

TREASURERS REPORT:

Treas. report was made to the members, I stated what the Treas. has current in monies and is now in rec'd of the cash box, in which a current inventory was made, and a report was forward to the President Barnes.

Greg Larson brought to the meeting our clubs cash box and the Treasurer reported the current inventory on hand to the President, and members.

The treas. rec'd monies from the following members who paid their 1994 dues today. Those members where the following:

- 1-Geo Lett Sr.
- 2-Mirwood Starkey
- 3-Warren Barnes
- 4-Gary McQuade

The treas. thanks the members for paying!.

The Treas. gave the President the current balance of our checking account and money that the club needs. A good showing at the LIMA, Ohio Conference is needed to help the club grow stronger!

The treas. received from Greg Larson, our yearly statment on dues, for our clubs post office mail box rental. This is due by no later then April 30, 1993. A motion was asked by the Treas to pay the yearly dues of \$49.00. Motion was made and second, motion passed and this will be paid this coming week. by the Treas.

The treas. hopes the paying of the clubs yearly dues, are as good as last year, hoping to see the rest of the dues being paid during the months of May and June 1993. Make check for \$18.00, payable to:

HOOSIER USER GROUP
FRED EDSTROM JR. SECT-TREAS
1320 NORTH BONAR AVENUE
Indianapolis, IN 46229

OLD BUSINESS:

A general discussion of the copy machine was brought up however President Barnes asked to table this 'till May or June meeting

Pres barnes was asked if he knew anything about our loaning 40 Tech

THE APRIL MINUTES OF THE HOOSIER USERS GROUP. 4/18/93

Meeting was open by President Warren Barnes, with (11) members present. President Barnes thanked the members for showing today, and hope to see this, many each meeting!

Pres. Barnes stated that his work will be taking him out of town for a short period of time, but hope to return on the weekends and be at our monthly meetings.

President barnes also discussed some ideas on how to change the way the monthly meetings are held, but now would have to wait 'till his return. More details at a later time.

President Barnes stated that since we didn't get to hold our swap meet in Feb or March that we will hold it in June or July, when he gets back from his work detail, more to come later.

SECRETARY REPORT:

Secretary Edstrom, ask for a motion from the members present, to accept the last monthes minutes that was printed in our clubs newsletter, motion to accept was made, and passed on floor vote. Secty. Edstrom stated that he had called the Conference in Lima, Ohio to reserve 3 tables and 6 chairs for our club to use. This was done.

The Secty. was given the telephone bill from Bill Lucid, for our clubs BBS line for the month of April. It was noted that the bill contained two months bills, however, this was for the month of MARCH and was paid already, but didn't show up on this months bill, so the Treas paid on April 9th, as sum of \$24.69

This brings us up to current times, however we need to watch our current spending, because of low funds.

Next up for discussion was Funnelweb Vir. 4.4. We found out that we don't have enough to take with us. We discussed how many copies we would take with us. A figure of 15 copies was made.

Gary stated that he would do all the work, making up the necessary manuals. and have copies of 15 sets of disks of ver 4.4. The club wishes to thank Gary for his help in this matter.

Drive books for a price. General discussion was held on this mater. It was told to Barnes that we the club have not heard any word about the money, to date. Pres. Barnes will look into this matter, and try to call Jerry Coffey, and report to membership.

A current inventory of clubs properety that Bob has, has been done, and Greg Larson also brought over to the club what he had left over from other meetngs, so an inventory was made by Gary McQuade and Linda Senler, who counted the inventory and listed all the boxes of goods, and also was trying between Gary and Lindra, to come up with a sale price for all the various items that the club ownes. The club is going to take the various itcms to Lima and try to sell all the old pieces, so we can invest in a later time in more items to sale.

The club wishes to thank Gary and Linda for there help with this project.

NEW BUSINESS:

It was brought on the floor what the club wants take to Lima. A general discussion was held on the number of manuals and disks on the Telco 2.3 Ver.

Question: do we have enough disks sets to take. Gary stated that we have enough for Lima.

Pres Barnes stated that he hopes to see a lot of our members at Lima May 14th and 15th.

