Newsletter Nine-T-Nine

October 1991 Issue

11/6/91

Texas Instruments
USERS GROUP
TORONTO

"If these test results are correct, then you've picked up a computer virus, and you've been digitalized."

FROM:
9T9 USERS GROUP
15 KERSDALE AVE.
TORONTO, ONT., M6M-1C9
CANADA

TO:

OCTOBER 1991 ISSUE

9T9 USERS GROUP

Circled are the 9T9 Meeting Dates for 1991

9T9 USERS GROUP EXECUTIVE COMMITTEE

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VICE-PRESIDENT Neil Allen (236-0842)
SECRETARY/MEMBERSHIPS Randy Rossetto (469-3468)
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Gary Bowser (960-0925)
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Steve Findlay (416) 727-6807

NEWSLETTER EDITOR

Steve Mickelson (657-1494)

OCTOBER

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
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27	28	29	(30)	31		

NOVEMBER

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DECEMBER

S	M	T	W	T	F	S
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22	23	24	25	26	27	28
29	30	31				

MEMBERSHIP FEE'S

FULL MEMBERSHIP ..... $30.00 / year
NEWSLETTER SUBSCRIPTION ..... $20.00 / year
DISK OF THE MONTH subscription add... $30.00 / year
(Delphi memberships add $3.00 for credit card fees)

All memberships are household memberships. A newsletter subscription is only for those who do not wish to attend meeting, but wish to receive our newsletter and have access to our library. You are welcome to visit one of our general meetings before joining the group. If you wish more information contact either our president, in writing, at the club address on the front cover or by phone.

The meetings are usually held on the last wednesday of each month,(exceptions are December's meeting date, usually mid-month and the months of july and August, when there are no meetings. Consult this issue of Newsletter 9T9 for the date and time of the next meeting. Meetings are usually held at Neil Allen's place, 52 Graystone Gardens,south of Bloor St., just west of Islington Ave., at 7:30 P.M. from 7:30 - 10:30 PM.

BBS

The 9T9 Users Group supports the Toronto BBS, The TI Tower BBS #(416) 921-2731, 300/1200/2400 BPS, 24 hrs. Sysop, Gary Bowser.

MAILING ADDRESS:

9T9 Users Group, 15 Kersdale Ave., Toronto, Ontario, M6M 1C9, Canada

COMMERCIAL ADVERTISING

Any business wishing to reach our membership may advertise in our newsletter
The rates are as follows. (width by height):

FULL PAGE	(7" x 10")	$30.00
HALF PAGE	(7" x 5")	$15.00
QUARTER PAGE	(7" x 2 1/2")	$ 7.50

Please have your ad's camera ready and paid for in advance. For more information contact the editor. Don't forget, that any member wishing to place ad's, may do so free of charge as long as they are not involved in a commercial enterprise.

NEWSLETTER ARTICLES

Members are encouraged to contribute to the newsletter in the form of articles, mini programs, helpful tips, hardware modifications, jokes, cartoons and questions. Any article may be submitted in any form by mail or modem. We welcome the reprinting of any article appearing in this newsletter providing credit is given to the author and 9T9. If more information is required, call the editor. The names, 9T9, Nine-T-Nine, Newsletter 9T9, 9T9 Users Group, and Nine-T-Nine Users Group are Copyright (C) 1982,1983,1984,1985,1986,1987,1988,1989,1990,1991, by the 9T9 Users Group of Toronto, Canada. all rights reserved

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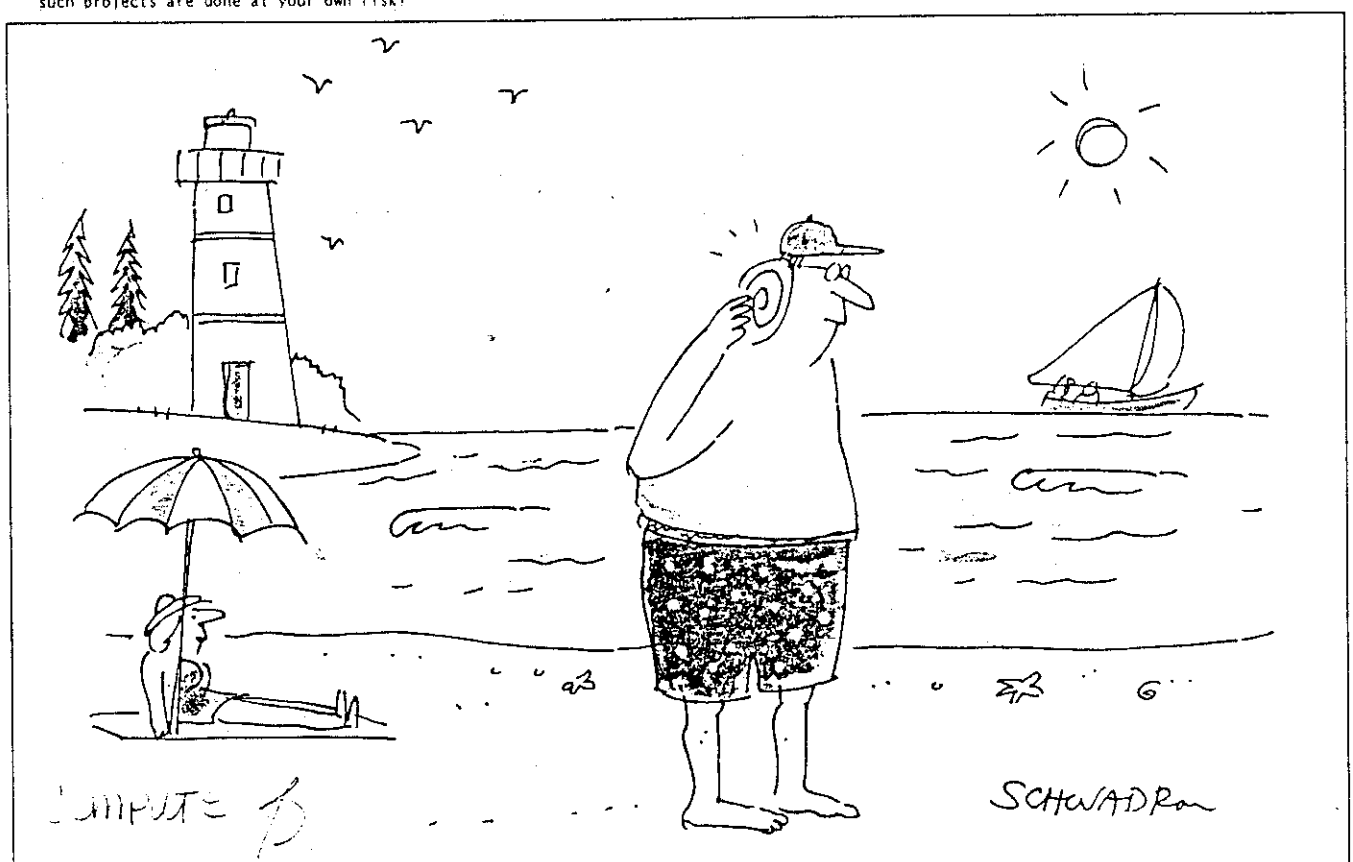


"There will be a slight delay for ocean sounds. Our computers are temporarily down"

TIDBITS #52

-By Steve Mickelson, President 9T9 Users Group
Compuserve 76545,1255; Delphi SMICKELSON; GEnie S.MICKELSON

Regarding orders and deadlines:
It has been difficult trying to get the newsletter finished, due to shortness of time and the many gremlins that visit when you are rushed. Because I did little computing in the summer, my Horizon RAMdisk suffered from battery fatigue, and my Geneve wouldn't boot. Not having time to reformat, re-load ROS, MDOS, GPL etc., I used my trusty mini TI system to deal with TI submissions, for this month.

I had an editorial about Asgard's smart move,(in my opinion), of ceasing to attempt to produce software, hardware and a new/magazine, all as a one man operation. Not to repeat my editorial here, I'd just like to say, by concentrating on software only, Asgard strong suit, the company is no longer overextending itself. I feel the quality of Asgard's product line will return to its previous high caliber, as will improved servicing customer's orders.

