Ave. Next to Albany Medical Center

THE SEPTEMBER MEETING will be on Thursday

September 20, 1984 at 7:00 pm

PLACE: CAPITAL DISTRICT PSYCHIATRIC CENTER  
New Scotland Ave. Next to Albany Medical Center

ALBANY TEXAS INSTRUMENTS BULLETIN BOARD SERVICE (TIBBS) (518) 765-4993

UPBTATE 99/4A UBERG GROUP  
P.O. BOX 13522  
ALBANY, N.Y. 12212



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Edmonton Users Group  
P.O. Box 11983  
Edmonton, Alberta T5J 3L1

H I N T S   F R O M   H E N R Y

Item 1:

If you are using your TI and the TERMINAL EMULATOR II (TE-II) to download programs from a TI bulletin board or other sources, there was a program on the Albany TIBBS that will read a BASIC (or XB) program saved as a DISPLAY VARIABLE 80 disk file by the TE-II and save it as a merged, runnable file.

```

100 REM     D O W N L O A D E R
110 REM DOWNLOADS A D/V 80 TEXT FILE TO MAKE A MERGED,
120 REM RUNNABLE BASIC PROGRAM FILE
130 REM FROM: CHRIS JERNIGAN (JAN 1984)
140 REM MODIFIED: MIKE HENRY (JULY 1984)
150 CALL CLEAR
160 INPUT "SAVED DV80 FILE NAME?         ":F$
170 INPUT "MERGED FILE NAME?            ":M$
180 OPEN #1:F$,INPUT,DISPLAY
190 OPEN #2:M$,OUTPUT,DISPLAY,VARIABLE 163,SEQUENTIAL
200 IF EOF(1)() THEN 350
210 LINPUT #1:A$
220 IF LEN(A$)=0 THEN 240
230 IF ASC(SEG$(A$,LEN(A$),1))=13 THEN A$=SEG$(A$,1,LEN(A$)-1)
240 B=POS(A$," ",1)-1
250 IF B(1) THEN A$=SEG$(A$,2,LEN(A$)-1):: GOTO 260
260 C=INT(VAL(SEG$(A$,1,B))/256)
270 D=VAL(SEG$(A$,1,B))-(C*256)
280 A$=CHR$(C)&CHR$(D)&SEG$(A$,B+1,LEN(A$)-B)&CHR$(0)
290 PRINT #2:A$
300 GOTO 240
310 PRINT #2:CHR$(255)&CHR$(255)
320 CLOSE #1 :: CLOSE #2 :: STOP

```

The program had two problems. Some programs available on TIBBS have carriage returns at the ends of some of the lines and the program would not handle those. I have modified the program (see line 230) to handle those cases. Secondly, the lines of the program file will look like:

```

100 CALL CLEAR
100 CALL CLEAR

```

and will show an extra space between the line number and the statement. I have not fixed that problem yet. You must step through the file in edit mode or NUM mode and get rid of that extra space before the program will run (CAUTION: do not resequence the program before you edit out those spaces). You can use this to download TI BASIC or XB programs, but the DOWNLOADER program must be run in XB because of line 210 and because the file is saved as a MERGED file. With this you can download programs without having to type them in by hand from the listing.

Item 2:

(From Doug German of the Central Iowa 99/4A Users' Group via Jim Peterson's Tigercub Software Newsletter.) To let the user select his own joystick for a one player BASIC game, put the following lines up front in your program:

```

100 PRINT "PRESS FIRE BUTTON TO CONTINUE"
110 CALL KEY(1,K1,S)
120 CALL KEY(2,K2,S)
130 IF K1+K2()=17 THEN 110
140 JS=INT((K1/18+K2/9+1)

```

Then when you program use CALL JOYST(JS,K,S). The program will respond to whichever of the two joysticks was used when the fire button was pressed.

