

THE NEW FUNNELWEB v4.40
described by Charles Good
Lima Ohio User Group

Accompanying the mailing in mid August 1991 of this newsletter are disks containing the first release of FUNNELWEB V4.4. ANY INDIVIDUAL OR ANY USER GROUP that does not receive this mailing can obtain these files from us by sending two DSDD disks (everything unarchived), OR two DSSD disks (files partially archived), OR four SSSD disks (files partially archived) and a paid return mailer to P.O. Box 647, Venedocia OH 45894.

Although some releases of v4.40 have the date May 31/ 91, debugged v4.40 files were not actually available until early August. This version contains the new enhancements demonstrated by me at the May 18 Lima MUG Conference, plus a lot more! 80 column users will particularly benefit from some of these new features. As stated by Harry Brashear in the June 1991 issue of Micropendium, the existence of 80 column Funnelweb really justifies the purchase of an 80 column card for the 99/4A. In his letters to me, Tony McGovern suggests that this will NOT be the final Funnelweb update. At some future date he hopes to completely rewrite the Funnelweb text/program editor.

Mainly because of new extensive doc files, v4.40 will no longer fit on one DSDD disk unless it is partially archived. The system files (both 40 and 80 column) occupy 709 disk sectors and the docs fill another 874 sectors. Thus our initial distribution with this newsletter is partially archived. Enough files are left unarchived to let you immediately try out the major features of v4.40, including the 40 column EDITOR and DISK REVIEW. Archiver is on disk and can be booted from Funnelweb to unpack the rest of the files. Unpacking can be done, and Funnelweb v4.40 can be used on a system with only SSSD drives. We are including supplementary files, not part of the official Funnelweb v4.4 package, as space permits. These supplementary files include DSKU v4.2, DM1000, and foreign language character sets.

Upgrading from earlier Funnelweb versions is easy. You can use your old SYSDON file to quickly configure v4.40. Load your old SYSDON into v4.40's Configure program and then press BACK and "install" the configuration into v4.40's LOAD and FM files. You cannot safely use your old user lists (older versions of files UL and DI) directly with the new version. However, the v4.40 -READ-ME file gives easy and explicit directions for transferring data from your old UL and DI files to the v4.40 UL and DI user lists.

THE NEW FEATURES ADDED SINCE v4.31

--SUPPORT FOR DSKU FILE COMMENTS: Many TI user groups use DSKU file comments to annotate their software libraries. Now these comments can be copied and (in 80 column DISK REVIEW) viewed and edited on screen. Normal file by file disk copying does not transfer DSKU file comments to the destination disk. Until now, the only way to copy these comments has been to use John Birdwell's DSKU program, or to use a whole disk file copier. Now Funnelweb will copy these comments when files are copied from within Funnelweb's 40 and 80 column DISK REVIEW. Tagging files and then asking for an action (ctrl/A) from DISK REVIEW now has a new option M(otes). First you C(opy) all the tagged files to the destination disk by pressing "C". Then pressing "M" will transfer all DSKU file comments from the source disk to the destination disk. This is a two step process.

From 80 column DISK REVIEW you can also directly read these DSKU file comments on screen, and you can also edit them or create new comments where none existed. You can't read or create file comments directly from the 40 column DISK REVIEW, but you can use DISK REVIEW 40's sector editing capabilities to read/edit/create such file comments. Very specific instructions on how to do this are included in the 40 column DISK REVIEW documentation.

An example of DSKU file comments can be seen at the end of this article describing each of the separate Funnelweb v4.40 files.

--MULTIPLE USER LISTS SIMULTANEOUSLY ACCESSABLE AND DISPLAYED ON SCREEN: The supplementary user lists, each listing accessible from Funnelweb's central menu as USER LIST or DISK UTILS have been available in earlier releases of funnelweb. They are nice because the files called from these lists can have a file name of up to 10 characters and a path name of almost any length, and the files can and can reside in multiple drives hard drives or raadisks. These user lists are great for booting software from hard disks or from multiple drive systems that have "resident" disks sitting all the time in specific drives (the poor man's hard drive). Each USER LIST can have up to 8 programs that RUN with the press of one key.