Speaking of orders, we had a couple of orders delayed for a couple of members. Jacques Groslouis and R.M. Dumas, both had order's misplaced or delayed. I feel it necessary to explain to them, as well the rest of our membership, why we had a few month delay. One order, placed in early April, never arrived, lost in the mail. This order, along with the other were sent in June. However, after our regular meeting, in the end of June, we have no other meeting until our executive meeting, just a week prior to the last Wednesday of September.

As we are non-profit group of volunteer's, any order received at the club mailing address, won't be processed until September. The order is passed on to Gary for processing, and the cheque is given to Cecil for deposit, in the club's bank account.

In the same fashion, a new membership order, placed in the summer, must be given to Randy, for processing; the cheque to Cecil, again when our executive meets. With vacations and other summer activities, you can see the difficulties encountered.

To make matters worse, our recent postal strike, did little to improve our situation. I hope our members understand why summer may not be the best time to order software from the club library.

Also, that is why the June/July issue of our newsletter comes just after the June meeting, and the next issue,(August/September), does not come out until after the September meeting.

As far as deadlines are concerned, I ask that submissions be made at least three weeks prior to the meeting date corresponding to that issue, (e.g. October's deadline, would be the last Wednesday of September), the only exceptions being the December issue, which coincides with the mid-December meeting date, and so the deadline would be a week before November's meeting.

Exchanges and other news:
Though it seems that we will only see a few more issues of Asgard's Reflections, Asgard will continue to issue press releases, Page Pro newsletters and other informational dispatches regarding their product line. A TI Base newsletter has been dropped, as well as 9640 News sister publication for the TI-99/4A, are both discontinued, due to poor user response. Refunds will be given, to users who have ordered either publication.

It is with regret, I must report the Southern Nevada User Group and Hamilton, Ontario club will cease newsletter exchange. S.N.U.G. cannot cover the expenses of exchanges, (though hope to make a electronic newsletter on GEnie). The Hamilton group was unsuccessful in finding volunteers to assume the position

of newsletter editor. Both of these groups have produced fine publications, they will be missed. We will continue to receive their exchanged newsletters until the end of 1991.

Feature Disk Discontinued:
Andy Parkinson reported at the last meeting that he will discontinue producing a monthly Feature Disk or Disk Of the Month. The reason is the lack of good shareware. Much of the software coming out consists of updates of software already in our library. We hope that users who want an update of software obtained from our library contact the author and pay the shareware donation requested, and get updates from the source. Perhaps an exception would be software from overseas, such as Funelwriter. Though the author tries to help the community by sending updates to Charles Good, for distribution to other groups, users should send a donation to the author. By the way perhaps club's should give the Lima group a donation for the mailing of updates, by passing on new software from membership or a collection, to encourage continued support from that group,(I must admit that I just thought of this while I write this, and must formally request some contribution from the 9T9ers to the Lima group).

So for 1992, the 9T9 Feature Disk will be released perhaps quarterly, as new shareware and public domain software is released. Subscriptions for the feature disk will be discontinued, and the disks can be ordered, when they are announced in the newsletter. Our newsletter will continue unchanged.

Mail call revisited:
Last month I printed a letter, from Richard Mullen, regarding educational software, for his students. I did not receive a reply, but now ask that you write, Richard direct:
Richard Mullen, 42 Roundy St., Beverly, MA, 01915.

To Richard, may I suggest you contact Eunice Spooner c/o the Oakland Computer Club, Atwood-Tapley School, Heath Street, Oakland, Maine, 04963. This group produces a great newsletter geared to the student, and Eunice has made a Video tape tutorial and diskette on TI LOGO, that may be ordered from the group. The Oakland Group use of TI LOGO is quite advanced, and the package brings the novice user of this high level language, a hands-on knowledge of LOGO.

The Oakland Club, also, addresses TI Extended Basic programming. I hope to reprint some of these tutorials, starting with the next issue of the newsletter.

Chicago Fair:
Several 9T9ers plan to attend the Chicago International Fair, and we hope to have reports for the next meeting. Just before press time, the Lima U.G. newsletter arrived, with a fascinating report on a TI Fest in Berlin, Germany, (see reprint).

Possibly ready for the fair, will be a GROM cartridge/device for the TI-99/4A, from OPA. According to grapevine, this device will have an EPROM of either 128K, 512K or one MEGAbyte of memory space. Into the space will be up to sixteen cartridges, all accessible from a mainscreen menu, utilizing the "Review Module Library" feature already built into the TI-99/4A's operating system. This sort of "Super Gizmo", eliminates the problems caused by having numerous cartridges plugged into the GROM port, namely lock-ups.The purchaser must sign a form that he/she already owns the cartridges ordered, and will have the EPROM software as a back-up.I suppose, for an extra fee, the user could dump the cartridge himself, use a sector editor to modify the dumped code, and request the modified code be burned into the EPROM gizmo device. For example, a simple mod such a changing old cartridge output from the TI thermal printer and/or RS-232, to a parallel printer, (PIO), or disk. Screen changes may be possible or maybe 80 column display, if the user is adept at sector editing.Price and date of availability, to be announced. Also, whether OPA will accept modified dumps is purely speculation, on my part.

I'm out of room and time for TIdbits, 'til next month!

NINE T NINE USERS GROUP
Income statement

May. 31st 1991

INCOME		EXPENSES	
Membership Fees	910.00	Newsletters	309.71
Library/Copying	408.20	Misc. Expenses	40.35
Interest	1.04	Contest Prizes	.00
Advertisment	30.00	Downloads	52.00
50/50 Draw	23.00	Rent	.00
		Stamps/Stationary	234.60
		Disketts	52.56
		Bank Charges	4.00
		BBS Subsidy	.00
		Mail Box rental	25.68
		Excess	653.34
	1372.24		1372.24

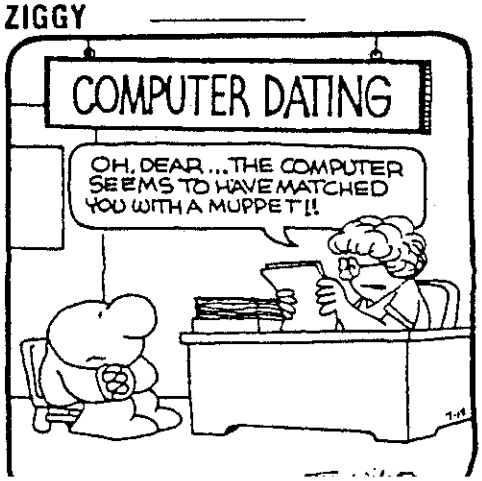
BALANCE SHEET

CURRENT ASSETS		LIABILITIES	
Bank	731.69	Capital	900.00
Cash in Hand	.00		
CASH ADVANCE			
Steve Mickelson	125.00		
Randy Rossetto	53.40		
FIXED ASSETS			
CLUB System	537.80		
Library :-			
Disks,Tapes,Modules	250.00		
Library (printed)	150.00	Prior Year's	294.55
		Current earnings	653.34
	1847.89		1847.89

Please NOTE: This statement is from Jan. 1st - May 31st 1991

Cecil G. CHin
Treasurer/Officer at Large

ZIGGY



The ultimate test of a computer literate user:

1.) Can you write your social security number in hexadecimal?
2.) What is the average access time of a floppy drive, in years?
3.) What is the ASCII code number for a British pounds symbol?
4.) How many pixels are there on a sixteen inch NEC 5D?
5.) What do the following acronyms stand for:

a. RISC
b. SCSI
c. ESDI
d. WORM
e. TSR
f. MCA
g. VLSI
h. CISC
i. IDE
j. TI

6.) Can you tell what COBOL, BASIC, FORTRAN, and PASCAL stand for?

7.) How many pins on a:

a. Panasonic KXP-1124 printer
b. Epson FX-86e printer
c. HP LaserJet IIP
d. Canon Bubblejet BJ-10

8.) Can you visually tell the difference between:
a. a platter and a platen?
b. a bit and a byte?
c. an expansion and an explosion?
d. a network and a nitwit?
e. a Winchester 180 and a Winchester .22?

