This was handed to me last month, it is a report that was taken off the BBS's. I reccived it from Mickey who in turn got it from Gary Kuehn was "REPOORT FROM THE 14th ANNUAL CHICAGO TI FAIR. held November 9,1996 by Charles Good. Because of the length of the report,I may have to continue it in the next issue.

(C.Good) I just returned home from the faire and thought that. I would put some of the show's highlights down on paper while they were still fresh in my mind. I think that all of the following should be of interest to the TI99/4A and Geneve community.

Berry Miller of 9640 news was there.I haven't seen him at a TI show in several yeaars. He was selling an IBM compatible CD ROM with lots of archived TI and Geneve softwear and text files.You can use thisthe basis for a BBS download system or send the files over to your TI via a serial cable. Price $50. This is not the same product currently being sold by Kyle Crichton of Compentiton computer.Berry and Kyle's CDs have different mixtures of softwares. Berry assures me that all the material on his CD is already in the public domainor that he has specific permission from the software authors to distribute the non public domain stuff on the CD.P.O.Box 752465,Memphis TN 38175.Phone 901-368-1169.
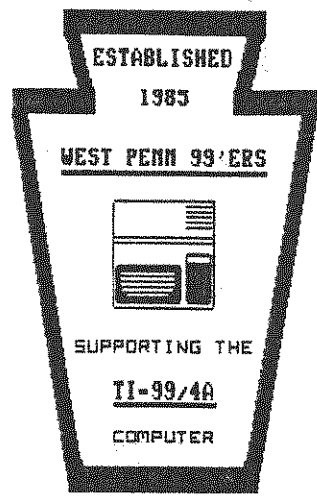
Gerd Weissmann showed some PE Box Cards for sale by Michael

Becker and others in Germany. The card that interested me the most was the 80 column card.It produces,I think,32k colors. You need a Geneve/Amega compatible monitor such as the no longer produced Magnavox 8CM515 to see all the colors. Gerd showed some highly detailed GIF pictures of earth globes and a picture of a hamster with each hair showing. Using the same he switched back and forth between 256 colors (the resolution of all other 80 column cards for the TI and the Geneve's resolution) and the card's maximum resulution. The difference was dramatic.This card works with a regular 99/4A system or with a fast cpu/gram system that was also demonstrated.

The fast cpu/gram system consist of two cards that put the entire 99/4A Keyboard (only) cabled to the fast cpu card and says that within a couple of weeks the eprom that allows onne to use an AT keyboard with the fast cpu card will be ready. There is already a jack on the fast cpu card for an AT keyboard.The gram card,which must be uused with the fast cpu card,has lots and lots of gram memorry. There are,I think,16 banks of gram and most of these banks are in flash eproms so they are very stable yet can be reprogramed. some of the gram memory is in ram so that you can make alterations to your gram modules before loading the module into a flash eprom.

WEST PENN 99'ERS CLUB INFO

Next Meeting Date: January 21, 1996

Meeting Location: Penns Woods
                         Civic Association

                         Just off Route 30

                         N. Huntingdon, Pa

Time of Meeting: 7: P.M.

GENERAL ITINERARY OF OUR CLUB'S MEETING

6:45 P.M.	Doors Open
7:00 P.M.	Genrral Meeting
7:45 P.M.	Demos and New Info
8:45 P.M.	Questions and Answers
9:30 P.M.	One on One Help
10:00 P.M.	Socializing
10:00 P.M.	Doors Close

MEETING HIGHLIGHTS FOR THIS MONTH

Submarine Commander...................Demo by Paul Brock

Computer War..........................Demo by Paul Brock

River Rescue..........................Demo by Paul Brock

Special Intrest.......................Demo by Paul Brock

Open Intrest..........................Demo by Anyone

LIST OF WEST PENN OFFICERS FOR 1997

President:	Paul Brock	412-478-2754
Vice-President:	Norm Rokke	614-264-6442
Treasurer:	Ed Mandich	412-824-5566
Recording Secretary:	Paul Brock	412-478-2754
Corresponding Secretary:	Paul Brock	412-478-2754
Librarian:	(Open)	------------
Newsletter Editor:	Paul Brock	412-478-2754
Assistant Editor:	Paul Brock	412-478-2754

ESTABLISHED 1985
WEST PENN 99'ERS
SUPPORTING THE
TI-99/4A
COMPUTER

The West Penn 99'ers Users Group is a Non-Profit organization, dedicated to encouraging the continued use of the TI-99/4A home computer.

