



THE  
DATA  
BUS

ISSUE :  
VOL. 5  
NO. 1  
- - - -  
F E B .  
1 9 8 7

THE DELAWARE VALLEY USERS GROUP  
DEDICATED TO THE II AND COMPATIBLE HOME COMPUTER FAMILY

P.O. BOX 6240 STANTON BRANCH, WILMINGTON DE 19804  
4TH THURS. 6:30-9:30 P.M. CHRISTIANA MALL COMMUNITY ROOM

KENT COUNTY, DE COURTHOUSE <CHAPTER> DEPTFORD, NJ MUNICIPAL BLDG.  
2ND MONDAY 7:00-9:00 P.M. <MEETING> 3RD MONDAY 6:45-9:00 P.M

Notes from the South Jersey Chapter  
by Tony Di Febbo

The raffle for the Myarc 9540 will be at a close by the time of the next South Jersey Chapter meeting. Get your tickets now!!!

Also, a group purchase of the Avatex 300/1200 baud modem is being made. Anyone interested in purchasing one should contact me by electronic mail. Please leave name, address, and phone number.

We are re-introducing a BASIC tutorial class once a month for people who have just started to use their II. Also, we may begin splinter groups in Assembly Language, Multiplan, and II-Writer.

There have been some problems with our B.B.S. due to equipment add-ons and we apologize for the trouble it created. Things "seem" to be OK. We'll keep an eye on this.

Demonstrations at the Feb. meeting will include the Corcomp 512K Standalone Memory unit, DISKASSEMBLER, II Music Maker Cartridge and other "Music" Programs. A mapping session on II related problems will be held, too.

The newly elected officers of the South Jersey Chapter are:

President	Tony Di Febbo
Vice-President	John Simpkins
Secretary	Jim Higgins
Treasurer	Howard Albright
Sergeant-at-Arms	Errol Lansberry

(Congratulations to the new officers of the South Jersey Chapter and Good Luck. Thank you Tony for bringing us up-to-date.---Editor)

CHRISTIANA  
MEETING

WEDNESDAY

2/25/87

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DUUG EXECUTIVE COMMITTEE MEMBERS IN 1987

PRESIDENT .....TOM AUGUST  
 VICE PRESIDENT .....JIM DAVIS  
 SECRETARY .....TIM EUERS  
 TREASURER .....TOM KLEIN  
 SGT. AT ARMS .....JIM FDLZ  
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DUUG BBS: (302)322-3999 Anytime  
 (609)429-7792 Anytime  
 (302)674-1449 Anytime

For general information, you may contact  
 TOM KLEIN Pa. (215)494-1372  
 GIL or KAY QUILLEN Del. (302)492-8189  
 JACK SHATTUCK Del. (302)764-8619  
 BUTCH FISHER N.J. (609)783-8276

Delaware Valley Users Group membership includes:  
 library and software privileges, monthly DATA BUS  
 newsletter, plus other special benefits. Annual  
 membership rates are: Family or Individual \$15;  
 Student \$10; Newsletter only (beyond 75 mi) \$10.

TRANSMIT YOUR NEWSLETTER COPY TO: The Data Bus  
 Editor --- Jim Folz, Telephone (302)995-6848, or  
 use the DUUG mailing address shown on Page One.  
 PLEASE SUBMIT NEWSLETTER ARTICLES FOR AN ISSUE  
 BEFORE THE 2ND THURSDAY OF EACH MONTH.

An article appearing in The Data Bus may be  
 reproduced for publication by another II Users  
 Group as long as acknowledgment is given to the  
 sources as indicated. We encourage exchange  
 newsletters; mail to DUUG business address shown  
 on Page One.

DUUG ADVERTISING RATES FOR THE DATA BUS:  
 1/4 page = \$ 5/issue, or \$ 45/12 issues  
 1/2 page = \$ 8/issue, or \$ 75/12 issues  
 Full page = \$15/issue, or \$125/12 issues

DELAWARE VALLEY USERS GROUP MEETINGS  
 Plenary meetings: Delaware's Christiana Mall on  
 Rte. 7, at I-95 Exit 4-S, in the Community Room.  
 Enter between J. C. Penney and Liberty Travel  
 inside the Mall.

