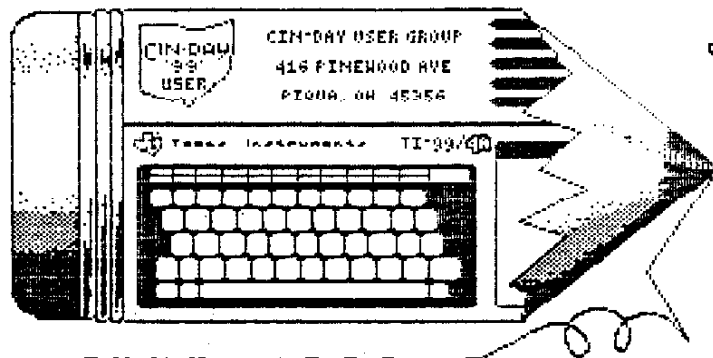


the
CIN-DAY
NEWS



JUNE 1988

LAST DAYTON MEETING:

THE LAST DAYTON MEETING WAS CALLED TO ORDER AT 12:15 PM. BY FRANK LARRICK (DAYTON SECRETARY), WHO STOOD IN FOR RICK KELLOGG WHOSE ABSENCE WAS NECESSARY BECAUSE OF RICKS INVOLVEMENT WITH HIS SONS IN THE CUB SCOUTS (RICK WAS INDIAN FUN DAY MASTER). FRANK THANKED LAZARUS FOR THE USE OF THE COIN ROOM FOR THE MEETING AND INTRODUCED THE OTHER OFFICERS PRESENT. THEY WERE; ERIC BISHOP (DAYTON LIBRARIAN), JIM SUSCO (DAYTON TREASURER) AND VOLUNTEERING TO ACT AS SECRETARY FOR TODAY'S MEETING WAS ERIC SAUNDERS. WE WISH TO THANK ERIC FOR HIS HELP. FRANK READ THE GROUP DISCLAIMER REGARDING THE SALE AND/OR PROMOTION OF ITEMS AT THE GROUP MEETINGS. STARTING WITH OLD BUSINESS FRANK AGAIN REMINDED THE GROUP OF THE TI CONFERENCE IN LIMA, OHIO STARTING AT 10 AM. ON SATURDAY THE 21st OF MAY. A MAP TO THE SITE ON THE OSU CAMPUS IS INCLUDED IN THE MAY NEWSLETTER. WE ARE RELEASING 5 NEW FAREWARE DISKS AT THE LIMA MEETING AND THESE WILL BE ADDED TO OUR LIBRARY. THERE WAS APPROXIMATELY \$20.00 COLLECTED FOR JIM SWEDLOW, WHO WAS OUR FAREWARE AUTHOR OF THE MONTH LAST MONTH. THIS MONEY WILL BE SENT TO JIM ASAP. THERE IS NO FAREWARE AUTHOR OF THE MONTH THIS MONTH. THERE WAS NO FINANCIAL STATEMENT AVAILABLE TODAY BECAUSE IT WAS NOT RECEIVED IN TIME FOR PRESENTATION. MEMBERSHIP CARDS WERE PASSED OUT TO THOSE ATTENDING AND HAD NOT YET RECEIVED THEIRS. FRANK PASSED OUT SOME OF OUR CIN-DAY USER GROUP POSTERS TO THE MEMBERS FOR POSTING IN ANY ALLOWABLE PLACE WHERE THE MEMBER FELT THEY MIGHT BE SEEN BY THE GENERAL PUBLIC. FRANK ALSO PASSED AROUND FLYERS, CATALOGS AND BROCHERS, GLEANED FROM THE DAYTON HANVENTION, FOR ALL TO LOOK AT AND GET ADDRESSES AND PHONE NUMBERS OF COMPANIES THAT MIGHT CARRY MERCHANDISE USEFUL TO MEMBERS. THE MEETING CONTINUED THEN WITH NEW BUSINESS. THE FIRST ITEM WAS A PROPOSED AMENDMENT TO THE CONSTITUTION TO CHANGE OUR PRESENT TWO TIERED MEMBERSHIP SYSTEM TO A THREE TIERED FORM. THIS NEW MEMBERSHIP TYPE WOULD BE CALLED REMOTE MEMBERSHIP AND IS FOR THOSE WHO DO NOT LIVE IN OUR AREA BUT WISH TO RECEIVE OUR NEWSLETTER AND TAKE ADVANTAGE OF OUR LIBRARY. THESE NEW MEMBERS WOULD NOT HAVE THE VOTING RIGHTS OUR REGULAR MEMBERS HAVE BE ABLE TO ATTENDED OUR MEETINGS. THE COST FOR THIS REMOTE MEMBERSHIP WOULD BE \$15.00 PER YEAR. ADVANTAGES WERE DISCUSSED AND A SAMPLE PROPOSED (THOUGH NOT FINALIZED) APPLICATION/ORDER FORM WAS PASSED AROUND FOR THE MEMBERS REVIEW. IT WAS INTENDED THAT A BALLOT FOR MEMBERSHIP VOTING WOULD BE RECEIVED BY MEMBERS BEFORE THE MEETING BUT BECAUSE OF THE HEAVY SCHEDULE OF THE PRINTER THE NEWSLETTERS WERE NOT MAILED BEFORE THE MEETING. ON THE BALLOT IS AN EXPLANATION OF THE PROPOSED AMENDMENT ALONG WITH A PLACE FOR VOTING. THIS WAS ALL TO HAVE BEEN COMPLETED BEFORE THE MAY 21st LIMA CONFERENCE. IT WAS DECIDED AT TODAY'S MEETING TO TAKE A WRITTEN VOTE OF THE MEMBERS ATTENDING TO MAKE IT POSSIBLE FOR US TO SELL REMOTE MEMBERSHIPS AT THE LIMA CONFERENCE. THE VOTE WAS UNANIMOUSLY IN FAVOR OF THE AMENDMENT. THE VOTE WAS WITNESSED AND SIGNED BY FRANK LARRICK AND ERIC BISHOP. CINCINNATI PROCEEDED IN A LIKE MANNER AND THE VOTE THERE WAS ALSO UNANIMOUS. IT IS REQUESTED THAT THOSE MEMBERS NOT ATTENDING THE MEETING GO AHEAD AND SEND IN YOUR VOTE SO THAT A TRUE TOTAL CAN BE TALLIED. THE NEXT MONTHLY MEETING IN DAYTON WILL BE ON 5/11/88 BUT BECAUSE OF MEETING ROOM PROBLEMS THE NEXT CINCINNATI MONTHLY MEETING WILL BE ON 5/18/88. THE NEXT OFFICERS MEETING WILL BE ON 6/5/88 AT HQ-JO'S IN MIDDLETOWN. THE CIN-DAY USER GROUP IS STILL LISTED IN THE MICRO CENTER CATALOG AND IN COMPUTER SHOPPER

THANKS
LIMA!!!