9.) What does IBM stand for:
a. I Bought a Macintosh
b. Itsy Bitsy Microchips
c. Ignorant Brainless Morons
d. Both (b) and (c)

10.) Can you convert between liters and megabytes? (You may use a calculator)

The preceding quiz was an excerpt from *The Ultimate Computer Exam*, a humorous stab at the hackers of the world, written by Michael W. Moyles. Some of the questions have different levels of humor, I found the quiz to be very funny. If anyone has any questions (or answers) regarding the quiz you may ask me at the August meeting (that's right, I'll be there this month!). CDP

THE SEPTEMBER 1991 BERLIN TI MEETING

reported by Alexander Hulpke

[BB&P editor's note: The text of this article has been slightly edited to improve grammar. Alexander's native language is German.]

For those of you who - be it the large distance, be it other duties - were not able to come to the annual meeting at Berlin this September, I'll try to sum up the highlights and give some report about it. It is of course personal impressions, and I hope I missed nothing and nobody, otherwise sorry! Although the meeting had excellent organization (I should note, that we are used to it) by the Berlin user group, especially Franz Neudert and Henry Hillsberg who also provided some "tourist program" for those who were interested, the attendance was significantly low compared to the last year. I assume this is not just falling interest, but also a consequence of the very distant and noncentral location of Berlin (which also will be a major disadvantage for it as capital). Nevertheless some guys even came from Belgium and the Netherlands, but for example I did not see anyone from Austria, who came the last years. I won't touch attendance and non TI program any more, but describe the various new or modified programs shown.

Starting with the hardware, first I should note, that lots of people had a modified p-Box; even though it housed the usual cards, you could not recognize it at a TI system at the first glance, also concerning the large varieties of disk drives; from 5 1/4" 90KB up to 3.5", 1.44MB. Also a card with voltage regulators was shown, that allows one to connect more disk drives to the p-Box's internal power supply. Most systems had an 80 column upgrade, and there were also about 5 Geneve Systems, unfortunately none with the 64k video upgrade.

Not suprisingly the new hardware shown had some connection to the 9938:

First there was an small modification to the 80 column card to allow the use of a standard Color Look Up Table (CLUT) as used on V6A cards. This allows the 16 or 256 colors to be selected from about 256000 or so, beating the 9958. The modification, which was invented and shown by Sven Dyroff, costs about 30DM in parts and requires the connection of the CLUT to the color bus and the installment of an 8 Byte port for programing the CLUT. As there was no special 80 column card hardware, it should be possible easily to adapt it also to the DIJIT card or the Geneve. The only problem (especialy on the Geneve) wil be to find an 8 Byte area still unused, that could be decoded for this device. Also some power-up software has to be included to reset the standard palette. Even though the circuit was build on a breadboard, it worked flawlessly and the video signal was very stable. If I knew a free memory area to decode, this would be the next addition to my Geneve and to YAPP, if anyone knows, please let me know!

The other new hardware was shown by Klaus Wendel and the TI Club Leipzig and consisted of a video digitizer connected to the 9938. They had a custom built video card, that allowed parallel use of the 9918 or 9938 by replacing the video interrupt by an external one. To this card a RGB splitter was connected that also was connected to a video camera to get a signal. The digitizing speed was virtually real time, and the results astonishing. They provided also the possiblity to do a digitized image of yourself, the result of me you see in the accompanying picture file ALEXANDER (YAPP 256 colors, the proportions are a bit wrong, if seen in NTSC). Soon also some people started using YAPP to modify pictures, thus some people eagerly kept the disk with their digitized image for themselves to avoid such tampering...

The same guys also showed modified routines for disk access, that allowed direct controller programming and avoiding the TI filesystem overhead -- blazing speed, comparable with a good harddisk, when using it on a TI with disk drive. Also they told, but not demonstrated, the use of an AT-Bus harddisk on the TI. A harddisk with this kind of interface could be connected with very few work (about 20DM cost in parts) to the TI, just by providing a port to write to/read from. The only problem would be to write a new DSR, which they had no time for. This kind of harddisk may be difficult to implement on the Geneve, since he does not use the DSR's, but surely would be an alternative for the TI, since an AT-Bus harddisk is priced about the same as one with ST506 port.

On the other side, there was some software newly demonstrated or now shown in finished versions: Henrik Wedekind demonstrated a finished version of his platine CAD program, that surprises users especially by it's very user-friendly handling, similar to the macintosh computer by Apple. The program provides nearly all standard paint functions and works neatly on the TI with 80 column device (I did not check it on the Geneve).

Peter Muys from Belgium showed his program "CRASH" which allows stock market analysis on the Geneve. The program is written completely in Assembler and runs from MDOS mode. I'm not a speciallist concerning shares, but I was told the built

in functions are equal or even beat PC programs, that cost several kilomarks.

Also shown (sorry, but my sieve-like brain forgot the name of the author) was a XBasic compiler for the TI. At the moment, it compiles everything except SUB's, DEF's and arrays, the only disadvantage is compiling time, which is still counted in hours. The program is written in basic and not yet able to compile itself, otherwise really neat.

Asgard Software, which was represented by Jim Fetzner, sold their software program. Unfortunately a large packet with software did not arrive in time, thus quite a bit had to be ordered to be send by mail. New were TI/Geneve adaptions of some Infocom Games never released for the TI. I've seen those adaptions some time ago, but Adgard has purchased not just the rights to distribute it, but also the original packages, which means you get all those great goodies with your software. I guess everyone knows these games, and does not need any explanation, so just a short rating: all the following software is from Infocom; buy, enjoy: SUSPECT, HOLLYWOD HIJINX, STATIONFALL, LEATHER GODESSES OF PHOBOS, LURKING HORROR PLUNDERED HEARTS and possibly many more!

During the last year, I have not had much programming time, so I just showed the newest version of YAPP, with the included hardcopy and the ability to load instances. Again I found that some people did not know about even elementary options of the program, since they did not read the DOC's completely (additionally, but not in the DOC's: enter just the number, when doing a disk's directory). Also the logic functions, that allow for example the mixing of pictures and the use of colored slides are often underestimated.

Winfried Winkler showed his new modified XBasic. This program is not, as many other "new XBasics", just filled with additinal routines, be it for graphics or other purposes, but also extensively rewritten. In particular, part of the code has been removed from slow GROM and the slowness of interpretation in GPL to fast Assembler. This leads to the only drawback: The module consists of not just 2 ROM Banks at >6000 like the standard XBasic, but 3, thus only running only on the Mechatronic GRAM card, but not on the Geneve or Gram-Kracker or other simulators with just two banks. It is the first module I know of, that makes use of the third bank.

The last program to note was again shown by me, though it was written by Martin Trabi of Austria. None of the Austrian user groups came to the meeting. This 80 column version of the UCSD p-System for TI and Geneve caused quite some interest in those users tired of slowness and disadvantages of Basic. There also is a so-called Turbo-Pascal, but this contains just a small subset of the Jensen/Wirth standard, excluding all higher data structures as pointers and records, also the syntax is quite different to the standard.

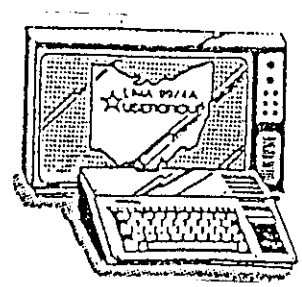
Those, who have worked with the p-system Pascal know, that it resides on a p-box card, which contains some ROMs and GROMs. Martin has done a terrific job in disassembling and rewriting these routines, modifying them to use on a module simulator like Gram-Kracker or the Geneve. While doing this work, some errors were corrected, and a yet nonsupported command included. This would get you an (perhaps a bit faster) equivalent of the p-code card, but he did not stop with this. Also included is access to the 9938. This will let you use the system in TRUE 80 columns, which is a more than major improvement. The 64k extension RAM of the card can be used (if installed) as an RAMdisk, that is large enough to contain the compiler and some swapping space. Since the compiler does a large amount of swapping itself, this greatly decreases compiling time and thus turnaround times.

Also modified and improved was the SYSTEM.LIBRARY, now not only including rewritten support routines, also including a new one for the mouse, but also an equivalent of the well known TURTLEGRAPHICS package, for example aviable on the AppleII. This allows one for example to compile programs originally written for the Apple on the TI/Geneve with just minor modification (for example because the 9938 allows more colors and better resolution than the Apple).