DELMARVA CHAPTER: Kent County Courthouse,  
 Basement Conference Rm #25, Green & State Sts,  
 Dover, De. Use the Green St. side entrance.

SOUTH JERSEY CHAPTER: Deptford Municipal  
 Bldg, Cooper Ave. and Delsea Drive, (Rtes. 534 &  
 47), in Gloucester County. Enter and park in  
 rear of the building.

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NOISE on The Data Bus  
 by Jim Folz

This month, I hope to appeal to companies  
 or individuals who hold rights to software that  
 they are making no return upon. Whether the  
 pieces are incomplete, superceded, unmarketed or  
 mature (as in the case of older freeware pieces  
 that are not generating revenue), it seems that  
 these programs are still of value to the II  
 community and no useful purpose is served by  
 withholding them. I urge each group and company  
 to examine their holdings and determine if any  
 can be released to the public or as freeware if  
 not already in that form. I ask those who think  
 this position is reasonable to encourage others  
 (including companies). The DUUG offers to  
 assist in releasing this type of software as  
 requested. Requests must be in written form. I  
 hope we all can benefit from these releases.

T.I.C.O.F.F.

First, note the DATE - March 28, 1987; TIME  
 9:30 AM - 4:00 PM; and PLACE - Roselle Park High  
 School. (See Map Page 3)

DUUG needs VOLUNTEERS to man OUR table in  
 one-hour shifts. We also need demonstration  
 ideas and equipment. PLEASE call Jim Folz,  
 302-995-6848, if you can help out in some way.  
 I will also start a carpool list for those  
 interested.

The Special Meeting scheduled for February  
 is cancelled. Due to T.I.C.O.F.F., there will  
 not be a Special Meeting in March, either. The  
 next Special Meeting is tentatively scheduled  
 for April 25, 1987. Watch here for updates.

The next regular meeting of the Christiana  
 Group is WEDNESDAY, February 25. This will be  
 our anniversary meeting. Cake and coffee will  
 be served and a 50/50 raffle will be held.

The Christiana Group will also raffle off a  
 Rave keyboard. Chances are \$3.00 and the  
 drawing will be held on the night of the sale of  
 the breakeven ticket. Following this raffle, the  
 raffle of a 1200 baud modem is being considered.