MASTER SYSOPS REPORT:

Gary McQuade, Bill Lucid and Delbert Wright spent many hours this past week, installing new equipment, much of which was donated by Delbert. Details may be seen in the article by Bill Lucid.

Submitted by;
Fred Edstrom Jr. Secty-Treas

NEW S+T BBS
Hoosier Users Group
Baud rate: 300/1200/2400
On Line 24 Hours Daily
317-782-9942 8N1

Now with a Hard Drive
60 MEG ON LINE

CALL CAT

By: Jeff Overton

Well, I finally figured out how to use the Indianapolis library's CALL CAT with the TI. First you will set your terminal up this way:

When the menu comes up, press (S) for setup.

Then when the next menu is up just press <ENTER>

Press (A) for Emulation mode. Type either ANSI, VT100NET or VT100VAX and <ENTER>

Press (B) for Terminal width type 80 and <ENTER>

Press (Q) for Baud rate. Type either 1200 or 2400 then <ENTER>

All other settings will be default. Press (FCTN) 9 until you get back to the Main menu.

Press (A) for Auto Dialer.

When the dialer menu comes up. Press (M) and your first open number and <ENTER> Press (A) type CALL-A-CAT and <ENTER>. Press (B) type 2695212 and <ENTER> (if you have call waiting type 1170 before the number). Press (C) type Term/mod (ANSI or VT100NET or VT100VAX) and <ENTER>. Press (D) type Baud rate (1200 or 2400) and <ENTER>. Press (E) type 8n1 and <ENTER>. Press (F) type (F) for full and <ENTER>. Press (G) type 80 and <ENTER>.

Now press (FCTN) 9 and the number for call-a-cat.

When answered you will see (CONNECTED and 1200 or 2400).

THIS IS IMPORTANT!!!!

Before you do anything else press (FCTN) J. If you do not you can't read anything. Now press <ENTER>. If you forget you can type (FCTN) J anytime and press the letter O to start over. The first screen will be a SUBJECT SEARCH. Type in your subject and press <ENTER> This will bring up a list of that subject. If yours is not listed press the letter F or B. When you see your's press the number next to it and then the letter R (do not press <ENTER>). This will bring up the heading. Press <ENTER> and a new list will come up. Now press the number you want and the letter C (do not press <ENTER>). Use (FCTN) 5 to move right and (FCTN) 3 to move left. I hope this will help.

PC99 a Synopsis.

By Dan H. Eicher, 04.05.93

Over the last two months I have been Beta testing stage 1 of PC99. Lets review, PC99 is a software only products that runs on an IBM PC with at least a 386 processor. PC99 emulates the complete 99/4A environment in software, at the chip level. What does that mean? Well, you could make an emulator that only acted like the TI at the system software level, meaning to access a peripheral you would do something like this in your assembler software:

```
BLWP DSRLNK  
DATA 8
```

But, if your software was to do something similar to the following code it would not work, since the emulation software would have no way of knowing the following code was writing directly to a certain chip (Memory Mapped I/O).

ie. (This code will directly write out bytes to the PIO port)
(after the correct setup code.)

```
MOVB *R1+,>5000
```

To make this work out properly you would have to rewrite the DSR service routines of the cards you wished to emulate. Cadd Electronics (the people that brought you the Gramulator) took it one step further. They emulated the 99/4(a) at the CHIP level, meaning any software that writes to individual chips (instead of making system calls) will still run. You will remember that when the Geneve first came out that this was a topic. One of the programs that wouldn't run on a Geneve was Fasterm by J. Paul Charlton. The reason was Fasterm reads the status of the keyboard by directly interrogating bits from the 9901 PSI(Programmable System Interface) and on the Geneve the keyboard is not directly connected to the 9901 as it is on TI-99/4(A). It is ironic that the PC99 emulator running on a PC is, in some ways, more hardware compatible with a TI-99/4(A) then the Myarc Geneve!

Let me give a brief recap of the various stages that PC99 will be released in:

Stage 0.

Basic emulation, machine will execute all 9900 instructions. Including all 9918A compatible commands (except sprites). No I/O is available.

Stage 1. (Current Available)

Clean up any existing Bugs. These included incorrect display in multi-color mode, and incorrect color mapping in TI Basic (also shows in some modules that use the basic interpreter).