MAGAZINE. IN COMPUTER SHOPPER THIS MONTH: "TI FORUM" HAD INFO ON UNAUTHORIZED USE OF ENTRE CODES TO 386's AND NUMBERS TO CALL TO CHANGE CODES; A WARNING ABOUT LITHIUM BATTERIES; A NEW TERMINAL EMULATOR PROGRAM BY CHARLES EARL CALLED "TELCO" AND A REVIEW OF THAT PROGRAM; A REVIEW OF "FLUSH" BY JACK SHUGRUE, BOX 459 E. DOUGLAS, MN 55115 (PACKAGE COST \$10.00); REVIEW OF TIMOTHY AND BARB BERG'S PROGRAM "PRINT WIZZARD" DOES GREETING CARDS, SIGNS, BANNERS AND A LETTERHEAD DESIGNER. (PACKAGE COST \$25.00) FROM TRID+ SOFTWARE, BOX 115, LIPSCOMB, IA 50148; A REVIEW OF BILL HARMS PROGRAM "CLASS" MAKES USE OF THE "SUPPER EXTENDED BASIC" MODULE DEVELOPED BY "MG" MAKES LETTERS, SPECIAL SHAPES FOR SIGNS, POSTERS AND DRAFTINGS. PROGRAM INCOPERATES "QUALITY 99 SOFTWARE" PROGRAM "DRAWN PLOT" (PACKAGE COST \$10.00) BILL HARM, 1527 HAYES ST., CHINO, CA 91710; THE AVATEY SMART MODEM MODEL 1200, STILL \$45.00 PLUS S & H FROM LYCO COMPUTER; FROM "MICROPENDIUM" "MICRO-TRANSFER" "SUPER SPACE 1" AND "TI COSTING" \$49.95 AND \$89.95 RESPECTFULLY AND AVAILABLE FROM "DATASTATISTICS INC." 10904 VIA RIVERA, P.O. BOX 1194, PALMS VERDE ESTATES, CA 90274, (213)-925-2120; "BEYOND VIDEO CHESS" FOR \$9.95 PLUS .75 S & H FROM "ASSARD SOFTWARE" P.O. BOX 10706 ROCKVILLE, MD 20850; A NEW DATA BASE PROGRAM CALLED "FIRSTBASE" DEVELOPED BY "OLYMPUS TECHNOLOGIES" AND AVAILABLE FROM "GENIAL COMPUTERWARE" (SECOND QUARTER 89) LARGE CAPACITY, REQUIRES 32K MEMORY AND DISK AND EITHER XB, E/A OR TI-WRITER (COST \$49.95), P.O. BOX 187, GRAFTON, MA 01512; A REVIEW "ARCHIVER II Vn. 2.4 GRADED A+; A REVIEW OF "CALENDAR MAKER" GRADED A- (COST \$19.95 PLUS .75 S & H FROM "ASSARD SOFTWARE" P.O. BOX 10706, ROCKVILLE, MD 20850; A REVIEW OF "MICROPENDIUM" AUTHOR MIKE DODD'S "PC-TRANSFER" ALLOWS TRANSFER OF TEXT FILE BETWEEN TI AND PC'S GRADED A (COST \$25.00) FROM "GENIAL COMPUTERWARE" 375 GREEN VALLEY DR., PHILADELPHIA, PA 19129; INFO ON A VIDEO PROCESSOR CARD FOR THE PE-BOX, TEXT AND HIGH RESOLUTION GRAPHICS IN RGB OUTPUT AND 80 COLUMN FORMAT FOR WORD PROCESSING AND SPREADSHEETS AND SUPPORTS MOUSE AND LIGHT PEN (COST \$220.00) FOR MORE INFO OR ORDER CONTACT "DIGIT SYSTEMS" 4345 HORTENSTIA ST., SAN DIEGO, CA 92103 OR (619)278-2701; "TEXTAMENTS" NEW PRODUCTS AVAILABLE "TI-ARTIST COMPANION'S 4, 5 AND 5 (RENAMED COMPANION NO. 7) AT \$9.95 PLUS \$2.50 S & H, "DESIGNER LABELS", "TI-ARTIST GRAPHICS SUPPORT" AND "USED GRAPHICS SUPPORT" (ALL BY PAUL COLEMAN OF NAMELOC SOFTWARE) COST \$9.95 PLUS \$2.50 S & H AND CS6D NO. 7 \$10.95 PLUS S & H. WRITE TEXTAMENTS 53 CENTER ST., PATCHOGUE, NY 11772 OR CALL (516)473-6463; READERS OF "MICROPENDIUM" CAN SAVE \$20.00 (MAKING THE COST \$29.95) WHEN JOINING "DELPHI" INCLUDES NEW BOOK "DELPHI: THE OFFICAL GUIDE" (A \$19.95 VALUE), A COMMAND CARD AND A ONE HOUR USE CREDIT. (THERE'S AN EVEN BETTER DEAL FOR GROUP MEMBERS. ASK YOUR PRESIDENT); LISTING FOR REGINA PROGRAM "SAN FRANCISCO TOURIST"; AN ARTICLE ON INPUTTING AND OUTPUTTING FILES IN C99 LANGUAGE; FROM "RYTE DATA" AN ARTICLE ONE HANS DECISION MAKING PROCESS ON WHETHER OR NOT TO GO TO THE 9640; PINOUTS TO HOOK-UP THE 9640 TO HIGH RESOLUTION MONITORS AND AN AD FOR THE PROTO TYPE CARD (NOT A HOLE LOT ELSE). THERE WAS A 15 MINUTE BREAK TAKEN FOR THE SELLING OF RAFFLE TICKETS. GIVEN AWAY THIS MONTH WERE: A KEY BOARD, 2-BIDDING BRIDGE I AND ONE "TEXCOMP" CATALOG. DEMONSTRATED WERE FAREWARE #21 "OH MUMMY!" A GAME TO COLLECT TREASURES, SCROLLS AND SARCOPHAGI WHILE TRYING TO AVOID BEING KILLED BY HIS "MUMMY!" AND FAREWARE #22 "J.P. HOODIE GAMES" SOME OF HIS EARLY WORK IN XB. THE MEETING ADJOURNED AT APPROXIMATELY 3 P.M.