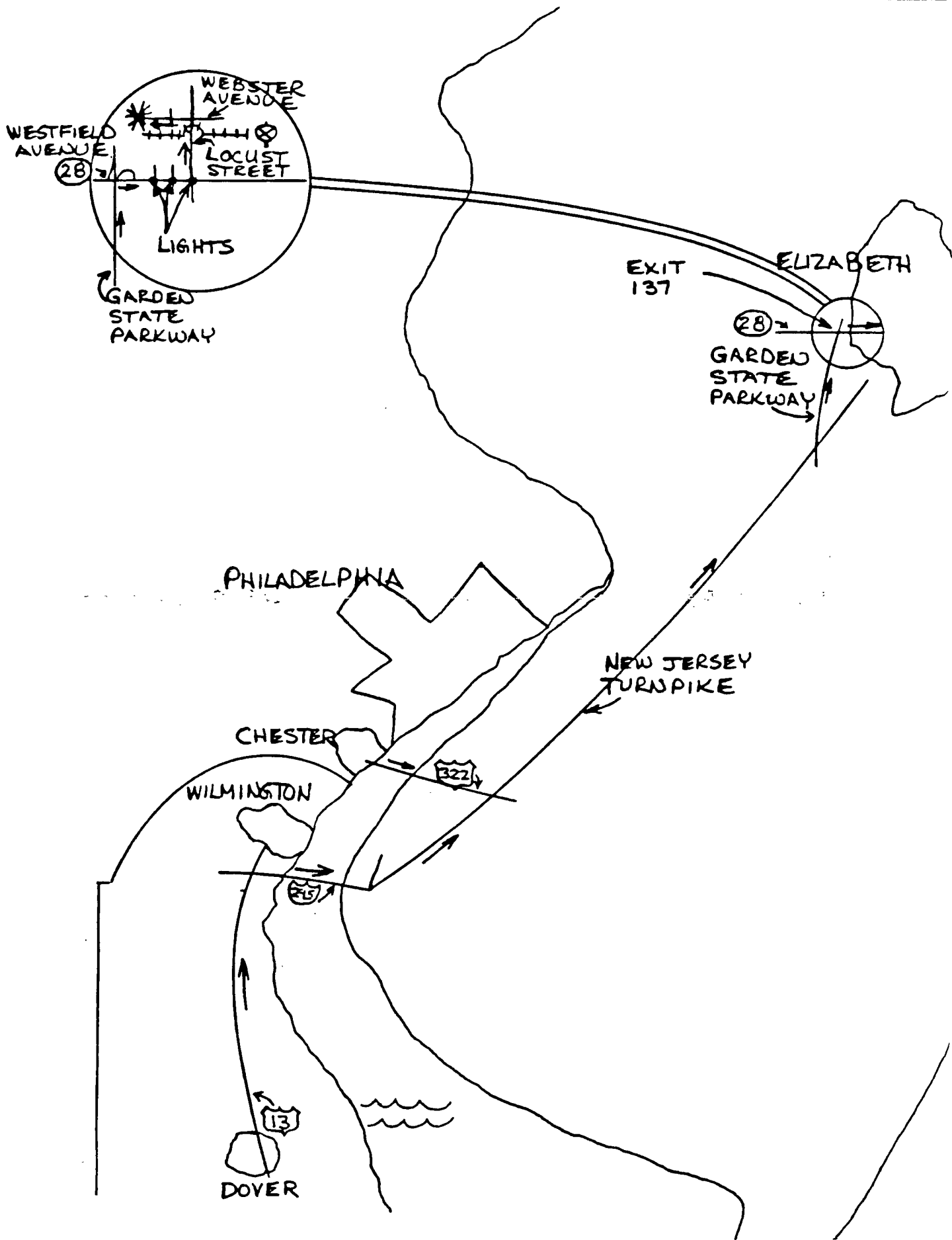
The club has received a "donation ware"  
 disk called RECORDS/+. It will be available  
 from the software library at the next meeting.

A club has reported FBI presence at their  
 II users group meetings. Those of us that are  
 not motivated by honesty and fairness may find  
 other reasons to honor copyright laws.

Also of note is an offer to sell Plato  
 software that the seller did not feel that he  
 needed any more. Unfortunately, the software is  
 not on its original disk. What is that small!

On a different note, John Kelley needs some  
 help to write a program to interface with U of D  
 Plato. Let's give him a hand.

After having been in Chapter 11 for a  
 while, it seems that Corcomp is going Chapter 7.  
 Personally, I hate to see this happen. I have  
 had a Micro-Expansion System for some time now  
 and don't know what I would have done without  
 it.



the TEXAS INSTRUMENTS COMPUTER OWNERS FUN FAIR

# T. I. C. O. F. F. 1987

## FEATURING:



9914A



9914A

**SPEAKERS  
VENDORS  
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*Sell or  
buy used  
equipment*

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DEMONSTRATIONS  
PUBLIC DOMAIN-  
SOFTWARE  
"TI" NOUATIONS**

Hear  
Ye!  
Hear  
Ye!

Come  
to  
the  
fair!

DATE: MARCH 28, 1987

PLACE: ROSELLE PARK, N.J.  
HIGH SCHOOL

Times 9<sup>30</sup> AM to 4 PM  
Ample Parking  
Carpools Recommended

Special Offer ONLY:  
FREE Disk of Utility Software  
On ADVANCE Ticket sales

Admission \$5.00

*We may be "orphans"  
BUT we still have  
a Future!!*

Checks for advance sale tickets payable to: Roselle Park High School - SC  
Please include a S.A.S.E.      Mail To:      Attn: Bob Guellnitz  
For more information:      185 W. Webster Ave.  
ROSELLE PARK, NJ 07204