Emulate operation under interrupts.
Emulate disk and RS232/PIO I/O.

Stage 2.

Emulate multi-voice sound through PC Sound Blaster card.
Emulate speech through PC Sound Blaster Card.

Stage 3.

Allow addition of external DSR's. This will be achieved by reserving a set of illegal TMS9900 Instructions. Each illegal instruction will be trapped by PC99 and vectored to a user space where control can be passed to an external function. This function must be written PC C or PC Assembly (80X86 instruction set) language.

Stage Future:

Direct reading of TI disks in a PC drive.

A basic compiler written in PC C or PC Assembly language. The compiler must be able to read the emulated TI disk system to extract the Basic source file. The compiler will then generate native 9900 code in E/A3 or E/A5 format and place the output file back in the TI disk system. The user will then be able to load and execute the file using the Editor/Assembler.

The emulator as it exists today will run all the cartridge software TI ever produced. The requirements to run PC99 are a 80386 based MSDOS computer with a VGA graphics card. Pretty much a basic configuration by todays standards.

While using PC99 I have found it a pleasure to use. It is very good for debugging software or as a learning tool. You can at any time during emulation hit the escape key and you are in debugger mode, where you can change any memory locations value (VRam, Gram or CPU ram) then continue execution to see what results your modification made.

I can see a true renaissance for the TI. Consisting of former TIers that went over to big blue long ago. Many of these folks still have a 4(A) and a zillion game cartridges lying around somewhere (usually in the hallway closet). I believe that many of these people (if they knew of the existence of this software) would buy it, to once again have access to the still exception educational software (not to mention all those old games that they once secretly enjoyed!).

One of the most exciting things about the emulator is that your ENTIRE TI system is emulated in software! That means it is at least theoretic-ally possible to add features like AMS and RAMBO compatible memory or a 9938 Graphics chip by adding some additional code to the program.

Let us say that you have 8 megs of memory on your PC. Much less than one meg of memory is taken up by PC99. That leave 7 megs of potential RAMBO/AMS memory. Always wanted a Gramulator/Gramcracker but couldn't justify the cost? Well, on your PC all the ROMS and GROMS are now in RAM! Free Gramulator! Always wanted a RAVE keyboard? Well now you get it for free!!

Cadd Electronics provides utilities and information to aid you in migrating your programs and data to this platform. Your cartridge based software can be moved over just as it was with a Geneve or Gramulator. In fact PC99 accepts the same cartridge dump formats used by these devices.

Documentation consists of two files. One in WordPerfect format and an ASCII formatted file so you can do a direct "dumping" to your printer. The documentation has been left in electronic form to insure sure that the most up to date information is distributed with the software.

In short, as TI hardware gets harder to find and PC hardware gets cheaper and easier to find (because of economy's of scale) you can protect your software and knowledge investment by purchasing this product.

The TI will now live on for at least another 15 years, if only in emulation!

PC99 (Stage 1 is available today from:

CaDD Electronics	Price: 100.00
81 Prescott Road	(45 dollars for those who purchased Stage 0)
Raymond, NH 03077	Please specify media type:
	5.25 - Low or High Density
	3.5 - Low or High Density.

The author can be contacted on Internet: EICHERDELPHI.COM

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Reprinted from 99'ER NEWS

LASER PRINTERS AND THE TI

By Mike Maksimik
Chicago User Group

Laser printers can work fine on the TI and Geneve. The IBM 4019-001 laser printer I installed at the company I work for came with a technical reference manual including all codes necessary to get the printer to work in several modes: IBM PPDS mode (IBM mode), HP mode (Hewlett Packard), plotter mode, and Epson compatible printer mode.

In Epson mode the printer behaves like any standard PC dot matrix printer. It produces excellent text in this mode and several fonts are available from the front panel and software (and cartridges) to add distinction to your text.

The IBM mode is similar, but adds some commands to change the font styles and also to download them into different memory areas of the printer, so that several fonts can be downloaded and retained in the printer's memory, as long as the power is on.

Using software commands (escape codes) you can rotate the fonts, enlarge them, or shrink them (scaling). You can also control the paper supply using escape codes. In fact, all the necessary codes for controlling the printer need no special software to run on the 4A, just *TI Writer* and a little patience in entering the escape codes into a document.