TI BITS # Number 10

By Jim Swedlow

[This article originally appeared in the User Group of Orange County, California ROM]

ALPHABET SOUP

We are constantly bombarded with acronyms. This list is provided as a public service to help you sound like you know what you are talking about!

AI - "Artificial Intelligence" - trying to make computers think like people. A science in its infancy.

ALGOL - "ALGOrithmic Language" - a programming language.

ANSI - "American National Standards Institute"

APL - "A Programming Language" - an interactive programming language that is well suited for handling complex operations on arrays.

ASCII - "American Standard Code for Information Interchange" - and you thought that the II was version two! Pronounced "ask-key".

BASIC - "Beginners All purpose Symbolic Instruction Code" - some suggest that the acronym came after the name!

BBS - "Bulletin Board System"

BIOS - "Basic Input Output System" - the part of CP/M or MS-DOS that allows the CPU to communicate with the keyboard, screen, printer, etc.

C - a programming language developed at Bell Labs. Its predecessors were B (1970) and BCPL (1967).

CMOS - "Complementary Metal Oxide Semiconductor" - a type of IC noted for its low power consumption and resistance to damage. Often used in portable computers. IC's of this type usually have the letter C in their name.

CP/M - "Control Program for Micro-computers" - a family of operating systems that would have been the standard for business had IBM not used PC-DOS (see MS-DOS).

CPU - "Central Processing Unit" - the part of the computer where arithmetic and logical operations are performed and instructions are decoded and executed.

CRT - "Cathode Ray Tube" - the screen on your TV or monitor.

EOF - "End Of File"

IC - "Intergrated Circuit" - a chip with many miniature transistors and other devices.

ISO - "International Standards Organization"

LISP - "LISt Processor" - a programming language often used for AI applications.

MODEM - "MODulator-DEModulator" - a device that encodes and decodes data for transmission over telephone lines, coaxial cable, fiber optics, microwaves, etc.

MS-DOS - "MicroSoft Disk Operating System" - the operating system for computers that use the 8086 or 8088 microprocessor family. MS-DOS is sold by IBM as PC-DOS for the IBM PC.

PROM - "Programable Read Only Memory" - a chip that can be programmed once but not revised. EPROM [Erasable PROM] chips can be erased and reprogrammed.

TTL - "Transistor-Transistor Logic" - a high speed IC that is often used for input-output devices (a TTL monitor, etc).

WYSIWYG - "What You See Is What You Get" - brought to its current potential by the Mac, this means that your item appears on your CRT exactly as it will look when it is printed.

COMPILED, ASSEMBLED AND INTERPRETED Or, Why BASIC is slower than Assembly

A computer language is what you use to tell your computer what to do. It is a common vocabulary. If you have done any programming, you know that your computer believes this language literally.

Your computer don't speak BASIC or Assembly Language. It speaks Machine Language (which is code that the CPU can execute directly).

When a BASIC program is running (also called during 'run time') something called a BASIC interpreter acts as a middle man between the program and the CPU. As each line executes, the interpreter reads the instructions and translates them to Machine Language. This takes time.

In Assembly Language, you write a source program using the Editor and then use the Assembler to assemble it into Machine Language. That's why the module is called Editor/Assembler. When you run an assembled program, execution is much faster as there is no need for an interpreter.

A compiled program is a hybrid of these two. You write your source program in a higher format. The 'higher' a language is the closer it is to English. The 'lower' it is, the closer it is to Machine Language. BASIC is a high high level language while Assembly is low level.

The language called C looks somewhat like BASIC but compiles into Machine Language.

Now you know.

Enjoy.

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or
617-576-2981

Press RETURN twice
At PASSWORD, type TINET and RETURN

\$29.95 includes, manual, membership and
one free hour.

TI NET JEFF GUIDE

P. O. Box 244
Lorton, VA 22079
703-339-7097
Delphi: TeleData

Disk Only Software JEFF GUIDE

Software Division
P. O. Box 244
Lorton, VA 22079
703-339-7097
800-466-9272

Delphi: DOS
CompuServe: 74406, 1207

XBASIC TRICK
by Mark Shafer
BlueGrass 99 Computer Society
Reprinted from 99'er News
September 1987

I have just discovered a use for the edge character; hold on to your hats cause it's a worthwhile one. type in the following code:

```
100 CALL CLEAR :: CALL SCREE
N(7):: FOR X=1 TO 8 :: CALL
COLOR(X,2,16):: NEXT X :: CA
LL VCHAR(1,31,31,96):: CALL
HCHAR(7,30,31)!226
110 CALL HCHAR(8,2,32):: ACC
EPT AT(7,1)SIZE(-29):A# :: D
ISPLAY AT(15,1):A# !222
120 CALL KEY(0,K,S):: IF S=0
THEN 120 !188
```

When you run the program, just type anything. Watch what happens when the cursor reaches the edge character I put in column 30. You are no longer limited to one line as usual with the ACCEPT AT. The screen may look funny, but you don't need to use a colored edge character to do this trick. What is happening is when the computer executes an ACCEPT AT, it remembers what screen address (row/column) to end the input. By putting the edge character there, the cursor will skip the next four characters, thinking it's reached an end of line. The cursor will never reach the ending screen address.

Word of caution with this trick - INSERT will cause characters to be dropped off the end of the string; DELETE doesn't work right on the first line; ERASE works fine though. Also, string variables are limited to 255 characters; enter more than that and you'll lose characters.