There is nothing new in the above paragraph. What is new is the ability to display up to three (40 column systems) or six (80 column systems) user lists on screen simultaneously when USER LIST is selected from Funnelweb's central menu. This display can also be obtained on power up if you CONFIGURE Funnelweb to immediately boot its USER LIST. You can then move the cursor with the arrow keys over to the

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program you want to boot and press <enter> to run the program. That's right folks, a simultaneous display of up to 24 (in 40 columns) or 48 (in 80 columns) program names instantly bootable from any drive.

What you do is create separate user lists from within CONFIGURE using Funnelweb v4.40's UL file as a template and then save each user list to the Funnelweb boot or TIW drive (as designated from within CONFIGURE) with a file name other than UL (such as UM, UN, etc). Then take Funnelweb v4.40's ML (or ML80) file, rename it UL, and place it on the Funnelweb boot drive. When you select USER LIST from the TIW Funnelweb central menu, ML or ML80 reads all the user lists and displays all their file names on screen!

--ENHANCED 80 COLUMN SHOW DIRECTORY: 80 column users already know about the ability to store multiple large text files in memory for rapid viewing with 80 column DISK REVIEW. Now you can do almost the same thing from within the 80 column text/program editor. From within Show Directory you can V(iew) a second text file while the text file you are editing remains in memory. The V(iew)ed file is displayed as one 80 column page of text at a time. This is not new to v4.40.

What is new is that up to 24 screens of text from one or from several V(iew)ed files CAN BE STORED IN MEMORY for almost instant access without further disk activity. I have a 44 sector TI Writer help file that takes up only 8 screens. I can store other text files in the remaining 16 screens of the Show Directory V(iew) text storage buffer. Once I load my help file into memory, I can rapidly switch back and forth between the text editor and show directory display buffers for viewing purposes. From the edit buffer I can press SD, V(iew) my help file without bothering to boot a disk directory, go back to the text I am editing, and then later instantly bring up my help file again as needed.

No, you can't rapidly exchange text between the 80 column edit and SD buffers without first saving your edit buffer text to disk. And no, this extra text V(iew) storage buffer is not available to 40 column users. Some of the extra VDP memory associated with 80 column cards is used to store the V(iew)ed text, and this memory does not exist on 99/4A systems without an 80 column card. 40 column users can still V(iew) text from Show Directory one screen at a time, but there is no memory buffer for the V(iew)ed text.

--COMBINATION 40/80 COLUMN EDITOR: There are times when 80 column users would benefit from a 40 column editor, for example when preparing documents designed to be displayed on a 40 column screen. The new 80 column text/program editor can be switched back and forth between a 40 and 80 column display. Of course you need an 80 column card to get an 80 column display. 40 column only users still have a separate 40 column only editor. The 40/80 column editor is combined with an 80 column only Show Directory screen with all the new V(iew) enhancements described above.

--IMPROVED ERROR HANDLING:

Funnelweb v4.40 should now be compatible with grow library devices such as O.P.A.'s gizmo, the Mechatronic gram card, and an enhanced granulator.

When loading DF80 software, Funnelweb will now display the names of any unresolved REFs or duplicate DEFs that are encountered.

--ACCELERATING CURSOR: The flashing cursor autorepeats and also accelerates as a single key is held down. This acceleration is new.

--ASSEMBLY "PROGRAM" FILE MAKE FROM SCRIPT LOAD: A greatly enhanced Script Loader (file SL), when called from LOADERS option of Funnelweb's central menu, can assemble a linked group of DF80 object code files into runnable assembly PROGRAM FILES. Extensive documentation describing the use of SL tells how. Tony McGovern says this feature has been used extensively by him in the creation of Funnelweb v4.40. The new Script Load should be useful to those creating very large assembly programs from a series of separate DF80 object files as is often done in the development of c99 software. If you have any long groups of DF80 files that take forever to load (such as early versions of the games TENNIS and ARCTURUS) you might try running them through Script Load to convert them to quick loading EA PROGRAM files.

--ASSEMBLY LANGUAGE PROGRAM SERVICES: Funnelweb loads some special assembly language callable routines (with EQU >xxxx). These routines can be used by programmers who create source code that is designed to run from the Funnelweb environment. Many of these routines have been available in earlier versions of Funnelweb. They are now fully documented and available to the programming "public". Some of these routines include:

DSRLNK, that is compatible with multiple RS232 cards.

KSCAN, an enhanced KSCAN.

DELSPR, shuts off the sprite list for quick return to text mode.

VMWD, a VMBW that saves space by ignoring nuls in a fixed length data value.

VMBRD, the VPD read version of VMWD.