M i k e   H e n r y

TYPE THIS IN

Just for fun type in the following program, save and run it. If you have disk save the program under the name "LOAD".

```

100 CALL INIT :: CALL LOAD(-31806,16)!
DELETE THIS LINE IF YOU DO NOT HAVE MEMORY EXPANTION
110 ON BREAK NEXT :: ON WARNING NEXT :: ON ERROR 120 :: GOTO 150
120 RETURN NEXT
130 !PROGRAM WRITTEN BY JON DAGGETT 4/83
140 ! P.O. BOX 13522 ALBANY, NY 12212
150 CALL CLEAR
160 A*=""
170 PRINT "* READY *"
180 PRINT A*
190 CALL HCHAR(24,2,62)
200 ACCEPT AT(24,1)SIZE(80):A*
210 IF A*="CALL CLEAR" THEN CALL CLEAR :: GOTO 190
220 IF A*="NEW" THEN 150
230 IF A*="NUM" THEN CALL NUM(A*): GOTO 180
240 IF A*="RUN" THEN PRINT A* :: A*="NO, I REFUSE!" :: GOTO 180
250 IF BEG*(A*,1,3)="WHY" THEN PRINT A* :: A*="BECAUSE I DON'T LIKE YOU..." ::
  GOTO 180
260 IF BEG*(A*,1,5)="PRINT" THEN PRINT A* :: A*=BEG*(A*,8,LEN(A*)-8): GOTO 180
270 IF BEG*(A*,1,3)="BYE" THEN PRINT A* :: A*="I'M NOT GOING ANYWHERE." ::
  GOTO 180
280 IF BEG*(A*,1,4)="LIST" THEN PRINT A* :: A*="LIST IT YOURSELF!" :: GOTO 180
290 IF BEG*(A*,1,8)="CALL SAY" THEN CALL SAY("#THAT IS INCORRECT#"): GOTO 180
300 IF BEG*(A*,1,4)="CALL" THEN PRINT A* ::
  A*="HERE ""&BEG*(A*,6,LEN(A*)-5)&CHR*(34)": GOTO 180
310 IF A*="RANDOMIZE" THEN PRINT A* :: A*="BORRY, I DON'T GAMBLE!" :: GOTO 180
320 IF BEG*(A*,1,4)="SAVE" THEN PRINT A* :: A*="I'M ALREADY SAVED!" :: GOTO 180
330 IF BEG*(A*,1,3)="OLD" THEN PRINT A* :: A*="B.C. OR A.D.?" :: GOTO 180
340 IF BEG*(A*,1,5)="BREAK" THEN PRINT A* :: A*="I'M NOT FEELING DESTRUCTIVE."
  :: GOTO 180
350 IF BEG*(A*,1,6)="DELETE" THEN PRINT A* ::
  A*="YOU DID MEAN YOUR PROGRAM DIDN'T YOU???" :: GOTO 180
360 IF BEG*(A*,1,5)="TRACE" THEN PRINT A* :: A*="WHY DON'T YOU DO IT FREEHAND"
  :: GOTO 180
370 IF BEG*(A*,1,7)="UNTRACE" THEN PRINT A* :: A*="THAT IS IMPOSSIBLE!" ::
  GOTO 180
380 IF BEG*(A*,1,4)="STOP" THEN PRINT A* :: A*="I HAVEN'T STARTED YET!" ::
  GOTO 180
390 IF A*="REBTORE PROGRAM" THEN CALL CLEAR :: STOP
400 IF A*<>"" THEN PRINT A* :: CALL BOUND(150,220,1)::
  PRINT "* BYNTAX ERROR" :: A*=""
410 GOTO 180
420 SUB NUM(A*)
430 A*="NUM"
440 LINE=100
450 PRINT A*
460 DISPLAY AT(24,1):STR*(LINE):: ACCEPT AT(24,LEN(STR*(LINE))+2)SIZE(80):A*
470 IF A*="" THEN A*=STR*(LINE):: SUBEXIT
480 PRINT STR*(LINE)! " ",A*
490 LINE=LINE+10
500 GOTO 460
510 SUBEND

```

## \*\*\*A BASIC SOLUTION\*\*\*

Here is a solution for those of you who have been unable to run those longer programs in console BASIC with your disk drives on. The required items include memory expansion and Mini-Memory. Looks like there is a good use for it after all.

Go into BASIC with the Mini-Memory in place.	
CALL INIT	Prepares memory
CALL FILES(1)	Makes room for your program
NEW	Enables the last statement
OLD DSKX.YOURPROGRAM	Brings in your program
SAVE EXPMEM2	Stores your program in a safe place
CALL LOAD(-31888,63,255)	Disables disk drives
NEW	Cleans console memory
OLD EXPMEM2	Brings your program back into the console
RUN	Runs your program

TO RESET DISK DRIVE,  
[TURN OFF COMPUTER] or [QUIT] or [CLEAR AND CALL LOAD(-31888,55,215) NEW]

### \*\*\*ERROR\*\*\*

THE "READ THE CATALOG" PROGRAM IN THE DISK CONTROLLER MANUAL CONTAINS AN ERROR IT SHOULD READ  
PAGE 41 (PHP 1240)  
PAGE 43 (PHP 1800)  
300 B\*=" "&STR\$(K)  
THIS PREVENTS CRASHES ON FILES SMALLER THEN 10  
NOTE THE TWO SPACES BETWEEN QUOTES

### \*\*\*PRINTER\*\*\*

Trying to get more than 80 columns out of your printer? The secret is in the OPEN statement. Your interface card defaults to a maximum length of 80 characters. All you have to do is change your OPEN statement to include VARIABLE 132. Example for use in BASIC "PIO",VARIABLE 132. This will give you a maximum length of 132 which is all my printer will do.

### \*\*\*NEW THIRD PARTY SOFTWARE\*\*\*

The SUNWARE, LTD company of Lubbock, Texas has some new software cartridges for your TI. We will have some fliers at the meeting for those of you who are interested. They all appear to be games. For those of you wishing more information you may write to the company at. SUNWARE, LTD, Park Tower, Suite 140, 1617-27th Street, Lubbock, Texas 79405

### \*\*\*HINT\*\*\*

Here's a hint from Stan Garvey -A Simple Word Processor-

Number your lines and use REM like you were typing in any program. You then have available 4 lines for each line number for text. You can have as many line numbers as you want. I use this for text and to practice typing. You can edit at any time. If you want you can save and recall to cassette. Very useful and no cost.