I must admit that this is to my eyes the BEST program I've seen, since I got my Geneve (before this time I had a p-code card), since the reason for me to upgrade was to run Pascal in 80 column mode. For those of you who never use the p-system, you can compare the possibilities to those of Turbo-Pascal 4.0 or 5.0 for the PC. Only some units access for graphics etc are done differently (e.g. the PC has no sprites). UCSD Pascal does not include the object-oriented stuff of newer Turbo-Pascal (But I don't think this is a major disadvantage, since this results more or less just in diferent coding conventions) and functions as parameters, but (and not yet included in Turbo-Pascal) the ability to run procedures parallel, including so called "semaphores" for synchronization. This excellent program is not yet published, but since I heard Asgard Software is trying to publish it, since they already obtained the rights for the p-code card and the accompanying programs, hopefully the release will be soon!

That's all for this time, next year the meeting will be held again in Wiesbaden, hoefully attracting again more people.

DONE



CONFIGURING FUNNELWEB-THE QUICK AND DIRTY WAY.

First of all Function 9 and Control C both act as a return mode.
Secondly all prompts require just a single key press and are the first letter of the prompt name. (Efor Edit etc...)
Okay now with that out of the way lets configure away!!!!!
Loading: Load configure (filename CF) either from main Xbasic screen or OPt #5 from E/A module.
The first screen will be the Configure title screen. Already you have 3 options to contend with.
1.is ? which pops up a help screen.This command will also work at all other screens where you must make a choice.
2. Function 7 will display a Disk Directory of a drive.
And finally by hitting any other key you'll get to the next screen.
(NOTE THIS IS A STEP BY STEP INSTRUCTION. If you need more info I suggest you read the docs from the Funnelweb package.)
Sysinfo
Next you choose between Load Edit Save
Load the info into memory.
Now you will be prompted for the location of the SYSCON file after this is filled in correctly hit enter.
Edit.
AND NOW THE FUN STARTS!!!!!!!!
Loading- this will bring up a window for changing the loading info for FunnelWeb.
Boot Loading is used if you want FunnelWeb to follow the disk drive from where you loaded FunnelWeb originally. If you intend for FunnelWeb to only look for specific files on specific drives then use B until OFF is displayed.
TI-Writer Side and EA Side These #'s should correspond to the drive that FunnelWeb files are located on. If The TI-Writer files are on a seperate disk than the EA files then correct the # for these drives. If both sets of files are on the same drive then use the same # for both prompts.
Working Drive-I usually leave this blank.
Immediate. This tells FunnelWeb how a return to FunnelWeb is wanted when coming back to the FunnelWeb enviroment (ie. returning form DSKU or DM-1000) this also is how FunnelWeb is entered when you load FunnelWeb from E/A (using FW or UTILI as the E/A loader). Hitting I cycles through 3 choices. 1:DR reloads Disk Review immediately. 2: UL loads the UL list that you create. 3: FW loads the TI Writer Menu. Choose whatever you like.
Hard Disk path is if you have a Hard Drive.
Now go Back (Control-C or Function-9)
Devices
This is where you set up your printer and files names
Edtr Printer sets the parameters for the PF command of the editor as well as the P command of Disk Review
Fmat Printer Sets the parameters for the Formatter (I use PIO anf PIO.LF respectively)
I generally leave Object File and Program File blank. For Work file I enter DSK2. so that when I do a SF from the Editor all I need to enter is the filename. Put whatever you like here.
After you finish here Control-C or Function-9
Colors which sets up your screen and character colors for FunnelWeb.I like the ones that came with FunnelWeb I left mine alone.
Menu
TI Writer this sets up the TI Writer menu screen you have the choices of Edit Back Redo Next in the remaining menus
Edit allows you to change the info. Redo returns bar to top of menu, Back moves bar up one space Next goes down one space.
Remember that these files must be E/A loaded and the actual filename should be 2 characters long.
Edit title name. Then hit <enter> next enter Filename <enter> finally use arrow keys to move bar to the program type that loads your file then hit <enter> again.
**FYI Anything that you want to appear on the F command of Disk Review should be in either the TI Writer menu or the E/A menu.
After you have made the changes you desire go back and choose E/A menu make changes in the same way as above.Then go back 2 times to come to the selection screen.
Main Menu. This is where you can change the Main title screen. Also this is where Extended Basic Programs load from.
Now you are given a couple of new options. You first should Fetch the old menu you will be prompted for the location of the LOAD Program for FunnelWeb. After this is loaded you can Reserve which puts into memory the original menu Xchange allows you to go back and forth between the menu you are editing and the one stored in memory. Ebrings up the menu. Using the arrow keys you can scan down the menu and when you come to something you want to change press Edit. Now the first thing you need to do is to create a title name for your file (I'll use DM-1000) press <enter> and you need to choose Boot Tracking.If off it will require you to specify what drive the file will be located in. If ON it will boot from the drive that FunnelWeb was loaded from. Hitting Reminder will cycle between YES and NO what this does is if you answer YES then FunnelWeb will ask you for the disk to be

inserted for this program every time you try to load it (handy for those who have one drive or more than one FunnelWeb disk) if the answer is NO then FunnelWeb assumes that the file is located on the disk that FunnelWeb is Booted from.

<Enter> moves you to the next part.

Here you enter the Filename for this particular file. Using DM-1000 I would enter MG if Boot Tracking was on or DSK#.MG where # is the drive that MG file is located on. Notice that if Boot Tracking is on there is no need to enter the DSK prompt. <enter> Now you use the arrow keys to move the bar to the file loading type. When you are in the correct area (E/A Program for my MG file) hit enter. NOTE Only in this menu can you access the XBasic Loader.

When finished you Control-C or Function-9 to go back.

UL List: This will allow you to change the UL file as well as the create any other UL file that you wish. The directions are the same as for The XB menu except you must Fetch each list individually and must Save each list individually. By creating more than one UL file and giving them different names you can string them together Using Next list as a File and calling the next file. Again only E/A files can be loaded from this file, and remember to Save each list. After you are finished with the UL and saved the UL file(s) Control-C or Function-9 until you return to the Sysinfo Menu of Edit Load Save.Now you will want to Save the changes so hit Save and fill in the prompt for where the SYCON file is located. (Note the SYCON file should be on the Main FunnelWeb disk but after yo are through configuring you can leave of the CF and CG files to conserve disk space) Hit <enter> and wait for the screen to come back to the Sysinfo menu. Now Control-C or Function-9 to the Sysinfo Quit Install screen and Hit Install. You now will be asked for XB-Load or FW/UTILI -Load. Main XB and enter where the LOAD file is <enter>then when the targeted filename is requested hit<enter> again. When this is through you should save the information to either a FW or UTILI file for E/A loading of FunnelWeb if you choose not to then Control-C or Function-9 and hit Quit then reset the computer and reboot FunnelWeb and see if it all works well. This text was written as a brief quick and dirty outline for configuring FunnelWeb 4.31 and by all means is not a complete tutorial. Basically I wrote this as a companion to my demoing the Configuring of FunnelWeb for our users Group. If any other group wishes to reprint this then go for it. All I ask is for proper credit asnd a copy of the newsletter that this is printed in.

Good Luck and for more info read the FunnelWeb docs. ALSO PLEASE SHOW SOME $$$$$ SUPPORT FOR THE AUTHORS OF FUNNELWEB. WILL AND TONY MCGOVERN.

PATRICK POWELL P.O. BOX 496 OCEAN PARK, ME. 04063-0496

PROGRAM. PASS THIS ALONG.....<RICH>

MDOS Patches

I've seen messages back and forth between Geneve owners concerning patches to MDOS. The following message from Rejean Felton, summerizes many of those patches that he wrote for the welfare of the Geneve owners.