COMPUSERVE ID #73547,2014  
or 6Enie Mail: TICOFF

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• SOFTWARE DRIVEN CLOCK	•	SLA MINUTS,8	DIGITS
• CURTIS ALAN PROVANCE AUGUST 20, 1986	•	C MINUTS,ASC160	AND RESTORE TO
• NEW HAMPSHIRE 99ER'S USER GROUP	•	JLT WRITE	CORRECT POSITION
• P.O. BOX 5991	•	CLR MINUTS	ARE WE PAST SIXTY?
• MANCHESTER, NH 03108-5991	•	INC HOURS	NO, JUMP TO WRITE
TEN EQU 0	•	CI HOURS,>0103	ROUTINE
•	•	JLT DK	SIXTY MINUTES ARE UP-
SIXTY EQU 1	•	LI HOURS,>F001	RESET COMPLETELY
•	•	DK	INCREMENT HOUR'S
•	•	CB @R6L,TEN	"ONE'S" DIGIT
ASC160 EQU 2	•	JLT WRITE	HAVE WE GONE TO
•	•	LI HOURS,>0100	13-O-CLOCK?
•	•	LI R10,>1640	NO, DK TO USE THIS
UDPWD EQU 3	•	MOVB R10,*UDPWA	HOUR
•	•	SWPB R10	RESET TO ONE-O-CLOCK
UDPWA EQU 4	•	MOVB R10,*UDPWA	(SPACE CHARACTER IN
•	•	LI R12,DIGITS	FRONT)
OFFSET EQU 5	•	LI R10,3	ARE WE UP TO TEN YET?
•	•	JMP WRITE2	NO, JUMP TO WRITE
HOURS EQU 6	•	WRITE1	ROUTINE
MINUTS EQU 7	•	LI R13,>9A00	WE KNOW IT HAS TO BE
SECNDS EQU 8	•	MOVB R13,*UDPWD	TEN-O-CLOCK
COUNTR EQU 9	•	WRITE2	
•	•	MOV *R12+,R13	TWENTY-THIRO
AORG >FFEB	•	A OFFSET,R13	CHARACTER IN SCREEN,
•	•	MOVB R13,*UDPWD	BYTES REVERSED
•	•	DEC R10	WRITE BYTE TO UDP
DEF CLOCK	•	JGT WRITE1	ADDRESS REGISTER
•	•	OUT	SWAP BYTES AND KILL
ADDRESS DATA START	•	LWPI >B3E0	TIME
•	•	RT	WRITE SECOND BYTE TO
•	•	MYWSP DATA >0A00	REGISTER
DIGADD DATA DIGITS	•	DATA 60	ADDRESS IN WORKSPACE
•	•	DATA >0600	WHERE DIGITS START
CLOCK	•	DATA >8C00	THREE PAIRS OF DIGITS
•	•	DATA >8C02	TO WRITE
MOV @ADDRSS,@>B3C4	•	DATA >9090	SKIP WRITING COLON
•	•		THE FIRST TIME
•	•		
MOV @DIGADD,@-2	•		MOVE ASCII FOR COLON
•	•		INTO CHARACTER
•	•		REGISTER
RT	•		WRITE BYTE TO UDP
•	•		WRITE DATA REGISTER
RORG	•		
START	•		
LWPI MYWSP	•		MOVE NEXT SET OF TIME
DEC COUNTR	•		BYTES INTO R0
•	•		ADD OFFSET TO
JGT OUT	•		CHARACTERS SO THEY'LL
•	•		SHOW UP PROPERLY
MOV SIXTY,COUNTR	•		WRITE BYTE TO UDP
INC SECNDS	•		WRITE DATA REGISTER
•	•		SWAP BYTES AND KILL
•	•		TIME
CB @R6L,TEN	•		WRITE BYTE TO UDP
JLT WRITE	•		WRITE DATA REGISTER
•	•		COUNT DOWN EACH TIME
SRA SECNDS,8	•		PAIR
•	•		LOOP BACK (AND
INC SECNDS	•		INCLUDE A COLON) FOR
•	•		NEXT PAIR
SLA SECNDS,8	•		
•	•		
C SECNDS,ASC160	•		LOAD GPL WORKSPACE
JLT WRITE	•		RETURN TO INTERRUPT
•	•		ROUTINE
CLR SECNDS	•		R0 = 'TEN' (IN THE
•	•		HIGH BYTE - USED IN
INC MINUTS	•		CB OPERATIONS)
•	•		R1 = 'SIXTY'
CB @R7L,TEN	•		R2 = 'ASC160'
JLT WRITE	•		R3 = 'UDPWD'
•	•		R4 = 'UDPWA'
SRA MINUTS,8	•		R5 = BASIC OFFSET
•	•		(>60), PLUS ASCII
INC MINUTS	•		OFFSET (>30)
	•		R6'S HIGH BYTE, HOLDS