Our Membership Fee is:

* $15.00 per year for an INDIVIDUAL / FAMILY membership.
* $10.00 per year for a NEWSLETTER ONLY membership

Those having Full memberships are entitled to the many extra benefits our club has to offer.

Some of those benefits are:

* Getting to meet some of the nicest people.
* Demos of the latest TI-99/4A software.
* Free copying of our West Penn 99'ers Disk Library.
* Up date of T.I. news,Local,National,International.
* One on one help / Problem solving.
* Participation in our Module Lending Library.
* Participation in our Video Lending Library.
* Ribbon re-inking- for just $1.00 per ribbon.
* Various Computer supplies - at a substantial savings.
* Ability to trade or sell computer equiptment,or electronics.
* Help on getting equiptment fixed.

We meet the third Tuesday of each month at the PENNS WOODS CIVIC ASSOCIATION in North Huntingdon,PA. at 7:00 P.M.

If you can't make it to our meetings...at least become a Newsletter member - and enjoy our NEWSLETTER FORMAT- done entirely on a TI-99/4A computer.

SEE PAGE 10 FOR OUR WEST PENN MEMBWRSHIP APPLICATION.

FOR THE RECORD
BY
PAUL BROCK

DECEMBER MINUTES

I officially opened my frist meeting a wee bit late.It was around 7:20 when I got the attention of everyone. The frist thing that I spoke of was about the NewsLetter.
I was looking for some criticism,and recived all praise. I wounder?

The frist thing that I did was to mention the Secretary report.There was a few things that I mentioned, that I didn't put in the NL.This was brought to my attention by one of the members by way of the mail. FRIST-ADDITION. Which was to be (EDITION). Things were going pretty fast for me at the time,as you can see I am off to a good start.

We got a good report from the treasurer. As far as I can see we are still in good shape for the comming year. Those of you that have Micropendiums to be picked up can do so at the next meeting.

I gave a demo on, War on the Sea.From RamCharged Computers. It had super great graphics and joy stick action. I also gave demo on the game QBERT. This was a fun game plus excellent graphics and you had to be an expert with a joy stick.

John Whelan gave his closing remarks. He showed us how he had worked on the software library, and said he would close by adding a few remaining disks to the library.
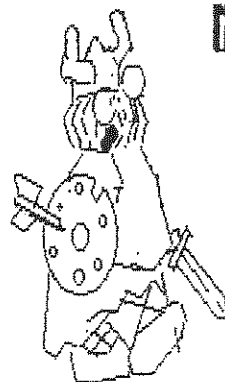
Mickey was here to offer her support as I was stumbling along. She also shook my hand and said that I did a good job. I don't know if there will be any pepsi wars, there may be a problem if there isn't any coffee.

Art brought the coffee and pop, but he forgot Lynn! We also had cake and cookies. Christmas prizes were handed out. John Whelan told a humorious Christmas story. We only had twelve members. If the weather holds out and there isn't any snow, see you on the 21st. of January. Ed wants me to remind you that DUES are DUE.

Untill then my
QUILL has run out
of ink!

MESSAGE FROM THE
PRESIDENT
&
EDITOR

This being my second month as President I want to thank all those special TI'ers that welcome me to the roost. I am tring the best that I can to accomplish the impossible. I am not a very good speller nor am I good with Literature. If I should get the punctuation in the wrong place I hope that I am forgiven.

I am looking for some support. I want to give to the TI community the most and the best information that I can muster. I am striving to make this the best NewsLetter possible. All advice and remarks will be greatly appreciated. I have come to enjoy my TI and now that I have this greater challenge, I am getting a lot of time with my TI. I am starting to use a lot of S/W that I have on the shelf. Of course I don't know if I will get to use all of them.

As most of you know, I am a Page Pro fan. I will continue to use Micky's Editor format to publish the Newsletter. Although the Newsletter will not be intirely in Page Pro, it shall be done on my TI-99/4A. I never thought that I would be writing a newsletter. As you can see I love graphics. If it wasn't for the time, the page would be covered.