RDB Enterprises
643 Fair Ave.
Shelbyville, IN 46176
(317)392-0293

To All Hug Members:

I am the new owner of D.Wright Stuff's TI inventory. As the new owner I am looking forward to meeting your software, hardware, and firmware needs as much as possible, or put you in touch with the people who can even if its the competition. Following is a fair but not conclusive catalog of my inventory with prices.

A. Hardware:

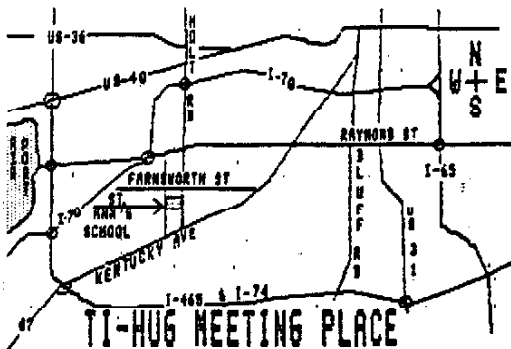
1. Geneve 9640 with keyboard 300.00 with Myarc 512 memory expansion for a total of 1meg of CPU memory 400.00 including S&H.
2. TI 99/4A consoles 25.00 with power supply and modulator 35.00
3. Peripheral Expansion boxes empty 25.00 with (1) Full hgt DSDD drive 45.00 with (2) 1/2 hgt DSDD drives 75.00 full boxes with interface, memory expansion, TI disk controller and two 1/2 hgt drives 125.00
4. Interface and TI 32K memory cards 50.00 ea. TI disk controller cards 25.00 ea TI RS232 cards 75.00 ea. Corcomp Disk controller 100.00. P-Code Card + software 75.00. I also have Full and 1/2 hgt drives.
5. RCA analog and TTL RGB monitor 175.00 with cable for Geneve 150.00 without cable. Monochrome composite monitors 25.00 ea.
6. Original new TI joysticks 4.00, replacement console power supplies 5.00, linear power boards for console 5.00, switching supplies 10.00
7. I also have the WATCHAMACALIT for those of you who have a Myarc HFDC and are having clock problems 29.95 +S&H. GramCracker + software 175.00 shipping included. 3 cartridge Widget 15.00.
8. I have much more in the way of hardware so if you need something please call and see if I have it.

(CONTINUED ON PAGE 8)

MICRO-REVIEWS—

(CONTINUED FROM PAGE 8)

To obtain either or both of the v5 editors put \$1 (\$2 for both) in an envelope carefully wrapped in a piece of paper with your return address written on it and send it to me at the address above. If you decide to use this software, you owe the authors a fair-ware donation over and above what you have already paid for other parts of the Funnelweb system.



MONTHLY MEETING LOCATION
LITTLE HOUSE NEXT TO
ST. ANN'S SCHOOL
2839 S. MCLURE
INDIANAPOLIS, IN

MEETING STARTS
AT 2:00 P.M.
AUGUST 15 1993

This news letter is brought to you by the efforts of the officers & members of the Hoosier Users Group.

THE OPINIONS EXPRESSED HEREIN ARE THE AUTHORS', and DO NOT NECESSARILY REFLECT THOSE OF THE PUBLISHERS.

MEMBERS ARE ENCOURAGED TO SUBMIT ARTICLES FOR PUBLICATION.—PLEASE!

REMEMBER
This is YOUR user group too!

B. Modules: I will try to keep in topical order. There is somewhat a limited availability on many of these cartridges.

Educational

7.00 ea with instructions if available.

