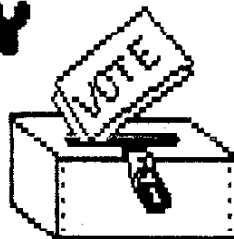


NEWJUG 99ER'S NEWS

NOVEMBER 1990



THE BIRD,
THE LEAVES
AND OUR
BOYS
OVERSEAS

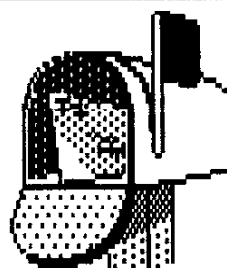


MEMZ 9 99ER'S NEWS

NEWS 99ER'S MEMZ

Highlights:

R.A.Green's Multiplan Enhancements, Page Pro Large Fonts, FunWeb v4.30, 39/4a and 9640 Vendors, BBS Scene, Joke of the Month, Newsletter Exchange, Coming Events, Editor's Forum, FONT of the Future, Hacking in 688 with Joe Ross, The Unofficial Smilie Dictionary



NEWJUG 99ER'S UG
P.O. BOX 1463
SAYREVILLE, N.J.
08871-1463

NEWSLETTER EXCHANGE

Our list of TI User groups that we exchange newsletters with continues to grow. Our list of 25+ UG's only took 5 months to compile. If your club exchanges with any UG's not on our list, we be very interested in hearing from you via the comments and suggestions on the cover page.

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Attleboro, MA 02703

North Jersey TI IBM UG
16 Judith Ann Dr.
Ringwood, NJ 07450-1563

Central Garden State UG
61 Country Lane
Hamilton Square, NJ 08600

OSSEer's User Group
c/o Frank Crotty
Queensborough Comm College
Bayside, NY 11364

LITI SEer's UG
33 Myers Avenue
Hicksville, NY 11801-2424

Twin TIers UG
c/o R. Bass
RD #1
Rock Stream, NY 14878

Pittsburg User's Group
P.O. Box 8043
Pittsburg, PA 15218

Erie SE'er User Group
2512 West 33rd Street
Erie, PA 16506

Nittany Users of TI
625 Wiltshire Drive
State College, PA 16803

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151 06-A Fredrick Rd.
Suite 136
Rockville, Md 20850

Hampton Roads TI'ers
4701 Atterbury Street
Norfolk, Va 23513

CONNI

161 Heischman Ave
Worthington, OH 43085

Greater Akron SEer's
P.O. Box 3201
Cuyahoga Falls, OH 44223

Lima SE/ta Users Group
P.O. Box 647
Venedocia, OH 45894

Great Lakes Computer Group
P.O. Box 152
Roseville, MI 48066-0152

Milwaukee Area Users Group
4122 N. Glenway
Wauwatosa, WI 53222

Siouxland SEer's
4604 Bluestem Circle
Sioux Falls, SD 57106

Kansas City TI SE/ta UG
P.O. Box 12591
No. Kansas City, MO 66416

Dallas TI Home Computer
P.O. Box 28663
Dallas, TX 75229

NetSEer HCOG
P.O. Box 534
Hurst, TX 76053

JSC TI SE User Group
c/o John Owen
2321 Coryell Street
League City, TX 77573

TI SLaves
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West Jordan, UT 84084

Southwest Ninety Niners
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Tucson, AZ 85730

Southern Nevada UG (SNOG)
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Las Vegas, NV 89126-0301

Northern Nevada 99ers
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Sun Valley, NV 89433

LA 99ers Computer Group
P.O. Box 67A79
Los Angeles, CA 90067

North County 99ers UG
P.O. Box 2500
Escondido, CA 92025

UGOC
c/o Earl G Raguse
17161 Edwards
Huntington Beach, CA 92647

T.I. MULTIPLAN V4.0

BY AUDREY BUCHER
Reprinted from the
PUG Peripheral

I just received in the mail this week, (May 1990) the new fairware enhancement of the TI Multiplan Package by R.R. Green of RAG Software. The updates have been made to the Multiplan version released by Texas Instruments to all User Groups.

The disk is a floppy and contains the standard version for those who use the MP cartridge. The flip side is for Gram devices (PGRAM or GRAM KRACKER).

Features include:

1. Almost a 50% reduction in run time.
2. Patches documented for default filenames.
3. Slight change in entering default disk, so as to accommodate Hard Disk Users.
4. An MP Startup Loader for RAM Disk or Hard Disk users.
5. Patch documented for setting screen colors.

I compared the recalculation of a large spreadsheet, using the old version and RAG's new one and did indeed find the new one to be MUCH faster.