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MAKING CONTRIBUTIONS FOR USE OF "PILOT" FAIRWARE PROGRAMS FROM DVUG LIBRARY

As noted previously in The Data Bus pages, the PILOT language creator Thomas Weithofer passed away as a result of the affliction of Cystic Fibrosis.

Both his PILOT disk of 358 sectors, and a documentation disk of 339 sectors, are available from our library.

Thomas' father, Frank, requests any suggested \$10 fairware donations go to: MINISTRY to ELDERLY & SICK, Nerinx, KY 40049, instead of to family members.



## SOFTWARE NEWS

By Jack Shattuck - DVUG Software Library Service

## DVUG'S FEBRUARY DISK OF THE MONTH: CHARACTER DESIGN AIDS

For the third time in four months we have available a single-theme Disk-of-the-Month. Included are listings of the character codes for the TI character sets, editor utilities to create your own, an example or two, printer programs to list or display them, a program for Epson-compatible dot matrix printers to change the char fonts, and a banner program you can adjust with your choice of the fill-in character.

For the two Assembly Language loaders, in case you don't have the E/A cartridge or the December Disk-of-the-month, Fairware XB loaders have been included.

Read documentation for the convenient EASYSprite, which could be used for standard 8x8 characters as well. The Editor/Assembler cartridge can read/write text files as well as edit TI source code. Remember, A/L routines need an extra 32K memory when called from XBasic or E/A.

## IF YOU WANT SOME UTILITIES TO USE THE DISK-OF-THE-MONTH:

If you don't have a Display/Variable 80 file reader from the DVUG Library yet (DM1000 includes one, too), an unusual choice of options is available as Fairware.

Steven D. Mehr, 633 Hollyburne Lane, Thousand Oaks, CA, 91360: PRINTOUT includes multiple-mode printing styles, altered line spacing, text or graphic file printing, D/V or D/F 80 files in single or multiple copies, optional form feeds between files and a disk catalog option. Send disk, postage, return mailer; \$5 donation suggested.

Jurgen Switalski, 218 Lake St., Northville, MI 48167 has RAPID SCROLL. 100% A/L routine loadable from TI-Writer, E/A, XB or MiniMem. 32K needed, allows various windowing of text to avoid some annoyances of TI-Writer. Stamped return mailer and \$3-\$5 donation obtains it.

Martin Smoley's FILE READER and Steve Patterson's FILE READER 1002 were discussed before (Data Bus, Vol. 4, No. 2, p.10; Vol. 4, No. 6, page 9). The latter is called an XB 16K version of RAPID SCROLL.

John E. Taylor, 2170 Estaline Drive., Florence, AL 35630, offers SPRITE BUILDER, Version 4, in XB, with 32K needed to access some A/L routines. Includes documented source code. Earlier version 2 for 16K tape use is available, with machine language routines, and with 115 predefined patterns.

Taylor used to sell it commercially, you can get it for \$7.50 SS/SD or \$5 DS/SD version, or free for disk, a return mailer and postage. (YOU initialize disk FIRST.)

## IT'S STILL THAT TAXING SEASON . . .

Another tax preparation program, TAXMASTER, XB, 32K and your printer, is available from Howard Arnold of 218 Beech Valley Road, Lewisville, NC 27023. Prints a final tax return onto the IRS form. \$5 covers disk, all costs.

Your 1040 can be prepared via a Multiplan template, as provided by Herman Geschwind, 1714 Clarendon Drive, Greensboro, NC 27410. It was included on Barry Traver's diskazine Vol. 1, Number 5. Another nice item for some tax reduction features was included on the prior GENIAL TRAVELER (Barry's gem), as well. I've spoken directly to the author, who's indicated they're intended for public domain consumption. We've put them in the DVUG library, and let our SYSOPs use them as well.