VFILL, fills a block of VDP RAM with a single byte value.

VSTRW, writes a string to VDP.

CURSOR, an enhanced cursor routine.

DSRREN, a direct DSR reentry from saved values.

SETGRD, sets GROM address so that module library banking is supported.

CFILES, sets the number of open files, as in CALL FILES

RDDEV, builds a PAB in VDP.

Below are disk directories showing the unarchived set of Funnelweb v4.40 files on two DSDD disks, complete with DSKU file comments describing each file.

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Filename	File Type	Size	
AR	PGM	8066	33 ARCHIVER v3.03
AS	PGM	8192	33 ASSEMBLER, part 1
AT	PGM	5432	23 ASSEMBLER, part 2
C1	PGM	1024	5 Text editor character set.
C2	PGM	1024	5 Program editor character set.
C99PFI;D	D/F	80	2 Used with c99
CF	PGM	8192	33 CONFIGURE, part 1
CG	PGM	6220	26 CONFIGURE, part 2
CHARA1	PGM	1024	5 Character set for DSKU.
CP	PGM	587	4 Boots c99 & neatly returns to FM
CTBK/D	D/F	80	17 Boots FM from menu of supercart
D1	PGM	542	4 DISK UTILS user list
DR	PGM	8192	33 40 column DISK REVIEW, part 1
DR80	PGM	9984	40 80 column DISK REVIEW, part 1
DR81	PGM	8400	34 80 column DISK REVIEW, part 2
DS	PGM	7706	32 40 column DISK REVIEW, part 2
DU	PGM	8192	33 DSKU v4.2, part 1
DV	PGM	8192	33 DSKU v4.2, part 2
DW	PGM	7424	30 DSKU v4.2, part 3
EA	PGM	1860	9 Required to boot any EA files.
ED	PGM	8192	33 40 column EDITOR, part 1
ED40	PGM	8192	33 40/80 column EDITOR, part 1
ED41	PGM	4998	21 40/80 combination EDITOR, part 2
ED80	PGM	8192	33 80 column EDITOR, part 1
ED81	PGM	5028	21 80 column EDITOR, part 2
EE	PGM	4152	18 40 column EDITOR, part 2
FO	PGM	8192	33 FORMATTER, part 1
FOREIGNARC	I/F	128	12 Archived foreign character sets
FP	PGM	3620	16 FORMATTER, part 2
FSAVE	D/F	80	7 SAVE utility to create EA PROGRAMS
FW	PGM	8152	33 The main FUNNELWEB program, from EA
LDFW	D/F	80	10 Boots FW from Minimec or EA module
LH	PGM	3836	16 LINE HUNTER assembly code utility
LL	PGM	2064	10 LOW LOADER, needed to boot LL files
LOAD	PGM	7873	32 Main FUNNELWEB program, from XB
MG	PGM	8192	33 DM1000, part 1
MH	PGM	4978	21 DM1000, part 2
ML	PGM	526	4 40 column MULTI LIST user list.
ML80	PGM	542	4 80 column MULTI LIST user list
QD	PGM	2622	12 QUICK DIRECTORY, part 1
QF	PGM	2544	11 QUICK DIRECTORY, part 2
SCRIPT	D/V	80	4 Sample SL script file.
SL	PGM	3002	13 Needed to boot SL series of files.
SYSCON	PGM	1214	6 System configuration data, forCF/CG
UL	PGM	542	4 central menu USER LIST template
XB4THLD	PGM	203	2 Boots TI FORTH from XB user list.
FWDOC/EASM	D/V	80	40 PROGRAM EDITOR doc
FWDOC/EDAV	D/V	80	57 80 column TEXT EDITOR doc
FWDOC/LOAD	D/V	80	48 How to boot Funnelweb. XB list doc.
FWDOC/PSRV	D/V	80	95 Newly available assembly calls doc
FWDOC/REPT	D/V	80	60 Bug report doc
FWDOC/SCLL	D/V	80	51 SL, LL, UL, and ML doc.
FWDOC/TIWR	D/V	80	31 TEXT EDITOR doc, both 40&80 columns
FWDOC/UTIL	D/V	80	38 CF CP FSAVE LDFW UL LH CTBK/D doc