THE PRINTING WORKS

5449 MARINA DRIVE - WEST CARROLLTON, OHIO 45449 - 513/866-4241

GETTING THE MOST FROM YOUR CASSETTE SYSTEM: by MICKEY SCHMITT

NUMBER 1: GETTING STARTED

Before you try to do anything with a cassette system you need to start with the right equipment. There are many different models of standard cassette recorders available which will work with your TI computer. (Besides the official TI program recorder). However, for best operation and alot less mental aggravation, you should use a cassette recorder with the following features:

1. VOLUME CONTROL: For best results this should be set between mid-range and maximum settings.
2. TONE CONTROL: For best results this should also be set between mid-range and maximum settings.
3. MICROPHONE JACK: This jack is needed in order to receive information from your computer.
4. EARPHONE OR EXTERNAL SPEAKER JACK: This jack is needed in order to send information to your computer.
5. REMOTE JACK: This jack makes it possible for your computer to control your cassette recorder's drive motor - thus your tape recorder will run by pressing the "ENTER" key on your computer console.
6. DIGITAL TAPE COUNTER: This is a very important feature as it will save you alot of unnecessary aggravation. This feature enables you to easily locate the correct tape position of your program or data file. This is especially useful when you want to store more than one program on the same side of the cassette tape.

Next, you will need to have the TI cassette interface cable which is used to connect your recorder to your computer. Although this cable comes with the official TI program recorder, it must be purchased separately if you are using another type of cassette recorder.

The following instructions will guide you through the process of connecting your cassette recorder to your computer using the TI cassette interface cable:

1. Locate the nine-pin plug at one end of the cassette recorder interface cable. Insert this plug into the jack on the right rear of the computer.
2. Locate the set of three plugs at the other end of the cable. The wires that lead to these plugs are color-coded: Red - White - Black.
3. Locate the jacks labeled: MIC - EAR (or External Speaker) and REM on your cassette recorder.
4. Insert the plug with the Red wire into the recorder's Microphone Jack (labeled MIC).
5. Insert the plug with the White wire into the recorder's Earphone (or External Speaker) Jack (labeled EAR).
6. Insert the plug with the Black wire into the recorder's Remote Jack labeled REM).

That's all there is to it! Your cassette system is now ready to go.

Next month's topic will be Loading and Saving programs.

TI-99/4A COMPLETE SYSTEM FOR SALE \$600.00 OR BEST OFFER



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TWO BLACK AND SILVER CONSOLES
PERIPHERAL EXPANSION BOX
32 K TI MEMORY EXPANSION CARD
TI DISK CONTROLLER CARD
TI RS-232 CARD
TWO TEAC 55A SSDD DISK DRIVES
ONE SHUGART 400-L SSDD DRIVE
ONE DRIVE CABINET W/PWR SUPPLY
192K HORIZON RAM DISK (KIT)
TI SPEECH SYNTHESIZER
ANCHOR MARK III 300 BAUD MODEM
NEC JC-1215MA 12" COLOR MONITOR
STAR GEMINI 10X PRINTER
GE COMPUTER CASSETTE RECORDER
CORCOMP LOAD INTERRUPT SWITCH
NAVARRONE 3-SLOT WIDGET
TWO PROFESSIONAL JOY STICKS

SPARE PARTS

2 SWITCHING POWER SUPPLIES
2 TI STANDARD KEYBOARDS
1 GEMINI 10X DOT MATRIX HEAD

MODULE SOFTWARE

TI EXTENDED BASIC
TI EDITOR/ASSEMBLER
TI WRITER
TI TERMINAL EMULATOR (2)
NAVARONE DISK FIXER
TI TOUCH TYPING TUTOR
TI MUSIC MAKER
TI PERSONAL RECORD KEEPING
TI HOUSEHOLD BUDGET MGMT
TI HOME FINANCIAL DECISIONS

MODULE SOFTWARE (CONTINUED)

TI GAMES INCLUDING ADVENTURE,
MUNCHMAN, CAR WARS, HANGMAN,
PARSEC, INVADERS, & ALPINER

DISK SOFTWARE

TI PROGRAMMING AIDS II AND III
TI PERSONAL FINANCIAL AIDS
MG ADVANCED DIAGNOSTICS
MG DISK-ASSEMBLER
MG EXPLORER
COPY CAT DISK COPIER UTILITY
X-BASIC DISASSEMBLER
TI FORTH
C COMPILER
GRAPHX
100+ DISKETTES OF SHAREWARE

BOOKS

SOFTWARE DEVELOPMENT (TI)
GPL USER'S GUIDE (TI)
CONSOLE & PEB TECH MANUAL (TI)
TERM EMULATOR PROTOCOL (TI)
PROGS FOR TI-99 (STEVE DAVIS)
INTRO TO ASSEMBLY LANG. (DAVIS)
LEARNING ASSEMBLY LANG. (P HALL)
FUND. OF ASSEMBLY LANG. (TAB)
BEG. ASSEMBLY LANG. (D & D PUB.)
BEST OF 99'ER HCM (HCM PUB.)
PROG THE TI-99 (TAB)
FREE SOFTWARE FOR THE TII
16 ISSUES HOME COMPUTER MAG
12 ISSUES MG SMART PROGRAMMER
4 DIFFERENT COMPUTE'S GUIDES TO
THE TI-99/4A & MORE

TI ARTIST



Software Support



ARTIST'S COMPANION #1

The Artist's Companion that started it all Artist's Companion #1 is a huge five disk set that adds a complete collection of graphic designs to be used in conjunction with TI Artist. It consists of 25 fonts, 160 small pictures (instances), and 30 large instances. Each font and picture can be altered and interfaced with any picture or design of your choice using the TI Artist. Requires: TI Artist or another compatible graphics package. Only \$17.95

ARTIST'S COMPANION #4

Keep on expanding your TI Artist graphic library with Artist's Companion #4! This two disk package contains 15 new outrageous fonts and 15 small original pictures (instances). Some of the fonts included with Artist's Companion #4 are Artdeco, Cameo, and Starlet. Requires: TI Artist (V2.0 or greater) or another compatible graphics package. Only \$9.95