Find the following Hex sequence in System/Sys:

```
>C320 >A1CC >1300 >D320 >8350 >098C >C34C >022C >8300 >022D
>A000 >CF3D >CF3D >CF3D >CF3D >CF3D >020C >834A >020D >A04A
>CF3D >CF3D >CF3D >CF3D >CF3D >CF3D >CF3D
```

And replace it with:

```
>D820 >5C24 >F114 >C320 >A1CC >1300 >D320 >8350 >098C >C34C
>022C >8300 >022D >A000 >CF3D >CF3D >CF3D >CF3D >CF3D >020C
>834A >020D >A64A >CF3D >020C >8350 >16FC
```

This will enable low level routines for floppy access.

The Mode command patch is: Replace the following

```
>0200 >1A00 >0420 >2AE2 >06A0 >4590 >4292 >0458
```

With:

```
>0200 >1A00 >0420 >2AE2 >06A0 >4590 >4292 >1030
```

The next one is NOT a real correction to M-Dos but will allow TPA4MDOS to print properly, using 0.97H. This might have the side effect of having other programs to print garbage... I'm not sure about those other programs but it works miracle with TPA!

Find the following:

```
>D020 >A1CE >1304 >D020 >A205 >1101 >101F >06A0 >63C6 >C160
>6014 >C165 >6054
```

And replace with:

```
>06A0 >63C6 >C160 >6014 >C165 >6054 >D020 >A1CE >1304 >D020
>A205 >1101 >1019
```

If you encounter any problem, it will be due only to a mistype. I haven't uploaded the file to my PC yet so I wasn't able to upload it. The patch for the Mode Command has been released by Barry Boone (if my memory's alright). The one for floppy access and TPA has beenreleased by myself in June '90. You can be sure that the three of them are 100% operative.

FUNNELWEB Vn4.31 TUTORIAL (Part 1)
DISK REVIEW (1.1) by Jerry Keisler

GENERAL

DISK REVIEW has the newest changes in FW so I will start with it. To improve the usefulness of this tutorial I will show the screens and explain the active parts of each screen. This will take several months, hence the ()'s in the title. (DR) = DISK REVIEW. The upper left is a general discriptor of the screen. The upper right is my filename for the TI-Artist picture.

FIRST SCREEN

This is the first screen seen when DR is selected.
(ESCAPE) (esc) is FCTN/9 or CTRL/C. This allows backing out of one or more screens or windows.
(BREAK) is FCTN/4. This terminates most processes.
(1-9) Reads the indicated DISK DIRECTORY from several locations in DR and produces the DskDir screen. (esc) or (E/I) keys will return to a valid directory display if one is present.
(0) zero will cycle screen colors on several screens.
(D) DISK UTILITIES are activated. The D-Util screen will be shown in a later tutorial. CTRL/A or FCTN/6 will produce D-Util unless a valid directory is present.
(F) produces the current FUNNELWEB Central Manu. The FnlWeb screen will be shown in a later tutorial.
(c=) CTRL/= returns to FUNNELWEB from several screens.

DISK DIRECTORY (1-9) SCREEN

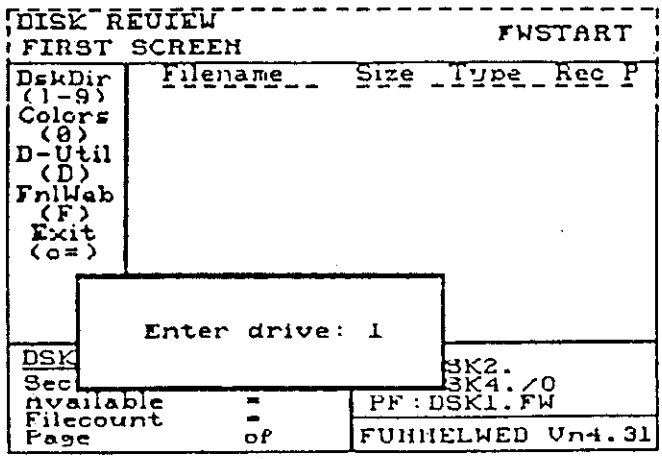
FCTN/8 re-reads directory.
(enter) returns to initial screen.
(esc) CTRL/C or FCTN/9. (E/I) and FCTN (E/I) move the cursor up and down the directory one line at a time.
(B/N) and CTRL (E/I) Pages thru the directory.
(space-bar) marks file. It may appear in WF OF PF block if appropriate.
WF current workfile ie, TI-Writer LF/SF, DV80, DF80, etc.
OF current object file DF80.
PF current assembly program file.
(O) Oldfile restores old filename before DR was used to WF.

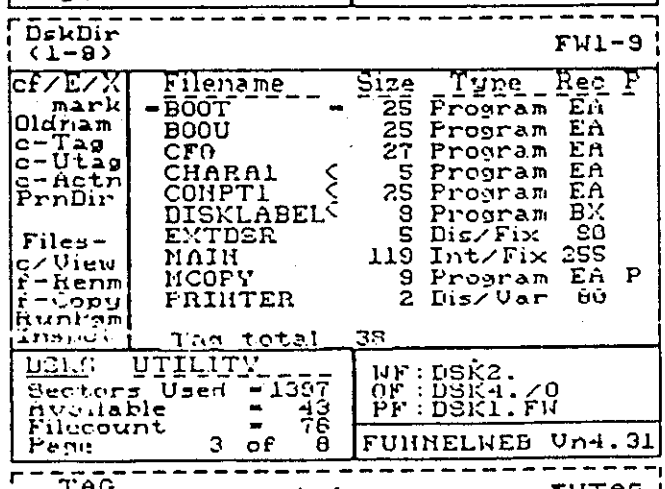
-----TAG OPERATIONS---------
(T) tags the file under the cursor with <.
CTRL/T tags all files with <.
(U) untags the file under the cursor.
CTRL/U untags all files.
Tag total is the total size of all tagged files.
CTRL/C c-Action works on all tagged files as fellows:

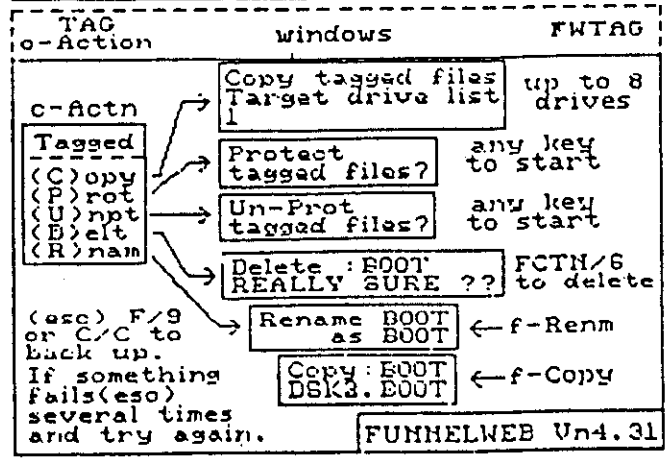
See TAG c-Action windows
(C) copies all tagged files to up to 8 different drives. (BREAK) FCTN/4 is checked after each file is completely copied. If you FCTN/C before a file is completely copied, it should be deleted.
(U/P) unprotects or protects all tagged files.
(D) deletes tagged unprotected files. Each file is presented for verification. FCTN/6 is required to delete each file.
(R) rename all tagged files.
(U/P D R) Dir is reread after these actions are completed or after (esc) for verification.
You may have to (esc) a tag operation 3 times then return to the tag function.
----end TAG operations------

(P) print directory, prints to device shown in TI-Writer PF in the APPEND mode.
(V) views any type file to screen one screen at a time.
CTRL/V views any type file to screen in continious scroll.

VIEW will be covered in a later tutorial in greater detail.
FCTN/R renames file under cursor. The directory will be reread to verify changes.
FCTN/C copies file under cursor to any drive 1-9, using same or different name. Will prompt for disk swapping if same drive and name. Copy buffer is 46 sectors.
(R) run program sends marked file (space-bar) to appropriate loader.
Basic/XB should load and run automatically. Most assembly program files should load under 2 GPL.
Text files gives you a warning. If you continue, it is treated as a script file to load up to 15 E/A object files. Script file will be covered in a later tutorial.
(I) inspect and edit sectors will be covered in a later tutorial.







HOW TO ACCES/RUN DISK FILES
by Jerry Keisler

I have been asked by several members how to run some of the programs on our DOM. The following is a list of what you may find in your disk directory and how to run it.