This Newsletter will be arriving before the next meeting, I hope! Therefor I am presenting the holidays for February, whats more appropriate than two presidents for a pict.. Don't forget St. Valentine's day. I made a Valentine card for my wife last year on my TI, maybe you could do the same for your sweetheart. There is a switch on the lower right hand side silde it to the right, if the light dosn't come on, just plug it in and try again. If you need assistance, just call. It more fun watching the snow from indoors, than standing in the snow in your bare feet. HAPPY VALENTINE'S DAY, and HAPPY BIRTHDAY TI'er where ever you are!

CONTINUE from Page 1

These are expensive cards with unique features. As I recollect the price of the 80 column card is 380DM ($1US=1.5DM). Don Walden of Cecure electronics grabbed Gerd at the Chicago aairport the day before the fare and whisked him to Wisconsin to look over Gerd's hardware and probably to try aand arrange to manufacture and sell the cards onthis side of the Atlantic. Nothing at all definate had been worked out between these two when Gerd arrived at the faire the next day. Gerd's address is **Koenlgstrasse 17-19, D-67655** Kaiserlautern, Germany.

Bud MIlls was there. As some of you know Bud has done very little for the TI community in recent months aand is way behind with repairs and service work on productd his company has sold in the past. The problem as I understand itis that Bud was making long daily drives to help his brother take care of their dying mother. This included construction of a new downstairs bathroom. Bud buried his mother last week and now promises to get caught up with everything. He told me that his back log of repairs will hopefully cleared up by the end of November 1996. I hope so. Bud has the seed mony for another production run of Horizon Ramdisk series 4000 boards. New horizon Ramdisks will soon be avilable. Pgram cards and memex (for theGeneve) cards are now available. Bud said in his seminar, "I'm not running out on you guys. I am here for the duration. As long as there is

interest in the 99/A and in my products I will be here." That is very good news.

Bruce Harrison demostrated an AMS version of the TI Artist slide show program at his table. The software poped a TI Artist picture up on the screen, displayed it for 1.0 sec, then put another up. With this this kind of speed you can produce animation. At his seminar Bruce showed off the new Loadmaster. This is greatly enhanced compaired to the frist version of Loadmaster I reviewed in Micropendum just a month ago. I was very impressed! It is now FAST, with assembly language support. It Identiifies just about every kind of file there is in the 99/4A world (telling you that the file is an EA3 program, a TI Base data file, a Page Pro font, ect. ect.). From a Loadmaster disk directory you can directly run Extended Basic, EA5, and EA3 software and you can view text files. Running EA3 software from the loadmaster menu is particularly user friendly, more so than any other way of running EA3 software including Funnelweb and the EA5 module. AMS Artist slideshowm is commerical. Bruce sells it for $7.. The new Loadmaster is shareware, with all donations shared equally between Bruce and Mickey Cindrowski, the two authors. Send me $1. (P.O.Box 647, Venedocia OH 45894) and I will you the new Loadmaster. If you like it the title screen shows where to send your shareware donation. Bruce Harrison,5705 40th place,Hyattsville MD 20781. Phone 301-277-3467.

CONTINUE from Page 4

Mike Wright (dba Cadd Electronics) demonstrated PC99. In my opinion this is the best, most flexible of the IBM emulators that mimic a 99/4A. It should be the best because the others are free and PC99 cost $50. But,you get support! For example, Mike offers to convert your TI disks (SSSD or DSSD) to PC99 format on an IBM disk for only $0.25 per disk. You can of course cable your IBM and TI together to do this, but Mike's service is so convenient why bother. The most interesting thing to me about Mike's demo was the availability of original 99/4A manuals on disk. Almost all the command module manuals, including the EA manual are available. Whhat you get is anexecutable file on an IBM disk. No additional cost software isneeded. The file opens up to produce a facsimile of the orginal, complete with all orginal graphics. A table of contente has been aded and any typos or known errors in the original manuals have been corrected. You can search for text stringd and you can print the manual on your printer. These are legal copies of copyrighted TI products and part of the reason for the relatively high cost is that TI gets a cut. Most manuals cost $2. (some $3) If you supply the disk and return postage. If Mike supplies the disk and postage the cost is $4 (some $5) per manual. A list of what is available and exact cost is available from CaDD Electronics, 45 Centerville Dr., Salem NH 03079. Phone 603-895-0119.