1. Addition & Subtraction I *
2. Addition & Subtraction II *
3. Alien Addition
4. Beginning Grammar
5. Division **
6. Early Learning Fun
7. Early Reading *
8. Minus Mission
9. Multiplication **
10. Number Magic
11. Reading Fun *
12. Touch Typing Tutor

Home & Office 5.00 ea

1. Home Financial Decisions
2. Household Budget Mgt.
3. Personal Real Estate
4. Personal Record Keeping
5. Personal Report Generator
6. Physical Fitness
7. Securities Analysis
8. Statistics
9. Tax Investment Record Keeping
10. TI Writer Word Processor
11. TI Microsoft Multiplan
12. Weight Control & Nutrition

Computer Languages

1. Editor Assembler 10.00
2. Extended Basic 35.00
3. Mini Memory 15.00

Communications, Speech, & Disk Control

1. Disk Manager 2.00
2. Disk Manager II 2.00
3. Disk Fixer 5.00
4. Terminal Emulator II 2.00

MBX Games 10.00 ea

1. Championship Baseball ***
2. Honey Hunt
3. I'm Hiding ***
4. MeteorBelt
5. Sewermania
6. Soundtrack Trolley
7. Space Bandits
8. Superfly
9. Terry Turtle's Adventure ***

Games(cont.)

16. Moon Patrol **** 5.00
17. Munch Man 2.00
18. Music Maker could be classified educational 5.00
19. Parsec 3.00
20. Return to Pirates Isle 5.00
21. Shamus **** 5.00
22. Super Demon Attack 5.00
23. TI Invaders 2.00
24. Tombstone City 2.00
25. Tunnels of Doom 5.00
26. Video Chess 10.00
27. Video Graphs 7.00
- *made by Scott Foresman
- **made by Milliken
- ***must use Milton Bradley expansion system
- ****made by Atarisoft

Games

1. Adventure 2.00
2. Alpiner 5.00
3. The Attack 3.00
4. Blasto 3.00
5. Burgertime 5.00
6. Carwars 2.00
7. Chisholm Trail 4.00
8. Donkey Kong **** 5.00
9. Defender **** 5.00
10. Centipede **** 5.00
11. Hangman 5.00
12. Hunt the Wumpus 3.00
13. Indoor Soccer 5.00
14. Microsurgeon 5.00
15. Moon Mine 5.00

I can also make or get Printer cables, Drive cables, and modem cables as well as other electronic parts of various types. I will also trade some and I buy TI equipment also (If the price is right). Please if there is any need that you have in TI stuff, let me know and I will do my best to satisfy that need.

Ricky Bottoms
owner of RDB Enterprises

MICRO-REVIEWS

Funnelweb V5 40-Column Editor and Collecting Cartridges

By CHARLES GOOD

On rather short notice I have been asked by MICROpendium to take over the Micro Reviews column and have agreed to give it a try, so let me introduce myself.

Many of you already know of me from the articles I have written for the Lima newsletter and my efforts in organizing the Lima TI Conferences. I am 47 and have 3 children still living at home (who will help me with game and education software reviews). I teach botany and biology at Ohio State University and am an expert on certain types of fossil plants.

Does any of this qualify me as a 99/4A computer expert? Certainly not! Like most of MICROpendium's readers I am a mere mortal 99/4A user, not a programmer or hardware developer. Like many of the rest of you I purchased my first /4A in 1983 and learned about computers by studying the books that came with the console and typing in program listings published in 99er Magazine. I now use my 99/4A for almost all my home and professional computing jobs including manuscript preparation, letter writing, creating exams for my students from a multiple-choice question data base, personal finance, mail lists, and games. I have not written any fairware or commercial software and have no affiliation (other than "customer") with any of the companies or dealers that serve the TI community. I am thus an appropriately neutral reviewer.

Please loan me your 99/4A software, books, videotapes, and hardware directly to me for review. I am not interested in acquiring a free collection of commercial products so it will be my policy to return commercial products after reviewing them. (I keep anything I will pay for it. My system includes an 80-column device.

Please note that I do not own a Geneve and cannot evaluate Geneve specific products. (*Send Geneve products to MICROpendium for review.—Ed.*) Send your products for review to me at P.O. Box 647, Venedocia, Ohio 45894. My evening phone is 419-667-3131.

FUNNELWEB V5 40-COLUMN EDITOR

The Funnelweb system is frequently updated as new features are added and problems are fixed. Unlike commercial software where users have to pay in advance for updates, Funnelweb users can try out the shareware updates for free. What I am describing is the second release of the v5 40-column editor released in mid June 1993. This supersedes the initial partial release of the v5 40-column editor at the May Lima MUG Conference. There is also a June update of the 80-column v5 editor. These v5 40- and 80-column editors are designed to run from the Funnelweb v4.4 environment. Put the v5 ED and EE files and any desired character set files on your Funnelweb v4.4 system disk. The 80-column v5 editor has already been reviewed in Micro Reviews, with the reviewer stating that it is the only TI word processor he considered superior to MY-Word on a Geneve. Now 40-column users have access to the same neat new features.