If your disk has a LOAD file, it may run all the files on the disk regardless of type.

PROGRAM FILES (PG)

There are several options for running these files.

---- Extended Basic (XB) ------

will load and run automatically when you select XB and the disk is in drive #1, if it has a LOAD file. Or can be run by typing :

OLD DSKn.name enter
RUN enter or
RUN"DSKn.name" enter

If the program loads correctly but you get a BAD VALUE error when it runs, you need to load the program into Basic (no CHARS above 143 are allowed in XB). If the program file is more than 45 sectors and won't load, you have to open up more memory. Do this by typing:

CALL FILES(1) enter
NEW enter
OLD DSKn.name enter
RUN enter

---------- Basic ----------

programs need to be loaded by typing:

OLD DSKn.name enter
RUN enter

Most Basic programs will load and run in XB but not vise versa. If you get a FOR-NEXT error in line xxx and when you edit the line and get a lot of nonsense, the program is written in XB. The same is true if the sectors are greater than 45. More space is needed in the computer. See CALL FILES above. If you still get a memory full and tried XB, then most likely it can only be run on tape (OLD CS1) without the expansion box turned on.

------ Editor Assembler -------

If a program file will not load and run in Basic or XB and gives an I/O ERROR 50, it may be an assembly language program. These can be run using BOOT, the Editor Assembler module option #5 with DSKn.name or FUNNELWEBs RUN option of Disk review. These program files are listed in consecutive order such as MASS, MAST, MASU OR UTIL1, UTIL2, UTIL3. The files will normaly have 33 sectors.

-------- Gram-u-lator ---------

These require a GROM simulator card or box. The files contain 34 sectors and have the same name with the numbers 1 thru 7 attached to files 2 thru 8. Follow your GROM simulator instructions to load and run.

---- Other Program Files ------

Some specialized program files can only be loaded from a special module such as ADVENTURE (54 sectors), PERSONAL RECORD KEEPING, STATISTICS, TUNNELS OF DOOM (52 sectors)

DIS VAR 80 FILES (DV80)

These are usually text or documentation files. (DOCS, READ-ME, ETC) They are instructions on how to run programs on the disk. Read or print them using TI Writer, FUNNELWEB, BOOT or the (V, T or P) option of several disk managers.

DIS VAR 163 FILES (DV163)

This is an XB file in MERGE format. It can be merged into a program already in computer memory. Type:

MERGE DSKn.name enter

You must do this even if no program is in memory. To save a file in MERGE format, type:

SAVE DSKn.name, MERGE

in XB only.

DIS FIX 80 FILES (DF80)

Use EDITOR ASSEMBLY MODULE, LAR or FUNNELWEB to load these. Some files will auto load and/or auto start. Use LOAD and RUN option #3. Type:

DSKn.name enter

If the program does not run but asks for a second file name, you either must do #1 and #2 or just #2 below.

#1. If there are multi files for the program, type:

DSKn.name enter
for each file.

#2. Then press enter. If the program does not start, enter the Program name. The program name could be START, BEGIN, GAME, LOAD, RUN, FIRST, ETC. FUNNELWEB will give you a list of names found in the program.

DIS FIX 128 FILES (DF128)

These are usally ARCHIVED files. You must unarchive these files before you can run them. Use ARC303 or ARC303G

INT VAR 254 FILES (IV254)

These files usually have more than 45 sectors and are Extended Basic requiring memory expansion. They do not require CALL FILES(1). Basic can not be used. The same commands are used such as RUN or OLD DSKn.name. The files are usually so long that they can not be saved to tape (SAVE CS1).

DATA FILES

Files such as INT FIX 108, INT VAR 128, INT VAR 64 and some Program files are data files that are used by a program on the disk. They will not RUN and should be left on the disk with the other programs.

QUICK REFERENCE

TYPE	SIZE	TRY
PG	--	XB, BASIC, EA CART
PG	33	EA #5, BOOT, FW
PG	34	GROM SIMULATOR
PG	52	TUNNELS OF DOOM
PG	54	ADVENTURE
DV80	--	TI-WRITER PIC
DV163	--	XB MERGE
DF80	--	EA #3
DF128	--	ARCHIVER
IV254	>45	XB
ANY	--	DATA

some other files

ENDS WITH	TYPE	DISCRIPTION
	TI-BASE	
/P	IF255	PROGRAM
/H	DV80	HELP
/C	DV80	COMMAND or
/C	IF40	COMMAND
/D	IF__	DATA-BASE DATA
/S	IF255	DATA-BASE STRUCTURE
	TI ARTIST	
_C	25PG	PICTURES COLOR
_P	25PG	PICTURES PATTERN
_F	DV80	CHARACTER FONT
_S	180V80	SLIDES
_I	DV80	INSTANCE
_V	DF12	VECTOR
_M	DV254	MOVIE

Ref LA99ERS Nov 87 and various programs.

LITI 99ers U.G.
93 MYERS AVENUE
HICKSVILLE, NY 11801-2424

DISK MANAGER FUNCTIONS - A COMPARISON
Based on a Chart from Program Bitten (Sweden)

Updated June, 1991

Manager/ Function	TI DM 2	OTTAWA DM1000 3.5	MYARC MDM V 1.30	DISK UTIL 4.2	FWB DR40 4.31	FWB DR80 4.31
Drives Supported	1-3	1-8	1-9,WDS	1-9,A-Z	1-9	1-9
Densities Supported	S,D	S,D	S,D,Q	S,D,Q	S,D,Q	S,D,Q
Single Drive In/Out	Y	Y	Y	Y	Y	N
FILE FUNCTIONS						
Copy File	Y	Y	Y	Y	Y	Y
Header Before Data	Y	N	Y	Y	Y	Y
Read/Write	File?	Sector	Sector	Sector?	File	File
Sectors Per Pass	45	40	58	40	??	59
Copy with Rename	Y	N	N	Y	Y**	Y**
Warn Before Overwrite	N	N	Y	N	N	N
Move File	N	Y	Y	Y	N	N
Delete File	Y	Y	Y	Y	Y	Y
Recover Deleted File	N	Y	N	Y	Y	Y
View DV80	N	Y	Y	Y	Y	Y
View DF80	N	Y*	Y	Y	Y	Y
View all DV and DF	N	N	Y	Y	Y	Y
View INT + Program	N	N	N	N	Y	Y
View Myart G6/G7	N	N	N	N	N	Y
Protect/Unprotect File	Y	Y	Y	Y	Y	Y
Rename File	Y	Y	Y	Y	Y	Y
DISK FUNCTIONS						
Catalog	Y	Y	Y	Y	Y	Y
Send Printer Codes	N	Y	N	Y	N	N
Rename Disk	Y	Y	Y	Y	Y	Y
Copy Disks File by File	Y	Y	Y	Y	Y	Y
Files per Pass	1	1	Several	1	1	1
Destination Number	1	1	1	1	8	8
Copy Disks By Sector	N	Y	N	Y	N	N
Copy Used Sectors	n/a	Y	N	Y	n/a	n/a
Copy All Sectors	n/a	Y	Y	Y	n/a	n/a
Sectors per Pass	n/a	104	57	39	n/a	n/a
Format Disk	Y	Y	Y	Y	Y	Y
Multidisk Format	N	Y	N	Y	N	N
Sweep Disk	N	Y	N	Y***	Y	Y
DISK TESTS						
Read Test	Y	N	Y	Y	Y	Y
Read and Write Test	Y	N	Y	N	N	N
OTHER FUNCTIONS						
Sector Edit	N	N	N	Y	Y	Y
Run Program	N	N	N	N	Y	Y

* Funnelweb version of DM 1000 will not view DF80 files.
** File rename available only with single file copy
*** Sweep Disk called "Reset Disk"

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COMPUTER BRIDGE
(MAY 1991)

TI-99/4A LIMITATION?

by Jan Knapp

I get to speak to a lot of different people about how they use or want to use their computer being the Newsletter Editor. I'm usually the first one they contact when they decide to sell-out. One of the comments that bothers me the most is when I hear someone say that they have "outgrown" the TI-99/4A and are moving on to an IBM compatible. In some instances this can be true if they are using an IBM at work or have need for an extensive data base but many times it's just a case of not realizing the full potential of this computer. I hope to explore this potential.