Filename	File Type	Size	Comment
-READ-ME	D/V	80	53 It really is important to READFIRST
FOREIGNDOC	D/V	80	3 Foreign language character sets doc
FWDOC/DR40	D/V	80	77 40 column DISK REVIEW doc, part 1
FWDOC/DR41	D/V	80	75 40 column DISK REVIEW, part 2
FWDOC/DR80	D/V	80	99 80 column DISK REVIEW doc, part 1
FWDOC/DR81	D/V	80	51 80 column DISK REVIEW doc, part 2
FWDOC/DR82	D/V	80	99 80 column DISK REVIEW doc, part 3

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LETTER TO THE EDITOR

[EDITOR'S NOTE: The following letter from Tony McGovern refers to a "Letter to the Editor" from Chris Bobbitt published in the June 1991 issue of the Linn UG newsletter BITS BYTES & PIXELS, and to comments made by Gary Bowser at the May 1991 Linn MUG Conference and recorded on video tape #1 of this Conference.]

Dear Charlie,

The M-UG meeting tapes arrived in fine shape and despite the usual problems of viewing NTSC tapes in a PAL country, I have managed to look at a large part of them. When I walk up to the Audio-Visual counter at the U. of Newcastle library with a videotape in hand, they just wave me towards the NTSC machine without even asking now. You really do have a good thing going at the Linn conferences.

There are a couple of items in the tapes and in the June BB&P that just invite comment though. Firstly in the BB&P Chris Bobbitt has a throwaway line that should not be allowed to slip by unchallenged. [EDITOR'S NOTE: Chris says, "I hear complaints all the time from FUNNELWEB and TIPS users that they are always perpetually a few versions behind because it is updated so frequently."] Let's face it, there is always a certain amount of tension between commercial software publishers (and also carriers of paid advertising such as MicroPendium) and fairware authors. As one such I find it unconscionable to know of a bug-fix for one of my programs and not share it immediately. Equally well if I come up with improvements, I like to share these as soon as possible. Now I know as well as Chris that the realities of commercial publishing make it inevitable that buggy software does not always get fixed for the paying customers, and that bug-fixes and improvements may well be withheld to suit commercial schedules. I have a rule for evaluating what salesmen say, and that is "paraphrase the pitchman". In this case he is claiming as a virtue, a policy of delayed release of bug-fixes and improvements, by disparagement of alternative policies. I think the comment was disingenuous at best, and not at all necessary in the promotion of Asgard's software line.

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Gary Bowser's comment is a more complex one to deal with, and brings up a lot of the problems with new product development on our fascinating but isolated orphan of a computer. [EDITOR'S NOTE: On the video tape, Gary Bowser says about RAMBO, "We gave one to Tony McGovern. Tony McGovern has never even plugged it into his Horizon Radisk. He just opened up the manual, read it, put it back in the box."] There are no multi-gigabuck companies doing it, and rarely much more than individual efforts on a part time basis. The results are remarkable all things considered, but no individual or small group can ever do as much as they would like. These days I teach college physics for a not very inspiring and even less rewarding living, but I have been a hardware (but not digitally) oriented EE in the past and still am by inclination. The gap between my eye-sight and micro-electronics is widening rapidly from both sides, especially mine, so I mostly stick to getting my kicks from programming - the 9900 is much more fun than the ATs I use at the U. of Newcastle. Cooperation between hardware producers and software writers is even more essential for the TI-99 community than it is for currently supported machines. Trouble is, it hasn't been all that apparent. Look how little Myarc seemed to have learned from TI's original horrible example.

Yes, there is a RAMBO here, and no, it has not been installed. Neither has it been sold, and it may still find application. Firstly it came as a fairware contribution from a Canadian User Group, and not from OPA directly. Gary did call at terrifying length from Toronto (terrifying at least to one here who thinks in terms of Telecom Australia's billing habits) for very interesting conversations with the kind of EE I can talk to, but no hardware, or software source level info ever came to Australia out of it. As far as I can see my position vis a vis OPA is just that of any other purchaser of product. Same holds true for Horizon products, except that I have never been able to establish two way contact with Bud Mills about HRD problems. I gather Bud doesn't believe in the existence of life outside Ohio. At least that beats Lou Phillips who some suspect never even existed (it was really Basil Fawlty on the cover of MicroPendium I'm sure).