The Funnelweb v5 editors have 3 features that are, to the best of my knowledge, not found in any other TI word processor (RAG Writer, TI Writer, First Draft, Writerease, Harrison).

1 — Complete multilingual capability. By holding down the space bar as the editor is loading into the computer's memory you are given your choice of the following languages; English, French, German, Dutch, Swedish, and Spanish. Selecting a language gives a command line written in the selected language with appropriate commands. Print File in French is "Imprimer Fiches", and the equivalent French is "IF". An appropriate foreign character set is loaded which allows you to display on screen and print (using your printer's foreign language character sets) accented vowels and other symbols specific to the specified language. There are several alternate ways of displaying and printing these foreign characters.

2 — ALL CHARs graphics. If you look in your printer manual you will discover a wide variety of graphic shapes coded with ASCII numbers >127. These include foreign language characters, mathematical symbols, and line graphics. The lines are useful for drawing pictures, designing business forms, and creating borders. They resemble the "lines" created by the commercial software Page Pro or Form Shop. Normally these >127 graphics built into almost all printers are not accessible directly from a 99/4A or Geneve keyboard, but with the v5 editor they are. CTRL/comma lets you switch back and forth between the normal ASCII <127 letters and ASCII >127 graphics. Everything is properly displayed on screen (WYSIWYG) and can be printed properly directly from the editor with PF (Print File). You don't need the formatter to print these graphics! As the car commercial says, "Now this changes everything." A whole new world of TI graphics has been opened up.

3 — Both the June 40- and 80-column v5 editors have enhanced hard drive support. From a ShowDirectory display, if you move the cursor next to the name of a sub directory you can display the file names of that sub directory. Also, you can bring up a display of the root directory of the currently displayed directory from within ShowDirectory. This ability to display the entire hard drive tree structure is, I believe, not found in any other disk manager available to the TI community. (I don't have a TI hard drive, so I can't try this feature out for myself. The description above is based on the v5 editor's documentation.)

Among the other nice features not found in previous versions of the Funnelweb editors are help screens displayed from the command line, wild card capability with Find/Replace String, the ability to scroll while in the command line, and the ability to goto a particular line number by typing that number and Enter in command mode. I give the Funnelweb v5 editors my very highest recommendation.

(CONTINUED ON PAGE 7)

Name: _____ Today's Date: _____

Address: _____ Apt. # _____

City: _____ State: _____ Zip: _____

Phone: (____) _____ - _____

Interests/Comments: _____

Annual membership is \$18.00
Due in May

New membership is prorated as follows:

May	-----	April	\$20.00
June	-----	April	\$18.50
July	-----	April	\$17.00
August	-----	April	\$15.50
September	-----	April	\$14.00
October	-----	April	\$12.50
November	-----	April	\$11.00
December	-----	April	\$10.00
January	-----	April	\$26.00
February	-----	April	\$24.50
March	-----	April	\$23.00
April	-----	April	\$21.50

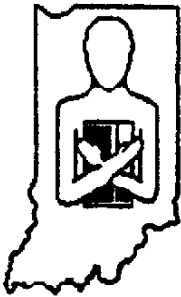
(Cut on dotted line)

Below, you will find an application for membership to the Hoosier Users Group. Active membership entitles you to the Newsletter, up and download on the HUGBds, attendance and voting rights at regular club meetings, access to the HUGger Library of Programs, special club activities and special guest speakers for one year.

Make check or money order payable to Hoosier Users Group. Send completed application to:

HOOSIER USERS GROUP
P.O. Box 2222
Indianapolis, IN 46206-2222

APPLICATION FOR MEMBERSHIP



HOOSIER USERS GROUP
P.O. Box 2222
Indianapolis, IN 46206-2222

TIME DATED
August 15 1993
MATERIAL

Hoosier Users Group BBS
317-782-9942 300 - 2400 8N1
USING S&T BBS SOFTWARE