Ken Gilliland was there with his bride. Kin talked about his plans for additional TI Casino games, including a version of poker in which one human player plays against three computer players. This isn't done yet but is will along. He also showed a new solitaire game that is available as a stand alone product or as an addition to TI Casino. I have a review of this game comming out in the next Micropendum.

Ramcharged Computers was there with lots of software from the old Asgard and Texaments companies. I purchased some oldies that I didn't have and thought I would be able to use. There has been some discussion recently on the internet newsgroup comp.sys.ti concerning the status of the old Asgard Software company and how this relates to Ramcharged Computers. As I understand it, this is how it works. Ramcharged, as a dealer, purchased from Harry Brashear all remaining Asgard software inventory. Harry still has the Asgard name with its rights and obligations. Ramcharged did not purchase any of the rights or obligations of Asgard, onnly a bunch of software packages with documentation. Ramchared cannot manufacture additional copies of its Asgard products, but can sell what it has untill its stock runs out. That is what Ron Markus of Ramcharged told me some time ago. So, Ramcharged is not Asgard, But they have a lot of stuff. If you Spell It or other ASgard titles contact Ramcharged and see if what you want is in stock.

CONTINUE from Page 5

Phone Ramcharged Computers at 216-243-1244. You will be talking to Ron or Ada Markus.

From the EDITOR!!- I do all my shoping from Ron"Ramcharged Computer". I find that I can get what I need for my TI, plus a lot of advice on Software and hardware, by just a phone call. I recently bought a mouse, and a printer and the service was very fast. If you need ribbons or cables and lots of TI equiptment, just give him a call. I'm sure you won't be sorry.

A Valentine (or a few articals was sent to me from Ed Mandich). I picked one for this month entitled -

13 Ways to kill your User's Group.

1) Do not attend meetings. If you do, arrive late.
2) Be certian to leave before the meeting is over.
3) Never offer your opinion at the meeting.
   Wait untill you get outside, where it will make a difference.
4) At the meetings, vote to do everything, then go home and do nothing.
5) The next day, find falts with your officers and fellow members. Openly criticize without offering to assist them.
6) Take no part in the groups affairs.
7) Sit in the back and start your own meeting with others. if you speek quietly, none will notice.
8) Take all your group can give, but give nothing in retturn.
9) Talk about cooperation, but never comprimise.
10) Threaten to resign when things don't go your way.
11) Never ask anyone to join the group.
12) Never accept an office. better to criticise, than be criticized.
13) Do not give anything more than you have to, regardless of what it is.

GREAT MOMENTS IN DATA PROCESSING

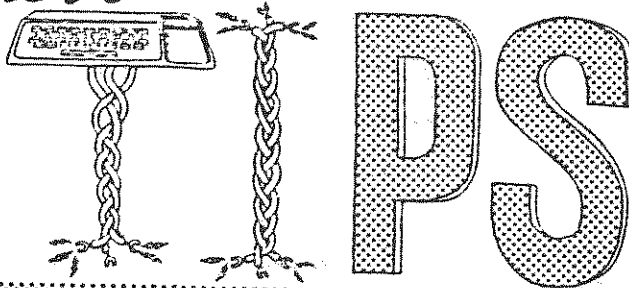WAIT A SECOND... IT'S ALL COMING BACK TO ME NOW

1490 ... THE SPANISH INQUISITION PIONEERS NEW METHODS FOR INCREASING MEMORY CAPACITY.

COMPUTING IS LIKE A LITTLE BIT OF HEAVEN WHEN WORKING WITH YOUR TI IN NINETY SEVEN.

I use to play PAC-MAN on my TI, The doctor said that I needed more exercise, so I played CENTIPEDE.