Simply copy the files MPBASE, MPCHAR, MPDATA, MPINTR and Overlay to your old MPlan disk and you are ready to go. In an article I wrote on MPLAN in the December 1987 issue of the Peripheral, I mentioned that the time it takes to initialize MPlan and the response time when it is working with the overlay file is affected by the location of the files on the disk. I don't know if this holds true for version 4.0, however, I did copy my files one at a time in the following order, Overlay, MPHELP, MPCHAR, MPDATA, MPINTR and then MPBASE.

I really dislike white characters on a dark blue screen and always hit the space bar 11 times before loading the MPlan disk, so that I have black characters on dark blue. I wasn't pleased with that.

However, included with MPlan V4.0 is a public domain program called Ragpatch that will lay assembly patches into your program.

In his review in March MICROpendium, Harry Brashear mentioned that he had read the docs for RAGPATCHM and couldn't understand a single word of them. Needless to say, when I read the docs, I didn't understand them either.

But since the desire to change my screen colors was so great, I decided to brave it and use the Patch included on the disk. I

loaded SETUP>STD into Funnelweb and proceeded to change the screen color from F4 to 17. While I was at it, I also edited the Default drive to DSK2. I saved the file and then loaded RAGPATCH thru option 5 loader (Program file).

Presto, in a matter of seconds, the patch was made. Now I no longer need to use the space bar to obtain the colors that I want and no need to use a sector editor to permanently change the default drive.

I'm sure I will never write a patch (which is what the docs for RAGPATCH are explaining) since I don't understand assembly language. However, I was happy to have a patch available to edit and use. Also included is a patch for setting up Hard Disks and RAM Disks.

If you use MPlan, I'm sure you will appreciate version 4.0. It is available from:

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1302 Chantenay Dr.
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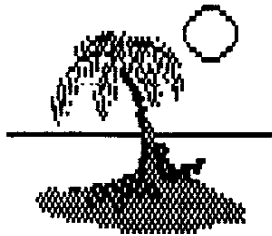
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EDITOR'S FORUM

BY DAN GRZSY

AFTER TEN MONTHS OF PRODUCING THE NEWSLETTER, I GOT SOME FEEDBACK FROM THE COMMUNITY. MOST OF YOU SEEM TO LIKE THE FORMAT, BUT ARE FINDING IT HARD ON THE EYES TO READ SOME OF THE ARTICLES. I DON'T WANT TO BE RESPONSIBLE FOR ANYONE GOING BLIND, SO THE PREFERENCE OF SMALL CHARACTER FONT WILL BE DECIDED BY THE READERSHIP. THIS MONTH'S NEWSLETTER WILL BE PRINTED WITH A VARIETY OF FONTS (ONE PER PAGE). IN FACT, I HAVE APPROXIMATELY 35+ FONTS AVAILABLE, SO I'LL TRY TO SELECT THOSE THAT ARE MOST READABLE. IN ADDITION, I'LL BE PROVIDING SAMPLES OF ALL THE FONTS AS PART OF THIS MONTH'S NEWSLETTER. IF YOU FIND ANY PARTICULAR FONT TO YOUR LIKING, LIST THE FONT NAME ON THE COMMENTS SHEET AND TURN THE SHEET IN AT THE NEXT MEETING. IF YOU CAN'T ATTEND THE MEETING AND HAVE A FONT PREFERENCE, MAIL YOUR RESPONSE TO THE CLUB P.O. BOX.

THE PAST TWO MONTHS HAVE BEEN PRETTY HECTIC FOR ME AND AS A RESULT, THE NEWSLETTER EXCHANGE HAS SUFFERED. SUMMER ISSUES OF THE NEWSLETTER WERE MAILED TO OTHER USER GROUPS IN EARLY OCTOBER. I'M HOPING THIS WILL REVIVE OUR EXCHANGE AND KEEP US COMMUNICATING.

ARTICLE CONTRIBUTIONS ARE HARD COMMODITIES TO COME BY AND I'M REALISTIC ABOUT HOW MANY I CAN EXPECT

TO SEE IN THE FUTURE. IF THERE IS A TOPIC OR PRODUCT YOU WOULD LIKE TO SEE COVERED, LET ME KNOW AND WE'LL TRY TO ACCOMMODATE. IF I HAVE SOME KNOWLEDGE OF A PARTICULAR TOPIC, I'LL TRY TO MAKE IT A REGULAR COLUMN. BEAR IN MIND, MY TIME AND RESOURCES ARE LIMITED, SO PLEASE DON'T BE SHY. MY FEELINGS WON'T BE HURT IF YOU THINK YOU CAN DO A BETTER JOB ON A PARTICULAR SUBJECT.