TI ARTIST

The #1 selling and supported graphics drawing package for the TI-99/4a! This easy-to-use program will have you drawing and creating images before you've even finished reading the instructions... the picture oriented menu system is easy to use and informative. The drawing capabilities are almost endless, and you can even incorporate pictures, instances, and fonts from various supplemental graphics packages (including our famous Artist's Companion series) into your own drawings! TI Artist supports Epson, Prowriter, Okidata 92/93, and Axiom GP-550A compatible printers. Requires: 32K, disk system, and either XB, E/A, MM, or TI Writer module. Only \$19.95

ARTIST'S COMPANION #2

Artist's Companion #2 is the second in a series of supplemental graphics packages for the TI Artist drawing system. The two disk set includes of 13 fonts and 60 small pictures (instances). Also included is Artist's Connection, a program generator that allows TI Artist pictures and clip art to be used in BASIC and Extended BASIC programs. Requires: TI Artist or another compatible graphics package. Only \$9.95

ARTIST'S COMPANION #5

This two disk set includes a complete array of new and original fonts and clipart for TI Artist. Several of the fonts are exceptional... Barcode, Ballon, and an all new 3D font. Two small fonts are included which are excellent for those "small jobs". Artist's Companion #5 contains a total of 16 fonts and 12 instances. Requires: TI Artist or another compatible graphics package. Only \$9.95

DESIGNER LABELS

Did you ever wish you could print graphic labels using your TI Artist instances? Now you can! Designer Labels will allow you to print any instance you design with TI Artist, as many times as you want, in a number of standard mailing label sizes. It will even print on 3x5 and 4x6 index cards! Also included with Designer Labels are two complete sets of monogram instances. Requires: 32K, disk system, and either XB or E/A module. TI Artist is recommended. Only \$9.95

ARTIST'S COMPANION #7

Let your TI Artist grow by adding Artist's Companion #7 to your graphics collection! This two disk package includes 10 fonts, 13 large instances, and 46 small instances. Scroll, an extraordinary font comprised of a font and graphics, is also included. Requires: TI Artist or another compatible graphics package. Only \$9.95

ARTIST'S COMPANION #3

In the continuing series of supplemental graphic packages for the TI Artist drawing system, Artist's Companion #3 keeps the spirit alive! This complete two disk set includes 16 fonts and 66 small pictures (instances). Several of the fonts are extraordinary... they are made up of an outrageous type and detailed graphics! Requires: TI Artist or another compatible graphics package. Only \$9.95

ARTIST'S COMPANION #6

Another two disk set for TI Artist packed with new and exciting fonts and clipart. A total of 13 fonts and 24 instances are included. The fonts included with Artist's Companion #6 go beyond the imagination... Cabaret, Gatsby, Orient, Music, and Stacked are remarkable. Four of the fonts are small and complete. Requires: TI Artist or another compatible graphics package. Only \$9.95

DISPLAY MASTER

Display Master opens a new dimension of utility for TI Artist: the ability to perform 100% user defined screen presentations. Any picture drawn using TI Artist may be used in a wide range applications with the help of Display Master. Using a special command language you can create show demonstrations, teaching aides, store displays, video clips, and much more! What you display and how you display it are entirely up to you. Requires: 32K, disk system, and either XB, E/A, or MM. TI Artist and TI Writer (or equivalent) are recommended. Only \$14.95

GRAPHICS



TEXAMENTS

53 Center Street, Patchogue, New York 11772
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FONTS

Please add the following shipping charges to your order: \$2.50 for domestic first class delivery, \$8.00 for foreign air mail (insured) delivery. Orders are usually shipped within a 48 hour period. All C.O.D. orders must be placed by phone. No credit card orders will be accepted. Prices, specifications, and availability are subject to change without notice. Dealer and User Group inquiries are invited. Contact our office for more details and special offers.



Wordcount Program
by Jim Peterson
(from PUG Peripheral - May 1988)

Some time ago, MICROpendium had a rather slow routine to count the number of words in a DV/80 file. The following program is much faster. It ignores any lines beginning with a period (TI-Writer formatter commands), otherwise counts each cluster of characters followed by a space, plus the last cluster on the line.

```

100 !WORDCOUNT PROGRAM BY JI
M PETERSON !203
110 DISPLAY AT(12,1)ERASE AL
L:"INPUT FILENAME?":TAB(15);
"DSK" :: ACCEPT AT(13,18):F$
:: OPEN #1:"DSK"&F$,INPUT !
179
120 A=1 :: LINPUT #1:M$ :: I
F ASC(M$)=46 THEN 140 !249
130 X=POS(M$," ",A):: IF X=0
THEN 140 :: IF X=A THEN A=X
+1 :: GOTO 130 ELSE F=1 :: C
=C+1 :: A=X+1 :: GOTO 130 !2
07
140 C=C+F :: F=0 :: IF EOF(1
)<>1 THEN 120 :: CLOSE #1 ::
DISPLAY AT(12,1)ERASE ALL:"
APPROXIMATELY "&STR$(C)&" WO
RDS." !249

```

Thanks to the outstanding effort of the Lima Area 99/4A Computer User Group, the Multi User Group Conference held in Lima was a huge success. There was something of interest for everyone - from a demo on interfacing your video recorder and TI to the new abilities of John Birdwell's Disk Utilities Version 4.1. There was a large turnout and a good deal of buying, selling and trading of all kinds! Thanks again, Lima, and we're looking forward to next year's! (Photos courtesy of CIN-DAY member Herb Kline.)

TI 99/4-A SYSTEM FOR SALE

HARDWARE

CONSOLES (3)
ONE NEEDS REPAIR

EXPANSION BOX
RS 232 INTERFACE CARD
CORCOMP 9900 DISK CONTROLLER CARD
T-I INTERFACE CARD
FOUNDATION COMPUTING 128K CARD
2 DSDD 1/2 HEIGHT DISK DRIVES

TAXAN RGB 210 12" COLOR MONITOR
SPEECH SYNTHIZER
300 BAUD MURAPHONE MODEM
WICO COMMAND CONTROL TRACKBALL*
ODDS AND ENDS (EXTRA KEYBOARD, POWER SUPPLIES, CABLES ETC.)

SOFTWARE

TI-WRITER (2) ONE UNOPENED
MICROSOFT MULTIPLAN
TI LOGO
EDITOR ASSEMBLER

15 CARTRIDGES (EX. BASIC, PERSONAL RECORD KEEPING, MINI-MEMORY, HOME FINANCIAL DECISIONS, TERMINAL EMULATOR II, DISK MANAGER II, ETC.)