Group fairware was also the way the original Horizon RD arrived here, and that had a large influence on the development of the Funnelweb system. That and a second similar 192K HRD are to this day the boot disk foundation of my main 99/4a system. So there you are, the HRDs are crammed to bursting and in permanent use. Also they are the original 8-bit jobs, and conversion involves a major level of butchery that I am not prepared to undertake on essential components of my system just to test a new product of little benefit in my system as it exists. The ideal would be to install it on a new HRD3000, but I am very dubious about spending the money needed unless memory prices decline severely. The cost certainly would never be recovered from fairware at this late stage. As it is I have well over \$400 in a local HV99 Quest 512K RD (the first dozen 32K by 8 chips having been bought at

very high prices), and I am still not convinced that it was a wise investment. So there's the rub - writing software to use RAMBO might have been interesting if I had already had a big HRD with memory to spare, but why commit a small fortune on supporting a device of unknown detail design, no source code provided for the ROS nor information on possible bugs, and not all that much potential benefit. When it comes down to it an 8K block is not too useful without Geneve style mapping into larger contiguous blocks, though I did write out pseudo-code for a segmented text buffer manager for TI-Writer as a starter. Other things that might be done involve the Assembler and Formatter, but without access to original source for these it hardly seems worth the effort as they already work satisfactorily with the current level of interface patching. That's something that bugged me years ago, when after much hard work on deciphering TI-Writer, enough to make significant patches and additions such as paged SD, the original source crossed the Pacific and it was clear that not a damn thing of substance had been done with it in the meanwhile. For the 99/4a I rather prefer the type of memory mapping implemented by TI in their never-released 128K RAM expansion card. We have a working one of those built up with TI original circuit board and PAL, but is there much incentive for writing anything for a rarity like that? RAMBO is a more likely candidate, but will have to wait until the right HRD is available for use, if ever.

I had previously faced a similar problem with the AVPC, an early prototype card that someone else had had for a year before us, where I had to lay out \$570 at K-Mart (as always the computer bits bought when you needed them are cheaper now) on an Amiga monitor. Now in this case the benefit was large, apparent, there was already the first Amiga in the house, and the monitor could be justified further for use with a future VCR as a monitor or even a replacement TV. The AVPC still has the original ROM, no source code, and no TI RS232 fix-up ROM, and the only realistic way to get a response from DIJIT in finite time was to write to Lutz W. as intermediary. Still, I think the 80-column developments here have been useful to users and producers of all 80 column devices, no doubt including OPA's TIM, but it was DIJIT that made the constructive approach.

Signs of the times here are that the Hunter Valley U6 will cease operation very soon. It became apparent at the AGM that continued operation could no longer be supported by the local membership, and so an orderly winding-up procedure is under way. It was fun while it lasted, and I think the group made its mark on the TI-99 world. Many members had already drifted off to other machines, but others will continue informally.

So what for the future at Funnelweb Farm? Plans to move on to the Amiga have only been postponed, for reasons extraneous to computing. We have done very little with the graphics capabilities of the 9938 as yet - William wrote a set of video utilities, and I did some not successful enough

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experiments on getting more colors in text mode. But then I look in the next room and see where Will, now the master of Aniga blitter fills, has full screen size objects rotating with 50 Hz screen updates in perspective view, and then I wonder why bother on the /4a. Now that Vn 4.40 of Funnelweb is finally released, mental fatigue is setting in, and I don't even want to think about the complete Editor rewrite again just yet - maybe it will never happen. There would be nothing like the TI Assembler source code to get the juices flowing again, but even that will be too late soon. New hardware is in such the same category. To us over here the 99105 board is just a fleeting image on videotape, and the prospect of a hard disk controller that actually works properly is still no more than claims on an advertising flyer.



Nowadays, when the chips are down, it's usually a computer's."

Tony McGovern
Funnelweb Farm
July 4th / 91

DONE

B.C. 99ER USERS' GROUP May 1991

Ed Mc Rish was kind enough to donate the following "Handy Hints" which, obviously, TI must have neglected to add to the User Manual.