The TI-99/4A is a wonderful computer for the home and especially for children with it's speech snythesizer. Some of the programs, such as data bases, are limited due to the fact that you are operating on only 16K of computer. This does not mean that you cannot accomplish what you want to do, however. A simple manipulation of files can accomplish a lot. Say that your mailing list program can only handle 80 names and you need it to hold 400-500 names. You do not need to buy a new program. Instead of having all the names on one file, make 6 files. In file 1 you include names the begin with the letters A-C, file 2 letters D-G, file 3 letters H-L, file 4 letters M-P, file 5 letters Q-S, and file 6 letters T-Z. This allows you all the benefits of the data base with just a little work on your part. If you would also PRINT the file to Disk you can load the files onto TI-Writer and merge them together for a beautiful written directory in elite, pica, condensed, it's your choice.

I hear a lot of complaints on flipping through screens on TI-Writer. You do not have to have an 80 column card to solve this problem. If you set your tabs for 0 and 39 and remove the line numbers (FCTN 0), you will not flip screens and everything will be easily read. If you use FORMATTER that will take care of everything. If for some reason you would like to see the end results or want to print it through the EDITOR simply reset the tabs to the desired amount and reformat each paragraph (CNTRL 2). Remember that if you indent each paragraph in the EDITOR mode you need to reinstate them while reformatting (FCTN2, FCTN 7).

Another way of getting the most from your computer is to shop around when buying software. The most common choices are the ADVANCED and the USER FRIENDLY. The ADVANCED software might do all that you can ever think of wanting to do, but because it's memory is used to do the tasks it requires much documentation and TIME for trial and error. The USER FRIENDLY software may be a WYSIWYG (what you see is what you get) type of program that will prompt you and double check every entry. This is great for BEGINNERS and COMPUTER USERS that may not have the time to play with the more advanced programs. USER FRIENDLY programs are limited in functions due to the memory being used in prompts and screen documentation. When considering it's purchase look for programs that will interact with other programs that you may want to purchase in the future. Decide what you want to use as your STANDARD and work from there. Consider buying software like you would an appliance. If you have trouble setting your watch you don't need the VCR with all the bells and whistles that you will never use. If you need or like the bells and whistles go for the ADVANCED.

I hope I've been some help. If anyone has any other tips on expanding our TI contact me by way of the COMPUTER BRIDGE.

SPIRIT OF 99

HOW WE PUBLISH (part 1)

A while ago I asked newsletter editors to include in their newsletters for some details as to how they publish their clubs newsletters.

I would like to thank the newsletter editors who have passed on this information in their newsletters.

I will try to explain how I put this newsletter together.

start here

1. We use about 1000 lines of text (DV80 file) 74 characters in length. (I leave 6 blanks lines for each article) The text can come from any member, but every newsletter editor knows that there are probably 1 or 2 real sources.

2. The first line of text in the first file (I usually have 2 main files a month;TI-OCT-91) is:
   .LM 0;RM 28;IN 3;FI
   This makes all the text 28 columns wide for PAGE PRO 99.

3. If I have time, the file is run through SPELL IT! to correct most spelling error.

   The old file is erased and the Spell-checked one is renamed to the old one.

4. The text file is run through the FORMATTER of FUNNELWEB(TI-writer) and PRINTED to DSK with a file name of TI-OCT91

5. The FORMATTED file is loaded back into the editor and ALL NEW PAGE symbols are removed and the text is joined to make articles one long, continuous part of the file. This is done manually (ie.use FCNT 3)

6. Then ALL "1f" symbols are removed by SAVING through PF(not SF) using C DSKx.TI-OCT91. The C removes the line feeds.

7. Make a note of the articles (NAME and line length).

   DO STEPS 4-7 for all FILES.

8. One scrap paper using about 60 lines pre page design out where the articles are to go.

9. In the Editor still,load the first page LEFT side lines.

   Remember that you can load discrete LINES thru LF eg. 045 067 DSK1.TEXT loads lines 45-67 only.

10. SAVE the LEFT SIDE of page 1 using PF as file DSKx.P-01L

11. Repeat step 9 and 10 using text for the RIGHT hand side of page 1. Save as file DSKx.P-01R.

    Continue to do the rest of your pages until you finish.

12. Fire up PAGE PRO 99 from ASGARD. Start in column 1 of line 3 and IMPORT text DSKx.P-01L. Then move over to line 3 column 32 and IMPORT text DSKx.P-01R.(*NOTE:page 1 has a PIC and only 60 lines of text)
    Fine edit the text and ADD PICTURES as you wish at this point.

13. SAVE this PAGE in PAGE PRO FORMAT BEFORE printing. Just to be SAFE.

14. PRINT the PAGE.

15. Continue in this manner (steps 12-14) until all pages are done.

SPEED UP YOUR 2400 BAUD MODEM (Editor's note... I have no idea if this works, but it sounds interesting.)

TI EXPRESS-PART 2
by Patrick Powell

While online to a local BBS I recently found this Zipped IBM file. After using DEZIP (by DATASTAR SOFTWARE C/O BEN YATES, P.O. BOX 952404 LAKE MARY, FL 32795) I edited the file to this portion which seems to be useful for all computer types. I cannot guarantee this project will work but it may be worth a try. REMEMBER: This modification is done at your own risk. TI EXPRESS, Patrick Powell, or this publication are not to be held responsible for any errors or mistakes in this article or in this modification.

****
How to upgrade your 2400 modem into a 9600 baud (US Robotics compatible of course)

Written By Death Bringer
CPT/Info-Net/IRA)
06/7/91

Be sure to turn off your modem before you begin.

First of all, you need to go to your nearby electronics store, don't try to go to Radio Shack, their parts have their own model numbers and you'll have a hell of a time getting the parts you need. This upgrading of your modem will not work on old hayes modems, but they will work on any clone maker of modems (everex, practical peripherals, anchor, ati, intel, etc.) It will only work with modems with the Intel Chipset.

This technique widens the band width by using a different chip that is similiar to the one already in your modem.

Parts Needed:
16550 UART
L4313545 IC
SC11020CN IC
L8730183 IC

First of all, check to see if your biggest chips are soldered or socketed. If they are soldered, you'll have to de-solder the chips before you begin.

After you get that done, replace the 8250 UART with the 16550 UART. (16550 UARTs are required for 9600+ speeds). The other 1 or 2 chip(s) need(s) to be replaced with INTEL L4313545 instead of the chip that is already there. If your modem has another socket or more, than you are in luck, you can purchase a chip from US Robotics, and make your modem faster than 9600. If you don't have the socket, then you can only go 9600. I'll get the chip number to you in the next edition and explain how and where to install it. I am working on a way for the people (like me) that do not have the extra socket in their modem to speed up the rates. I am working on a way to piggy back the chip. I'll get back to you. There should be a 22 pin chip on your modem with a model number of SC11005CN or somewhere close to it. Replace it with the SC11020CN. Also, replace the L8630173 with the L8730183 chip. If you have any suggestions or questions, you can locate me through Compuserve USER ID 74702,97524

WARNING DO THIS AT YOUR OWN RISK!!!!!!!!!!!!!!!!!!!

(If you choose to reprint this article please do so in its entirety. Also I would appreciate a copy of the newsletter that this is reprinted in. I have spent many hours converting public domain IBM text files to TI text files and would appreciate the knowledge that someone else finds them useful)
Patrick F. Powell, P.O. Box 496, Ocean Park, Me. 04063

I also am in the process of converting over 100 legal forms to TI D/V 80 files. These will be fill in the blank forms such as wills, deeds, liens, etc... If you are interested in such items drop me a line.

I have released over 1200 new TIPS pictures recently. They are files

1PAT,2PAT,3PAT,4PAT,5PAT, 6PAT,7PAT,8PAT,9PAT,/GAF, /GFP,/GPZ.

Also I will be releasing my final version of TIPS MANIPULATOR sometime in mid August. This version will support full sorting and rewriting of TIPS files as well as renaming the pictures. When this is completed I will be attempting to write an editor program for the TIPS pictures as well as I am working on converting another 1000 or so pictures to TIPS format. When and if I do I'll pass them out to the TI community through Jim Peterson/Barry Traver.