6 SAMS CASSETTE PACKAGES

COMPLETE GRAPHEX PACKAGE
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MUCH DISK SOFTWARE (P.R. BASE, FAST TERM, GEMINI TICKLER, 99'ER ON DISK, ETC. ALL WITH DOCUMENTATION)

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(Reprinted from Nutmeg TI 99ers Nwesletter)

THE NEW FEATURES OF FUNNELWEB v4.0

by Charles Good
Lima Ohio User Group.

MULTIPLE USER LISTS:

The central menu user list now has an option that reads "Next UL". This loads another user list file named UN which in turn can be configured to another user list file UN, etc. You can load from menu unlimited numbers of assembly language user programs in this way. Each of these user lists is a copy of file UL that is configured separately with CONFIG. After all UL files are independently configured, they are renamed UL, UN, UN, etc. You can form a continuous loop by making the last user list load the file UL again.

TAB RULER SHOWS IN EDITOR:

The EOF line that originally showed in the editor immediately below the last line of text has been modified into a 40 column ruler similar to the tab ruler that shows at the top of the screen when you set tabs. The modified EOF line is very useful for centering text in an editor screen and for the manual indentation of paragraphs and columns. The EOF line is numbered 0, 1(0), 2(0), 3(0), etc. with the other positions for columns 0-79 indicated by dots. The EOF line shifts with left/right windowing and with line numbers on/off, and is only visible at the end of the text buffer.

NEW DISK DIRECTORY FEATURES:

Screen displays have been improved for disk directories called with AID (formatter, assembler, or a central menu) and SD (from the editor). A prompt line at the bottom of each directory tells you which keys to press for each feature. Pressing EQUAL after a directory is loaded shows if PROGRAM files are EA or BX (either basic) programs. This feature isn't new to v4.0 but it is worth mentioning here because it is so neat. If a PROGRAM file is not indicated as EA or BX after pressing EQUAL, the program file is a data file for the ADVENTURE, PRK, or similar module. A number (1-0) which has been added to the left of each displayed file name tells you which number key to press in order to mark a file. The marked file is put in the mail box memory and appears on the screen when you LF from the editor or when you boot the formatter or assembler.

The directory obtained from the editor with SD has some VERY USEFUL new features not found in the AID directly. Press "P" to print the directory to the editor print device, usually a printer. To delete the marked file from the disk press "D". An especially nice feature is the ability to view a marked file by pressing "V" without disturbing what you are editing in the editor's text buffer. After viewing the disk file you can then go back and continue editing the text buffer, since it is not necessary to save off what is in the buffer before pressing "V". If you press "O" (meaning 'old file', not 'load file' as might be suggested by the screen prompt) the current marked file becomes unmarked and the OLD previously marked file name replaces the just unmarked file as the mail box file name. It is a good idea to press "O" after viewing a file with "V" if text is in the editor's buffer. This will prevent you from accidentally overwriting the viewed file when you later save the text buffer contents with SF.

The last update of FUNNELWEB v3.4 was dated May 14 1987. Subsequent improvements have all been incorporated into v4.0, and this new version has now been released as fairware. This is a major update designed to be compatible with Myarc's Extended Basic II as well as TI Extended Basic. This review describes the v4.0 release dated Oct. 20, 87. No doubt improved versions with more recent release dates will soon appear. However all v4.0 releases will have the same basic organization, so this review should remain valid for future v4.0 releases.

THE CONFIG PROGRAM:

The most obvious improvement in v4.0 is CONFIG which can be accessed from the first XB User List menu or from the central User List menu. CONFIG allows the user to customize FUNNELWEB in numerous ways without any programming. All you do is follow the screen prompts. Any idiot can do it, but in case you aren't just any idiot check out the CONFIG flow chart accompanying this article.

Although the v4.0 LOAD program remains a hybrid of XB and assembly code, the FwB authors advise against trying to directly edit the XB part of LOAD. One reason is that if you are using MYARC XBII the XB portion of LOAD cannot be resaved properly. Also, there is no longer a UPATCH file to transfer LOAD customization to UTIL1. All configuration of LOAD, UL, and UTIL1 should now be done with CONFIG. If a later release of v4.0 is obtained the newer release should be configured from scratch with CONFIG. It is no longer recommended that you customize newer releases by merging the old LOAD XB code onto the newer LOAD. If you attempt to customize future v4.0 updates this way there is no easy method to transferring the customizations to UTIL1.

CONFIG allows the user to set up FUNNELWEB on a primary AND secondary drive (or ramdisk). Configured this way, FUNNELWEB suspends boot disk tracking and expects the TI-Wr central menu files to be in one drive, and the Ed-As central menu files to be in another drive. If you run out of space on one disk for the FwB files and all of the your assembly user files which FwB expects to be on the boot disk, then this is a useful option.

CENTRAL MENU USER OPTIONS:

Menu item 96 in each of the two central menus now is a UTILITY option whose menu name and two character file name can be customized with CONFIG. Any PROGRAM image EAMS software can be loaded directly from the central menus with a single keypress via these options without first having to first select the central menu User List. The FwB authors suggest that the TI-Wr central menu utility would be a good place to load a spell checker.

OTHER MINOR CHANGES:

Disk Patch (file DP) has again been modified. The instructions are displayed on the first DP screen for easy reference. With the contents of a sector in view, pressing PROCEED brings up the previous sector, and BREAK displays the next sector. Always before in earlier versions of FwB and in the original DISKO, PROCEED displayed the next sector as would seem logical. I find PROCEED incrementing sectors in reverse to be confusing.

Color combinations can now be cycled through by pressing ZERO from almost any FwB menu that requests a number key press. In earlier FwB versions the color cycle key varied from menu to menu.

DM1000 files MG and MH have been modified so they will load successfully from outside of the FUNNELWEB environment. These FwB v4.0 MG and MH files can now be loaded and used correctly from XBASIC command mode if you have the Horizon Randisk epron (reviewed last month in BB&P) and type CALL DM.