Geschwind is working on some future Multiplan tax issuances, as well, but regrets he can't do the W-4 yet.

## NEW GENIAL TRAVELER DISKAZINE VOLUME: SAVE BEFORE FEB.28

Genial Computerware, located at 935 Green Valley Drive, Philadelphia, PA 19128, is the source of GENIAL TRAVELER, which offered six disks, packed with very fine software, for \$30 during its first volume year. Packed, in that use of "flippies" meant over 700 sectors/disk, even for TI SS/SD owners.

Charter subscribers got 3 bonus flippies during the first year, as well. Barry Traver, author of ARCHIVER, has helped disseminate some great Fairware this way. If you postmark a subscription to Volume 2 by February 28, you get the next 6 issues at \$30; otherwise \$36. Quality of software is unusually outstanding.



IBM ONA



Triton has enlarged on the options for the Turbo XT add-on available to TI-99/4A users. The 256K version is \$499 (plus \$19.98 shipping), but you can also get either green or amber monochrome 80-col. monitor, 512K (instead of 256K), plus IBM XT keyboard all for an extra \$119.

512K & IBM keyboard, your choice of the mono/color graphics card, but with YOU providing the monitor, would be only \$50 more than the \$499 basic cost.

A variety of internal and external add-ons also are available, from floppy disks to 20 mg hard drives (which would run an extra \$499). Call 1-800-227-6900 for info.

MULTIPLAN FILE CHANGE TO LOAD FROM DSK2

(Suggested by Jim Ellis, as printed in the April, 1986, Hoosier Users Group HUGGers' Newsletter)

You can change the default drive sought by Multiplan to access files from DSK1 to DSK2 by revising the second sector of the MPINTR file. A portion is excerpted below with the dashes normally filled by hex digits 31 (which equate to "1" in decimal). Change them to 32 (which is hex for "2") by using a disk sector editor (available in the DUUG library), then save the new sector back to your disk. When you load Multiplan, you won't see it display DSK2 under the TRANS/LOAD OPTION, but it will look at drive 2 for your files.

The sector looks like this in part:

```

392C 8320 3A4C 8320 3808 8320 38FE 8320
35F2 8320 30C6 8320 3F46 0000 0000 0000
0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0000 0000 0000 0000 2EAA 0000
0000 0000 0000 0000 0000 0000 0000 0000
0000 0000 0005 4453 4B-- 2E20 0010 4453 Change 4B31 to
4B2E 5449 4050 2E4F 5345 524C 4159 000E read 4B32.
4453 4B2E 5449 4050 2E4D 5048 4C50 0000
0000 0000 0000 0000 0000 0026 0000 0000
etc.
    
```

Here are some other Loading considerations:

It is not uncommon to see the less-frequently-used lower case characters redefined for graphic purposes.

However, a slight nuisance remains when you prepare to run the next program. XBasic's CALL CHARPAT will not restore normative lower text patterns. Calling NEW still won't help. You could return to the TI title screen by invoking the command CALL LOAD(-31961,51) :: END.

A second, more practical method: CALL LOAD(-31961, 149) :: END will reset all character sets, seek and run a DSK1.LOAD program you have on your disk. This allows you to return to a menu loader, ready to roll like new.

From within an XB program (if you have 32K), you can run the CorComp Manager with this sequence:

```
CALL INIT :: DELETE "LD-CMDS" :: CALL LINK("MGR").
```

From MiniMem, you can load TI FORTH using Option 3 "Mini Mem", then Option 1 "Load & Run".

From an Editor/Assembler program that locks up on you, a CALL LOAD(-31860,96,41) in TI BASIC will return to E/A, without initializing memory expansion.

(Last 3 tips in LA 99'ers TOPICS. Their December, 1986, issue has a rich comparison of Data Base programs, which includes a review of: ACORN99 (Oak Tree Systems), DEMS (Navarone), DB1 (SPC Software), DB99 (Quality 99), DB300 (Intl. Users Group), DBX (Western Ware), PRBASE (William Warren), and TURBO DATAMAN (Easy Ware). Our DUUG lending library of newsletters from other User Groups has it.

**CHRISTIANA MEETING CHANGED= WEDNESDAY, FEB. 25. ELECTIONS!  
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