Brader's TIPS

TIMELY TROUBLESHOOTING & TINY TUTORIALS FOR YOUR TRIALS & TRIBULATIONS

In this column, David Brader answers questions on any area of TI-99/4(A) computing. The most representative questions received will be answered and printed in this column. Do you have a question? Send it to:

BRADER's TIps
99'er Magazine
P. O. Box 5537
Eugene, OR 97405

The usual trouble with the *first* edition of a question-and-answer column is the lack of questions! We're indeed fortunate not to be in that situation since many of you have faithfully responded to the bind-in questionnaire cards. We'll therefore draw our first batch of questions for this column from these.

BASIC Pauses

Why does it often take so long for the cursor to come back after I change a line in a large program?
There are a couple of things going on during this pause: One thing happening is an adjustment of the length of the line you changed (if you shortened, lengthened, added, or deleted it). This may require repositioning all the lines that follow the one you changed. Another thing adding to the pause is the adjustment of any "pointers" in the program that may reference any lines that have been moved. These pointers are associated with BASIC statements like GOTO, GOSUB, NEXT, or IF-THEN.

Why does it sometimes take so long for a BASIC program to start after entering RUN?
This pause is what TI calls "prescan." During this time, the entire program is scanned and a list with all the program variable names and locations is generated in memory. This list is often called a "symbol table." Then, all variables are set to their initial values and the DATA statement pointer is set to the first DATA statement. [Note: The new release (version 2) of Extended BASIC provides you with the ability to control prescan by turning it on and off at various points in the coding, thus cutting down on lengthy pre-RUN waits—Ed.]

BASIC "Garbage"

I noticed that sometimes a RUNing TI BASIC program seems to hesitate or stop for a few seconds. Then it starts up again like nothing happened. Is there something wrong with my computer?
Your computer is not sick. Believe it or not, this hesitation is a pause for "garbage collection"! Part of the TI-99/4(A) memory sometimes is used to hold data or text strings that the BASIC program is working on. Each time the program needs some of this memory for new data or new text, it uses some that it had not used before. Well after a while, all the unused or "clean" memory is gone. So the program is tempo-rarily halted so that the "garbage" memory can be "cleaned"

and "collected" into what is called the "free space pool." Then the program is allowed to continue.

RS232 and External Printers

How can I connect a dot matrix or letter-quality printer to my TI-99/4A system?
This question comes up a lot. Currently, the only way to hook up a foreign device (other than floppy disk drives; see Sept./Oct. issue p. 48-51) to the TI-99/4(A) is through the TI RS232 Accessories Interface (model PHP1700). This will allow the addition of two devices (like a telephone modem and a printer). The device that is being connected must have an RS232 interface built into it. Finally, a cable must be purchased to connect the foreign device to the PHP1700. [Note: TI's new Peripheral Expansion Box recently unveiled at the Consumer Electronics Show (see related article this issue) will support a new plug-in RS232 Interface module with a *parallel* port in addition to the two RS232 serial ports. This will allow hooking up many popular printers directly, eliminating the need for purchasing a separate RS232 accessory card for printers that don't include one as standard—Ed.]
TIP: The Epson MX-80, MX-80FT, and MX-100 printers use a standard "RS232 male-to-male" type cable. For the Okidata Microline 82A, with its standard built-in RS232 interface, this is not true. Okidata puts the printer "busy" signal on pin 11 of the cable, and the TI RS232 Interface needs that signal on pin 20. So in this case, a standard RS232 male-to-male cable must be modified on one end by swapping the wires in pins 11 and 20. If this is not done, the printer will not print parts of some lines (due to data overrun).

Word Processing

How can "word processing" be done with the TI 32-column display when most text is 80 or ever 132 columns wide?
Word processing with a 32-character line length is handled quite differently from a normal, commercial word processing system. There are currently two approaches to this problem:
The first approach is simply to allow the line to fold back to the left side of the screen each time you create a segment that is greater than 32 characters long. The trouble with this is the problem you have visualizing the actual format or layout that is being created. When you are trying to lay out something in a tabular format it often becomes a trial and error project. This approach, however, is easy to implement in BASIC and is fine for letter writing or normal text creation.
The second approach is more complex to implement (usually done in Assembly Language rather than BASIC) but does away with the folded lines on the screen. It uses a "window" into the text format that you are creating. This "window" is 24 lines high by 32 characters wide. If you cut a small square hole in a blank sheet of paper and place it over the text in this magazine, you will get the idea of this "window." By moving the sheet of paper up, down, left, and right, different portions of the text format are brought into view of the "window." You can similarly slide text on a TV display or monitor with the use of special keys on the TI-99/4A computer.