In my humble opinion (I'm modest too, just ask me some time and I'll tell you how modest I am!) FUNNELWEB is the most significant single piece of software ever for the 99/4A. These improvements make FUNNELWEB even better. If you upgrade to v4.0 you might consider giving an additional fairware donation to the Funnelweb authors, even if you have paid for a previous version.

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TI Writer Tips

by Dennis Sherfy

(from The HUGGERS Newsletter Nov 1987)

All of you have heard of indenting. TI WRITER even includes a formatting command to make indenting easy. A companion procedure is OUTDENTING. Outdenting is a way of emphasizing paragraphs. It is the opposite of indenting. The first line of each paragraph starts at the left margin, while each subsequent line of the paragraph is indented.

If you are writing a paper using the following formatting commands -

".LM 7;IN 12;RM 71",

You would have a rather normal looking paper. If you want to set off a number of paragraphs, switch to outdenting. Reverse your left margin and indent settings. Use -

".LM 12;IN 7;RM 71".

This will cause the first line of every paragraph to start at column 7. Subsequent lines will start at column 12.

Try this technique and you will see that you have a very powerful formatting tool.

Outdenting is useful when you are listing a variety of subjects, along with some textual information about each subject. It will make each subject stand out.

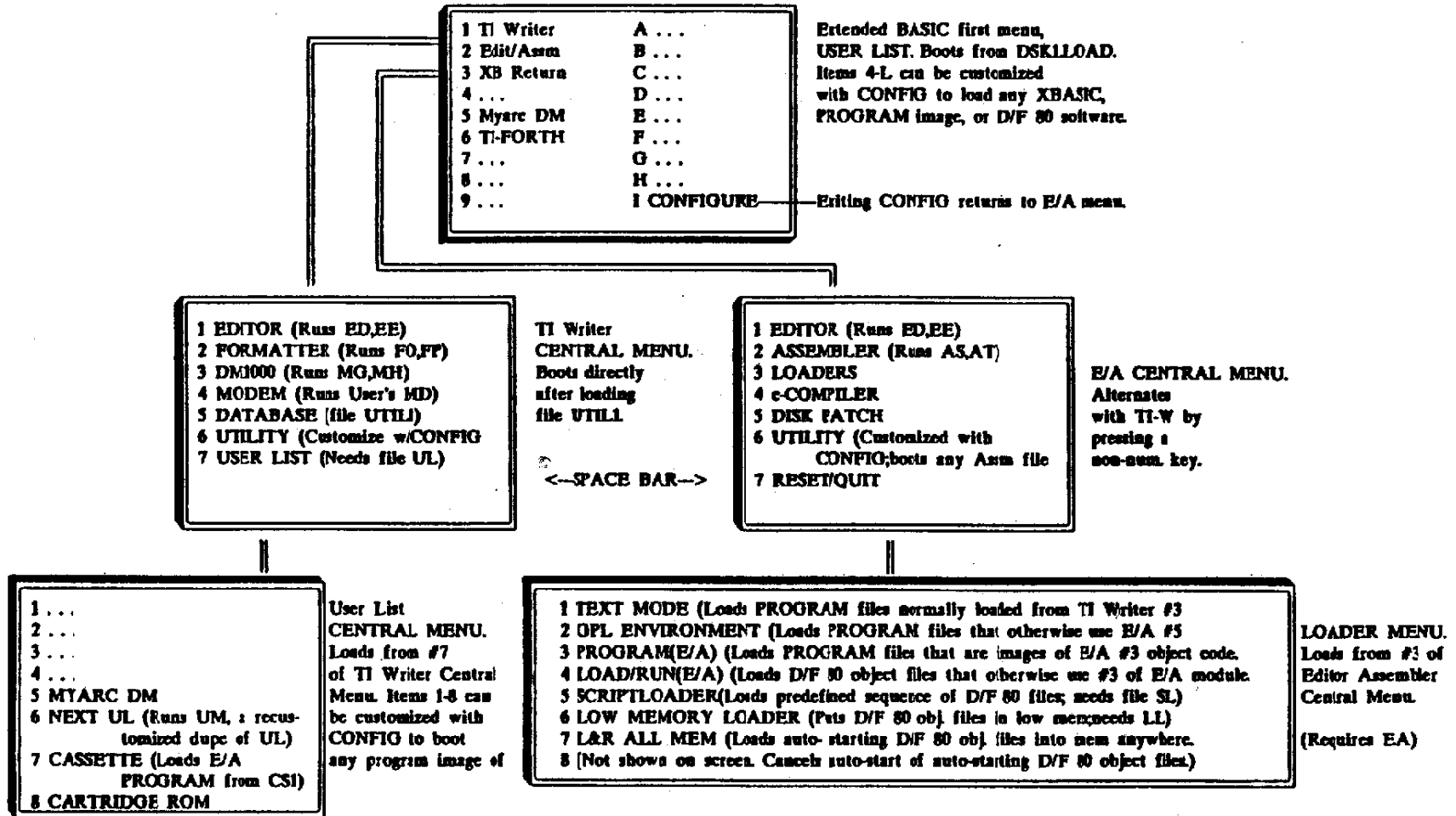
You might try outdenting along with bold type for your subject. The commands to switch your printer to BOLD may cause your printer to indent an extra space. If this occurs, change your IN to 6, to allow for the formatting command in your document.

OUTDENTING is a powerful formatting tool. Try it, you'll like it.

Note: This is a sample of outdenting as Dennis Sherfy described and is provided by the CIN-DAY editor. This should make your documents more interesting and easier to read.