Proper Use of Floppy Diskettes

1. Never leave diskettes in the disk drive, as data can leak out of the disk and corrode the inner mechanics of the drive. Diskettes should be rolled up and stored in pencil holders.
2. Diskettes should be cleaned and waxed once a week. Microscopic metal particles can be removed by waving a powerful magnet over the surface of the disk. Any stubborn metallic shavings can be removed with scouring powder and soap. When waxing the diskette, make sure the surface is even. This will allow the diskette to spin faster, resulting in better access time.
3. Do not fold diskettes unless they do not fit into the drive. "Big" diskettes may be folded and used in "Little" disk drives.
4. Never insert a diskette into the drive upside down. The data can fall off the surface of the disk and jam the intricate mechanics of the drive.
5. Diskettes cannot be backed up by running them through the Xerox machine. If your data is going to need to be backed up, simply insert TWO diskettes into your drive. Whenever you update a document, the data will be written on to both diskettes.
6. Diskettes should not be inserted or removed from the drive while the red light is flashing. Doing so could result in smeared or possibly unreadable text. Occasionally the red light remains flashing in what is known as a "Hung" or "Hooked" state. If your system is "Hooking", you will probably need to insert a few coins before being allowed access to the slot.
7. If your diskette is full and you need more storage space, remove the disk from the drive and shake vigorously for 2 minutes. This will pack the data enough (Data Compression) to allow for more storage. Be sure to cover all openings with Scotch tape to prevent loss of data.
8. Data access time can be greatly improved by cutting more holes in the diskette jacket. This will provide more simultaneous access points to the disk.
9. Diskettes may be used as coasters for beverage glasses, providing that they are properly waxed beforehand. Be sure to wipe the diskette dry before using.
10. Never use scissors and glue to manually edit documents. The data is stored much too small for the naked eye, and you may end up with data from some other document stuck in the middle of your document. Razor Blades and Scotch tape may be used however, providing the user is equipped with an electron microscope.
11. Periodically spray diskettes with insecticide to prevent system bugs from spreading.

KAWARtha KRONICLE'S

QUICK REFERENCE SHEET

** TI-WRITER COMMAND KEY OPTIONS **

COMMAND	Ctrl+ ?	Fctn+ ?
ESCAPE to MENU	C	9
OOPS!	1	
QUIT		=
back tab	T	
begin of line	V	
cursor left	S	S
cursor right	D	D
cursor up	E	E
cursor down	X	X
delete char.	F	1
delete to EOL	K	
delete line	N	3
display ln #s		0
insert blink ln	O	8
insert char.	G	2
left mar rel	Y	
new page	9 or P	
new paragraph	8 or M	
next word	7 or W	
next paragraph	4 or J	
next window		5
previous prgph	6 or H	
reformat	2 or R	
roll screen dn	A	4
roll screen up	B	6
screen colour	3	
tab left	T	
tab right	I/Z	7
word tab	7 or W	
wd-wrap toggle	0	

* TI-FORMATTER COMMANDS *

Do not enter on text lines. To enter more than one command, use a semi-colon (;) to separate, e.g..LM;.FI

left margin	.LM n
right margin	.RM n
fill	.FI
right justify -use with fill	.AD
centre on one line	.CE
centre # of lines	.CE n
lines skip	.LS n
indent from col. #1	.IN n
indent from left mgn	.IN +n
outdent from left mgn	.IN -n

The following are entered on the text line immediately in front of the text, e.g. @TITLE for bold. To print a @ or &, just type two e.g. @@. The @ and & only work to the first space they encounter. If you want to bold two or more consecutive words, replace the space(s) between them with a ^.

doublestrike	@
underline	&
space filler	^

GOODIES at good prices:

Because I need to get an exact duplicate of my home system at school (where I do half my work), and because another RAM disk for my TI is a bit beyond my funds right now, I've decided to sell a few items TO CLUB MEMBERS ONLY! These prices are not for any non-members.

~~~~~

IBM clone (1/2 meg) with two 5 1/4 drives in console. Full extended keyboard, COLOR monitor, and all cables. (Hate to tell you what I originally paid for this computer package.) Whole works: \$345. First person to call, it's yours. I'll bring it to the December meeting for you.

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Also, did you ever dream of owning one of those expensive 80-column cards? Or of having the ability to get those incredible graphics and colors that hardly seems possible? Or having 640 K built right into your system just sitting there waiting for your commands? Or having incredibly high speeds to operate your word processor or your games or spreadsheets? Or having one of those expensive full-size keyboards (with the extended key package)? Well, if you added all these things separately to your TI (640K, Mechatronics Card, RAVE keyboard, etc.) you still wouldn't have all the stuff that is built into the GENEVE (including an entire TI!) only it would run you close to a thousand dollars!

I'm letting my GENEVE go for the same price (\$345) as my IBM-clone above, about \$200 less than I paid for it. It's only been used about 30 hours. Includes the GENEVE card itself, of course, and all cables, manuals, etc., and some software, too. Again, first call, first get. Will deliver to December meeting. Members only.

>>BOTH OF THE ABOVE -\$625! I also have a couple TIMEX/SINCLAIR 1500 computers (boxed, with manuals and TV attachments). For sale at \$30 each or both for \$50. A fun computer to learn BASIC programming on, as every key has numerous uses, including graphics; playing some games (software is still available from mail order); and is ideal to use once again your old TI tape recorder. Even better if you have young kids or grandchildren. (Or if there's still a curious kid within you, although these machines were made for adults, primarily.)

>>ALL OF THE ABOVE - \$650! (Save \$300 as a M.U.N.C.H. member.)

Call me (476-7630) for any or all the above packages. (I will be upping the clone and GENEVE prices by \$100 if I have to sell them to non-members right after the first of the year.)

Thanks, Jack

note:

At our January meeting we hope to make the video for our fundraiser (as well as for a little bit of immortality). Bruce will be conducting another take apart & clean console workshop. Jack (the mad driller) will be making artistic airholes in the console. Louis will be soldering some resistors onto consoles, as well as adding items to Super Extended Basic carts, and, possibly, a 32-K to a console. Don will be showing his ingenious patchwork of electronic wizardry, as well as explaining how to tell stuff about drives (like what the difference is between double and single and showing more of the stuff he's so knowledgeable about. Corson will be filming the whole thing. Jim will be kibbutzing. Walter will lug all the club's equipment in. And all the rest of us will be on film busily taking part in one activity or another (if you'd like). We'd appreciate anyone else showing, making, improving, adding, whatevering to the TIs. All who'd like to have their consoles cleaned and/or drilled and/or whatever else, please let us know at the December meeting. We'll rough-script the January activities at the meeting.