12/96

THE INCOMPLETE AND ABRIDGED COMPUTER TERM LEXICON

From the Washington, DC 'Gazette' of July 13, 1983.

ANALOG - An hors d'oeuvre, usually made frome cheese and covered with crushed nuts.

APPLE - Typically a device used to seduce men, usually equipped with display screens and/or worms.

BAR CHART - A list of places to go when it is Miller time. BASIC - A form of motion sickness that occurs only after waiting for two hours to cross the bridge and continue on to Ocean City.

BINARY - Posessing the ability to have friends of both sexes.

BIPOLAR - A descriptive term referring to someone who has homes in Gnome, Alaska and Buffalo, New York.

BIT - Similar to a nibble. Commonly eight nibbles in a mouthfull. See byte.

BUBBLE MEMORY - A derogatory term, usually referring to a person's intelligence. See also "vacuum tube."

BUFFER - A process through which computers are treated to prevent stomach upset.

BUS - Small living things that small living boys throw on small living girls.

BYTE - A mouthfull, as in "How many bytes in a Big Mac?"

CARRIAGE RETURN - The act of returning a vehicle to the rental counter.

CASSETTE - A very small petite cass...usually achieved through exercise.

CHARACTER DENSITY - The number of very weird people in your computer club.

CHIP - Any number of small crunchy objects often served with onion dip.

CLOSED LOOP - A method of execution no longer in vogue except in Iran.

CODE - Usually lasts about three to five days, accompanied by sore throat, runny nose and fever.

COMMAND - Statement presented by a human and accepted by a computer in such a manner as to make the human feel as if he is in control.

COMPILE - A heap of decomposing vegetable matter.

CONVERSATIONAL MODE - Describes the typical office on a Monday after a Steelers game.

COUPLING - An activity usually preceded by marriage, but not necessarily.

CPU - A juvenile way of telling your dog he missed the paper.

CRT - A movie about a little alien who forgets his telephone number and must write home.

CURSOR - An expert in the use of four letter words.

DEBUG - The act of placing shoe leather against a small creeping creature.

DISC DRIVE - Propulsion method developed by a well known foreign car manufacturer.

DOWNTIME - Title of a movie song popularized by Petula Clark.

DUMP - The EPA's answer to health.

EPROM - Movie actor Eprom Zimbalist, Jr.

ERROR - Something only humans can commit.

FIFO - A cute name for a dog.

FLOPPY DISCS - A defect occurring in all 1952 disc drives, necessitating a factory recall.

GIGO - A movie industry acronym referring to the numerous Gidget Goes **** movies, i.e., GIGO Hawaiian, GIGO Crazy, GIGO Surfing, etc., etc.

GLITCH - Scientific name for the little balls of fuzz that collect in navels.

HARDWARE - Typically boots, leather and chains. Contrast with software.

INTEGRATED CIRCUIT - The end result of busing.

INTERFACE - The opposite of "Getouttamyface."

K - A term used in employment ads to disguise how much they are really willing to pay.

KEYPUNCHING - An activity similar in most aspects to cowpoking.

MEGAHERTZ - A very large car rental company.

MODEM - A contraction. Commonly used as in "Give me some modem cookies."

NETWORK - The occupation of a fisherman.

ON LINE - A statement shouted at tennis judges in response to serves being called out.

OUTPUT - What people who talk backwards do to their cat.

PROGRAM - What commercials try to do to us.

RAM - A male sheep with horns.

REAL TIME - Here and now, as opposed to fake time which only occurs there and then.

RECURSIVE - See "recursive." ROM - A RAM after a delicate operation.

SEMICONDUCTOR - A person hired to lead an orchestra before he has graduated from the famous director's school.

SERIAL PROCESSING - The procedure through which corn flakes are arrived at.

SNOBOL - A small white round object thrown in the winter.

SOFTWARE - Typically silk nighties, nylons, garter belts. Contrast with hardware.

STRING - A object a kitten will play with but if given to a cat will cause him to leave home.