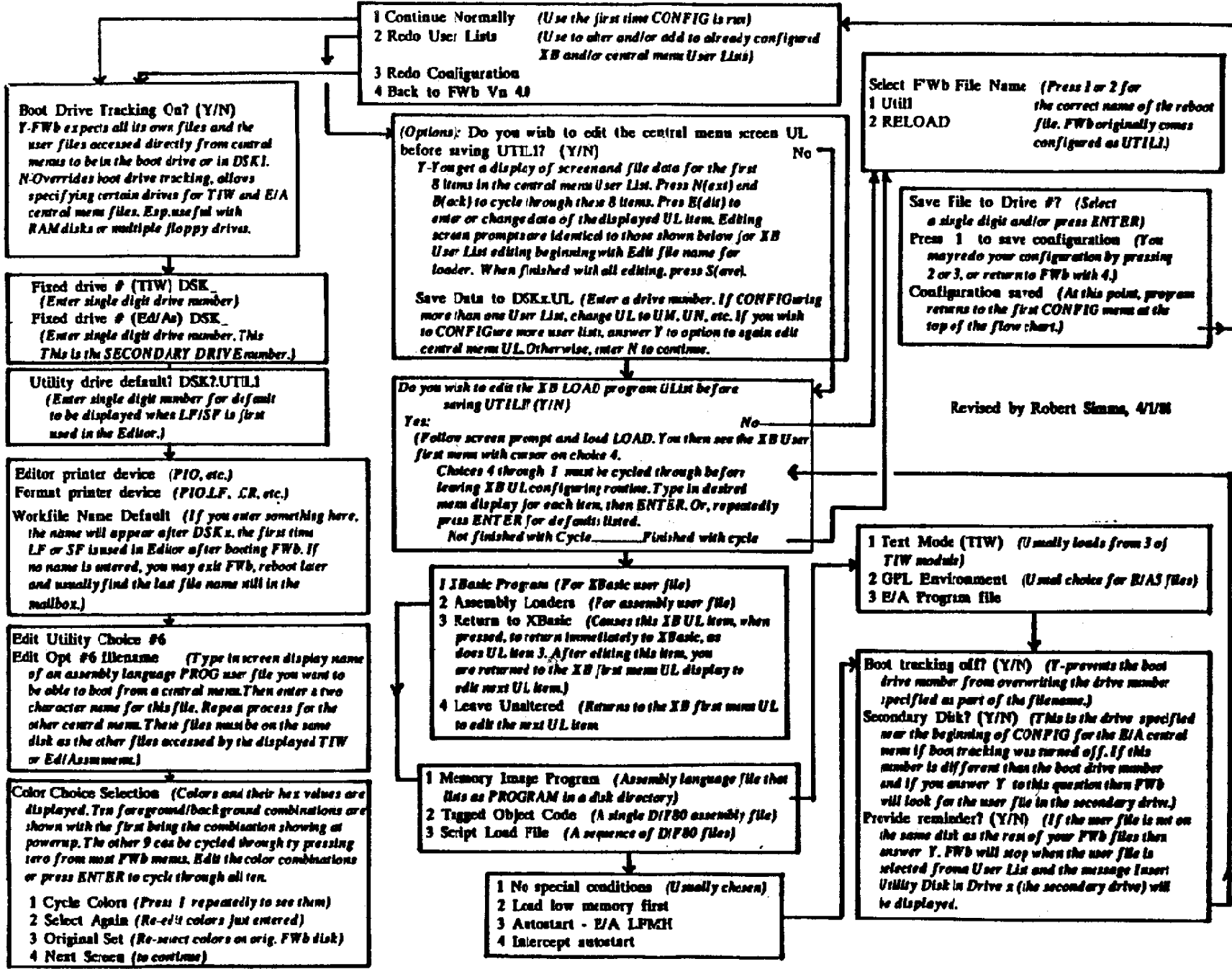
FUNNELWEB 4.0 MENU FLOW CHART

FCTN-7 (AID) from any of these menus gives a disk directory.



Reformatted by Robert Sinms from versions printed in the Lima, Ohio Users Group newsletter.

FUNNELWEB 4.0 CONFIGURE PROGRAM FLOW CHART



When Is It Time To Upgrade
by Ron Albright
from Topics - LA 99ers

There is a great deal of debate these days about the upgrade path users of the 99/4A computer should take. That is, of course, assuming these users have reached a point in their computer needs that upgrading is necessary. I think that is the key point in the whole issue. Have you come to that juncture? If TI-Writer is all you need for your word processing, and Multiplan, PRbase (or Total Filer), and Fast Term fill your spreadsheet, database, and communication requirements, why upgrade? For those whose computer uses are related to home budget, education, or learning programming, or short correspondences with friends, the 99/4A can, quite probably, still fill all those functions admirably. For all but those with unlimited resources (i.e. "money to burn"), the argument to change computers for the sake of using the "fastest and latest" is fallacious. A home user does not need an 80286 IBM-AT or clone running at 16MHz. Period. Their need for Lotus 1-2-3 or all the features of Crosstalk XVI is equally questionable. Change for the sake of change is a luxury few of us can indulge in.

But there are times when one does need to upgrade to new technology. For someone who is using the latest spreadsheets or relational databases at work and needs to be able to carry some of that work home, then it may be time to think about buying a new computer. If one undertakes starting a home business and needs software to manage the books, or a complicated mailing list, or extensive graphics needs, there may be software available that might do these jobs better than what is available for the TI-99/4. For writers who plan the "Great American Novel", a word processor that can handle several hundred pages, or a thesaurus, or a 100,000 word spelling checker, or an outline program, or indexing software may be essential. The point of all this is a simple one. Before you buy anything, assess your needs. Make a list of what software requirements you need. Then, look around for software to fill those needs. Only at that point should you consider the hardware - a new computer. Find the best software available to fill your requirements, then pick the computer that will run it. Not the other way around.

Let me make one other point here. Look very closely at what is available for the TI before you decide it no longer fills the need. Get a catalog from Triton, Tenex, or Tex-Comp. Read MICROpendium (P. O. Box 1343, Round Rock, Tx 78680) or Smart Programmer (Bytemaster Computer Services, 171 Mustang St. Sulpher, LA 70663-6724) and, of course, BBS's, information services such as GENie or CompuServe, or magazines such as Computer Shopper for advertisements and reviews. Check in with a local user group and find out what they know about software availability. Write JZ or me (and include a self-addressed, stamped envelope) stating your requirements and we will tell you if we know of similar software for the TI. If, after checking all these sources, you are absolutely sure the software is not available for the 99/4A and equally sure that you absolutely need the capability, then (and only then) are you ready to upgrade. The process of making the decision is time-consuming and a lot of work. But that is how it should be.

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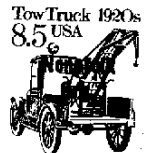
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Coin Room, 5th floor Lazarus.
NEXT MONTH'S DAYTON MEETING: September 10th, 1988 at 12:00 Noon
Coin Room, 5th floor Lazarus.

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75229

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"When one door is shut, another opens" - Cervantes