IN THE MONTH OF OCTOBER, I USUALLY FIND MYSELF DRIVING OUT TO PENNSYLVANIA TO ATTEND THE TI99/4A AND HANFEST IN THE HARRISBURG AREA. THIS YEAR WOULD HAVE BEEN NO EXCEPTION. I WAS DISAPPOINTED TO HEAR THAT THE SHOW WAS CANCELLED BECAUSE OF LACK OF VENDOR SUPPORT. I ONLY HOPE THAT THIS IS NOT THE BEGINNING OF A TREND. I'LL NEXT MONTH...



JOKE OF THE MONTH

BRENDA, PREGNANT WITH HER FIRST CHILD WAS PAYING A VISIT TO HER OBSTETRICIAN'S OFFICE. WHEN THE EXAMINATION WAS OVER, SHE SHYLY BEGAN, "MY HUSBAND WANTS ME TO ASK YOU..."

"I KNOW, I KNOW," THE DOCTOR SAID, PLACING A REASSURING HAND ON HER SHOULDER. "I GET ASKED THE QUESTION ALL THE TIME. SEX IS FINE UNTIL LATE IN THE PREGNANCY."

"NO, THAT'S NOT IT," BRENDA CONFESSED. "HE WANTS TO KNOW IF I CAN STILL HOLD THE LAWN."

FUNELWEB V4.30 REVIEW

By Dan Gazsy

Just when you thought it was safe to go ahead and learn all about the latest and greatest copy of FunlWeb, a newer version comes out. Actually, two revisions to FunlWeb have been delivered by Mr McGovern since my last sonfigure (This is beginning to sound like a confession!). My reasoning for not configuring till now has been: I dread the configuration process and v4.2x added little to make me want to endure the process. Much of that changed for me when v4.30 arrived. Most of the improvements in v4.30 concern the 80 column Disk Review program.

First off, FunlWeb showcases the Disk Review module by automatically invoking it when the program first boots whether you heave an 80 column card or not. If this is not to your liking, it can be disabled in the CONFIGURE process. If you don't have an 80 column card, you're missing alot. Almost all new enhancements to FunlWeb benefit the 80 column user. The Main Menu of Disk Review is fairly logical in its presentation. The major options, Disk Utilities FunlWeb Menus (1-9) Drive Selection, and 0 for Color Selection are fairly easy to negotiate.

The Disk Utilities are new to FunlWeb and add the disk formatting functions which were only available in Disk Managers. Disk validation is something that is quite useful for updating bitmaps. Most other programs I've seen only do disk validation at format time. The other two options, Rename Disk and Sweep Disk round out the available Disk functions.

FunlWeb Utilities will present both the TIWriter and Editor Assembler menus on the screen at the same time (no need to toggle). Selection of an option is performed via the E/X keys and pressing ENTER. I'm not going to review the available options since they haven't changed in quite awhile.

Color Selection is toggled by pressing the 0 key at the Main Menu. I'm not all that thrilled with the available colors, but these can be changed at CONFIGURE time. If you don't like them, change them.

Selecting a drive number will force the disk to be cataloged. This is not new, but some of the options available after the catalog are new. The tagging of files (use of the space bar) which was introduced in earlier versions has been expanded upon in this version. To tag a particular file position the cursor at the filename and press T, if you want to tag all the files press Ctrl T. To remove tags, you can use the U and Ctrl U keys. Tagging files only identifies files to be acted upon. To perform some function (Delete, Copy, Protect, Unprotect, Rename), simply press Ctrl R. Once you select an option, you'll be asked to confirm your selection by pressing fctn 6 (PROCEED). A neat feature of the copy option is the ability to specify multiple drives (up to 4). This may save you some time somewhere along the line.

Tagged operations isn't the only way to accomplish file manipulation. Individual files can be acted upon by placing

the cursor on the filename and selecting the option. Available options are Rename (Ctrl R), Copy (Ctrl C), Run Program (R), Inspect Sector (I), Print Catalog (P) or View a file (U). File viewing is not limited to only text files. With this option you can view ALL file types. For non text files, the hexadecimal data will appear on the left and the ascii code on the right side. This is similar to what is available in Disk Managers like Birdwell's Disk Utilities. Just recently, Tony McGovern put out an update to the Disk Review which permits the viewing of Myart pictures on the screen. Seeing this was available, I also checked to see if it would view GIF's too. The good news is that it knew about the GIF format, the bad news is that it told me it could not view GIF's. I also tried to have it send the Myart picture to my printer, but that was just wishful thinking on my part. Oh well, maybe in a future release.