TERMINAL - What most people have to be before consenting to see a doctor.

TRANSISTOR - A sibling, i.e., a transbrother.

TYPEWRITER - A contradiction in terms.

VACUUM TUBE - A derogatory term. See "bubble memory."

Joe Ekl   West Penn 99'ers

TI TRICKS

by WESLEY R. RICHARDSON
NORTHCOAST 99ERS, CLEVELAND, OH

BACKUPS When you are writing any program or document on any computer, it is a good practice to save your work every 15 minutes. If the power goes off or if the computer locks up, you will only loose the last fifteen minutes of work. I also make it a practice that when I finish a session on the computer that I first save the document or program to two different disks and then print out a listing of it. If something should happen to the disks, retyping the information is a lot faster than creating the material from memory.

TI-WRITER If you are using two different files and combining information, when you do a LoadFile (LF) or SaveFile (SF), you can put both filenames on the prompt line and TI-W will only use the first name. For example, DSK1.FILE1 DSK1.FILE2. By doing this you don't need to remember the other file name or retype it when you are finished with FILE1. If you want to insert or delete several spaces on sequential lines for formatting purposes such as a table of numbers, it can be done quite easily. First put a character which you haven't used anywhere else such as : on each line at the point that you want to insert or delete spaces. Turn off word wrap with CTRL O. Then do a ReplaceString (RS) using the form /:/^^^^/ to add spaces or the form /:^^^^/^/ to delete spaces. The replace string is also useful for removing the nonprinting characters such as CR or LF. The CTRL U function will work in the command line the same way it is used within a document to access the ASCII characters from 1 to 31.

EXTENDED BASIC While developing a new program, use line 90 REM DSK1.PROG001 at the start of the program. Each time you save the program, do so by typing 90 then FCTN X. Press (ENTER) then FCTN 8 for redo. Delete the 90 and press enter and your program will be saved to disk. Press FCTN 8 again and change to DSK2 to save to a second disk. Do 90 FCTN X again and increment the name to PROG002. By doing this, if the last changes you make to the program created new problems, then you can go back to the previous revision. When your program is done, delete line 90 and save the program. Save the program with a different name using "DSK1.PROGM",MERGE format. Then type NEW, then MERGE "DSK1.PROGM". Then save the program to two disks using the final name.

DV80APPEND

by WESLEY R. RICHARDSON
NORTHCOAST 99ERS, CLEVELAND, OH

The Extended BASIC program, DV80APPEND, will append a Display Variable 80 (DV80) format file to the end of an existing DV80 file. One purpose of this utility program is to combine files which are too large for them to both be loaded into the TI-Writer Editor.

Since the TI-Writer Editor uses the last line of the file to store the margin and tab settings, you may wish to load the appended to file using the Editor/Assembler Editor and then save the file back to disk to remove the tab settings line. The only caution using DV80APPEND is that if the first character of a line has an ASCII value greater than 127, then that line will not be included in the output file.
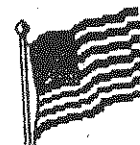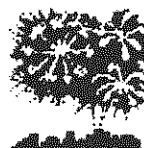
The program works best with the input file on one disk drive and the output file on another disk drive because the disk is accessed for each input and output line.
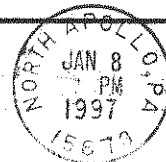
```
100 REM DV80APPEND
110 REM WESLEY R. RICHARDSON, DECEMBER,
     1990
120 REM NORTHCOAST 99ERS, CLEVELAND, OH
130 PRINT "DSKX. FILE TO ADD?"
140 INPUT "  ":F1$
150 PRINT "DSKX. APPEND TO FILE?"
160 INPUT "  ":F2$
170 OPEN #1:F1$,INPUT
180 PRINT "READING ";F1$
190 OPEN #2:F2$,APPEND
200 LINPUT #1:W$
210 IF EOF(1)THEN 260
220 IF ASC(W$)>127 THEN 260
230 N=N+1
240 PRINT #2:W$
250 GOTO 200
260 PRINT "CLOSING ";F1$
270 CLOSE #1
280 PRINT "CLOSING ";F2$
290 CLOSE #2
300 PRINT N;"LINES ADDED"
310 END
```

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