We could also use people's help in making piles of M.U.N.C.H. banners and signs for the filming event.

I only wish we could have a warm, well-lighted, mucho-outletted room to do this one bit of filming.

Ah, well.

Please show at the December meeting to help us prep for the January fun.



Greetings of the Season

NEXT MEETING TUESDAY, DECEMBER 10, 1991 MERRY CHRISTMAS TO ALL!!!!

MUNCH OFFICERS AND NUMBERS (all in 508 area unless noted)

President	W.C. Wyman	865-9683		
Vice President	Bruce Willard	852/3250	MUNCH DUES	
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Treasurer	Jim Cox	869-2704	NEW MEMBERSHIP	\$25.00
Printing Editor	Jim Cox		RENEWAL MEMBERSHIP	\$15.00
Adv. Prog. Chair	Dan Rogers	248-5502	NEWSLETTER ONLY	
Library	Al/Lisa Cecchini		SUBSCRIPTION	\$12.50
Disk Librarian	Lou Holmes	617 965/3584		
Map Librarian	Walter Nowak	413 436/7675		
EW-AGE/99	Jack Sughrue	476/7630		

NOVEMBER MEETING. We had 15 members present at the meeting. Jack did a demo of how to configure sys. of the new Funnelweb. He also gave a preview of the December DOM which will be CSGD Labels. Corson updated us on some news about the T.I. world. Some cost cutting ideas were made such as the elimination of the P.O. box and having members pick up their newsletters at the meeting.

DECEMBER MEETING. This month will feature Jack's demo of the latest version of CSGD Labels. We will also do some planning for the repair video to be taped at the January and February meetings.

RAFFLE. Every month we have a raffle to help defer the rental cost of our meeting hall. A typical raffle will have game and utility programs T-Shirts, books, bumper stickers, blank discs and all sorts of odds and ends for the T.I.

LIBRARY NOTICE. Please return any items borrowed from our library. If you can't come to a meeting or give these items to someone who will be at the meeting.

REPRINTS. Reprints are permitted as long as credit is given to M.U.N.C.H.

ARTICLES. I am always looking for articles for this newsletter, anything which interests you will probably interest other members of the TI community, so please share your ideas and opinions with all of us.

DISK LIBRARY. The disk library will be at the meetings from now on. We have copies of all disks in the library and they are available to members for just 1.50 each for single discs, \$2.00 floppies, \$3.00 double discs and \$4.00 double floppy.

FOR SALE. The group has a TI Count Business Software package available for sale. If interested contact Jim Cox at the above number or the club address.

DISK OF THE MONTH. This month's disk is CSGD Labels which will consist of three floppies. The price will be \$5.00. The November DOM was Christmas Carols from the BC 99'ers and the game Segregation.

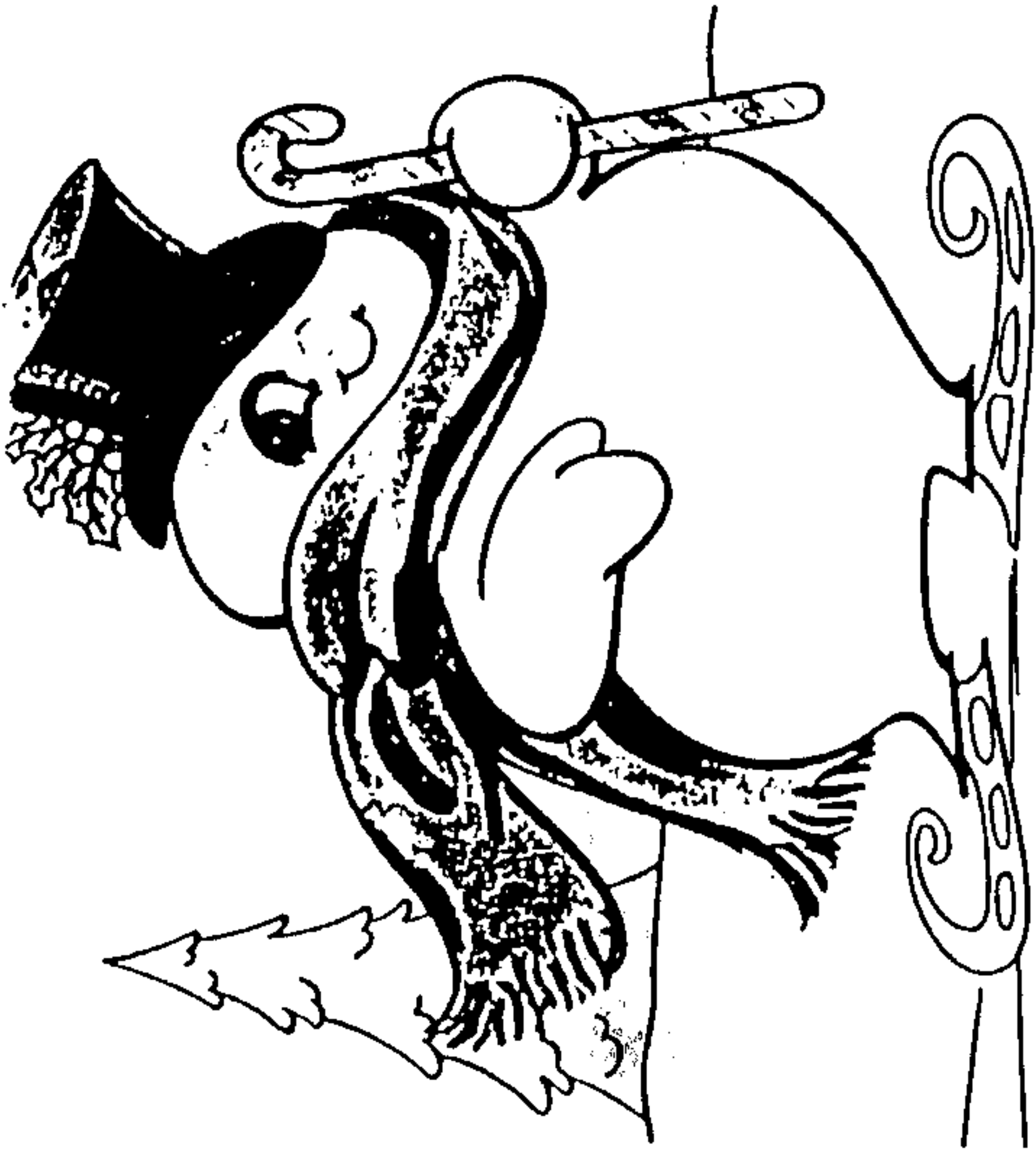
The B.C.S. has announced the date for the 1992 T.I. Fayah, it will be on Saturday April 4th at the Waltham Junior High School. Let's start to make plans now for the Fayah.

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Mass Users of the Ninety-nine and Computer Hobbyists
 DECEMBER 1991 Monthly Newsletter Version 10.12



SEASON'S GREETINGS

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FIRST CLASS

Next Meeting DECEMBER 10th
 POSTMASTER: Forwarding and Address Correction Requested.

02/92
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