Crackerbarrel

by Chick De Marti

* AUG. 1991 *

DM1000 TIP (June 1991)

I received a letter from Richard R. Hay, secretary of the NORTH COUNTY ears, asking about a clarification of the 'TIPS' by Bruce Rodenkirsh, I had quoted in the Crakerbarrel for June. I will take this opportunity to use it for material for this month's Crackerbarrel.

Regardless which version of Funnelweb you use, you will now find they are using the 3.5 Vn. of DM1000. So this information will probably be useful to everyone.

When DM1000 first comes up, you will see this screen.

```
DM-1000 Vn 3.5 --- FUNNELWEB

   Select Option: 1  <-cursor

      1. FILE Utilities
      2. DISK Utilities
      3. Misc Utilities
```

Pressing 1 .. will display:

```
   F I L E   U T I L I T I E S

   Select Option: 1  <-cursor

1. Copy/Move/Delete/Type/Print
   Prot.Unprot/Rename/All/None
2. Recover File
3. Funnelweb Vn 4.1 (your vn)
4. Cartridge ROM
```

From here, if you press 1, you will be in the "copy mode" for files. Let's look at the options available in this mode.

The cursor will now be on drive #1...enter your drive #.

When the files that are on your disk are displayed, the cursor will be in the "CMD" column (as Richard stated)...(I can only suppose that Bruce in his TIPS preferred to call it the "operations" column). From here:

Pressing 'C' tags a file for copying.
Pressing 'M' tags a file for moving.
Pressing 'D' tags the file for deleting.
Pressing 'A' will tag all files. for Copying.
Pressing 'N' (stands for NONE) clears all previous tags (allowing you to change your commands.

With the cursor on a DV80 file, pressing 'T' will type the file to the screen, while pressing 'P' will print it.

To RENAME a file, simply move the cursor over the existing name and retype a new name.

To Prot/Unprotect a file (using the back-arrow) move the cursor to the protect column and enter a 'P' or 'U' as desired.

~~~~~~~~~~~~~~~

That's the end of my expertise of the "File Utilities" menu. I presume the "2. Recover File" will do just that, recover
~~~~~~~~~~~~~~~

a deleted file(?). (I've not tried that one yet).

"3. Funnelweb Vn n" allows you to switch back and forth between DM1000 and Funnelweb.

"4. Cartridge ROM" does NOTHING on my copy of DM1000.

NOTE: To get a printed copy of the directory, use Fctn-7

I hope this has been of some help to those using DM1000 Vn 3.5.

~~~~~~~~~~~~~~

If you have an Epson Printer and want it to print in the emphasized mode, you might have a line in your program similar to this:

```
400 PRINT #2:CHR$(27);"E"
```

Have you ever noticed the printer respond by moving forward a line of paper. It's almost as though the printer is answering you with a "Yes Sir". To keep the printer from advancing the line, simply add a semicolon to the command.

```
400 PRINT #2:CHR$(27);"E";
```

~~~~~~~~~~

In Bob Buehler's "KINDER KORNER #9" (Aug. issue of the K.C.99er Connection), he explains a program using the SMETSORT (that's a combination of SHELL and METZER co-authors of the sort). In it he explains the INT() command thus:

"INT means INTeger. An Integer is the largest whole number within a numerical quantity. Thus, the INT of 1.69 is 1, as is 1.99999 or 1.00009."

While this is absolutely true, most of (in the business world) expect anything over 1.5 to = 2. To get the INT command to come up with this value, use the formula:

```
N=INT(N)+.5
```

Here's how it works. Knowing the computer will return a value of 1 if N=1.99, in N's normal value was 1.4 (less then half), even when we add .5 to N:

```
N=1.4 + .5 = 1.9
```

it will still return a value of 1 (no harm done). However, if the original value is 1.69 (more than half), now when we add .5

```
N=1.69 + .5 = 2.19
```

the computer will respond with a 2. The choice is yours.

NOTE: As with any formula, when combining it with multiply od divide, remember the higher archei of numbers (* / + -)

Try this shortie, to graphically display the differences.

```
10 CALL CLEAR::N=5
20 PRINT "Example #1"
30 FOR J=1 TO 9
40 T=INT(N)
50 GOSUB 130
60 NEXT J
70 PRINT :"Example #2"
80 FOR J=1 TO 9
90 T=INT(N)+.5
100 GOSUB 130
110 NEXT J
120 END
130 FOR X=1 TO T
140 PRINT "*";
150 NEXT X
160 N=N+.5 :: PRINT
170 RETURN
```

ADD 115 INPUT A$

I'm out of coffee.
See you next month
at the CRACKER BARREL

Bits, Bytes & Pixels

"DATA BASE 1" CLARIFICATION

Disk 246 (A and B) of the Lima U6 software library contains the software package DATA BASE 1. It is noted on the disk annotation, "There is no date or copyright notice on this software. Frank Bubenik has provided the following information about DATA BASE 1:

DATA BASE I belongs to SPC SOFTWARE CO., Box 212 Brightwaters NY 11718, phone 516-422-0452. It is a commercial program available for $29.95 and is now also available for the AMIGA and IBM. Software author Steve Flanagan is a LITI (Long Island TI User Group) member.

DONE

A SOURCE FOR ALL OFFICIAL TI COMMAND MODULES

reported by Charles Good
Lima Ohio User Group

The following notice appears in the "99ER DIGEST" portion of the September 1983 issue of 99ER HOME COMPUTER MAGAZINE (p. 53):

"FAIRS AND AMUSEMENT PARKS GO COMPUTER.

"TI's Consumer Group will be represented nationwide at 14 state fairs this summer and fall. Exhibits featuring the 99/4A will reach an expanded market with TI's Product Service Representatives demonstrating educational, entertainment, and information management applications in Arizona, California, Indiana, Kentucky, Louisiana, Minnesota, New Mexico, New York, North Carolina, Ohio, Oklahoma, Texas, Washington, and Wisconsin. In addition, Six Flags Magic Mountain amusement park in Valencia CA will feature a 3000 square foot Computer Discovery Center sponsored by TI. Forty 99/4A systems and a short Cosby-narrted film will be exhibited."

It turns out that "Service Representatives" at all these events were supplied by TI with a COMMAND MODULE SIMULATOR. This unique hardware was different than the PE box. It had a couple of disk drives and came equipped with 22 disks. The disks were intitialized DSDD using the 8 sector per track format found on TI's never officially released DSDD disk controller card for the PE box. EVERY COMMAND MODULE ever released or anticipated for future release was on these disks, encoded in a format unique to the COMMAND MODULE SIMULATOR. The disks could only be run using the sumulator. TI "Service Representatives" could call up ANY module for members of the public to play with.

Frank Bubenik, Lima U6 member and secretary/editor of the Long Island TI U6, reports that one of the LITI members purchased one of these COMMAND MODULE SIMULATORs recently at a flea market along with all 22 disks. Software on the disks apparently includes ALL cartridge software officially released or under development directly by TI or under a TI license (software copyrighted to others but manufactured and distributed by TI). All of the "never released official TI modules" I have described in the past (such as Wing Wars, Von Drake, Music SDA, Germ Patrol, etc.) are included on the COMMAND MODULE SIMULATOR disks, as well as additional unreleased education titles, and some officially released in very limited quantities educational software by Scott Foresman and Addison-Wesley containing a 1983 copyright.

This rare or never released educational software includes these titles: COMPUTER MATH GAMES 1 3 and 4; STAR MAZE; NUMERATION 1 and 2; ADDITION & SUBTRACTION 3; FANTASTIC FRACTIONS 1; DECIMAL DELI 2; READING CHEERS WONDERS ADVENTURES RAINBOWS POWER FLIGHT and TRAIL; PYRAMID PUZZLER; PICTURE PARTS; and SPACE JOURNEY. This is really high quality educational software by some of this country's best names in public school publishing. Most cartridges make good use of the "bells and whistles" available on the 99/4A (sound, graphics, speech), much more so than PLATO software designed to run from the /4A. I will be describing these education cartridges in a series of articles.

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