There is one additional function available in the view option that is quite useful. In addition to viewing, you can also selectively print too. Printing should be requested after you've identified a start and an end point in you file. Also, printing is limited to what can be kept in vdp memory. If the file is larger than 64K, you'll have to use something else to print the file. This is a small inconvenience since you can view 64K of filespace and reverse directions at any time.

Now to the part that has become a royal pain. I hate to CONFIGURE the product. While it is quite versatile, it's a drag to configure it for my hardware. If it wasn't for the guide put out by the Users Group of Orange County, I'd live with the defaults. The guide appeared here in the June 90 issue of NEWJUG News and it's still valid at version 4.30. Be sure to follow the suggestions regarding backups for FunWeb. I made the mistake of using my disk before I made backups and managed to trash the disk. Live and Learn!

PAGE PRO LARGE FONTS V1.0

While looking through Asgard's Page Pro Times, I found a few articles in there which caught my eye. One in particular was called Page Pro Large Fonts. What I thought I was getting were just additional Large fonts that could be used with Page Pro. Instead, I was surprised to find two disks which contained 8 oversized fonts and 2 programs which build Page Pro picture files.

The main menu lists provides you with 4 options. Either select a program called Headline Maker, a program called Font Stretcher, catalog a disk or QUIT. The main program on this disk is Headline Maker. While the menu lists approximately 5 options, there are really only two options here. The first two options are so similar that they should be considered one option. The only difference between Making a Headline and Alternate Input is that the latter permits you to use a DV90 file for message source. All other options for the headline must be manually entered.

THE PROGRAM RUNS FROM EXTENDED BASIC (NOT MY FAVORITE APPLICATION OR UTILITY PROGRAM LANGUAGE) AND WILL DISPLAY AVAILABLE OPTIONS AS YOU ARE PROMPTED FOR INPUT. THIS IS A NEAT IDEA AND SOMETHING THAT SHOULD BE UTILIZED MORE OFTEN IN PROGRAMS. AFTER ALL THE DATA ENTRY IS PERFORMED, THE SELECTED FONT IS READ TO CALCULATE THE NUMBER OF CHARACTERS REQUIRED TO CREATE THE HEADLINE. IF THE REQUEST IS LARGER THAN THE WIDTH YOU SPECIFIED; YOU GET AN ERROR. MY PROBLEM WITH THIS ERROR MESSAGE IS I STILL DON'T HAVE A GOOD HANDLE ON THE MAX CHARACTERS FOR THE FONT SELECTED. A BETTER ERROR MESSAGE WOULD BE TO LIST THE MAX SIZE OF THE ERROR MESSAGE BASED ON THE USER INPUTS. ONCE YOU SELECT A VALID ENTRY, THE PROGRAM WILL GO OUT AND MAKE A PAGE PRO PICTURE FROM THE HEADLINE FONT CHOSEN. ACTUALLY, THE PROGRAM IS CREATING THE HEADLINE FROM A COLLECTION OF 95 PAGE PRO PICTURES ENCLOSED IN A HEADLINE FONT. A FAIRLY EASY WAY TO MAKE USE OF FONTS WHICH EXCEED THE LIMITATIONS OF PAGE PRO LARGE FONTS. THE 8 FONTS INCLUDED ON THE DISK WERE WELL DESIGNED AND THE AUTHOR (PAUL SCHEIDMANTLE) SHOULD BE COMMENDED FOR HIS ART WORK. IF THE AUTHOR WAS LOOKING FOR IDEAS FOR FUTURE VERSIONS OF THE HEADLINE MAKER, HE SHOULD CONSIDER A PREVIEW OPTION FOR THE HEADLINE ONE CREATES. THE OTHER OPTION WHICH CREATES A HEADLINE FONT IMPLIES A LOT OF WORK BY THE USER BEFORE EVEN CONSIDERING CREATING A NEW FONT. EACH LETTER OR CHARACTER THAT I WANT TO INCORPORATE INTO THE FONT MUST BE SAVED AS A PAGE PRO PICTURE AND NAMED USING SOME VERY STRICT CONVENTIONS. IF I HAVE THAT MUCH WORK TO DO BEFORE HAND, I DOUBT IF I'LL EVER USE THIS OPTION. THE AUTHOR WAS KIND ENOUGH TO INCLUDE THE _HF FILE FORMAT AS PART OF THE DOCS. I GUESS HE REALIZES THAT SOME OF US WOULD LOOK TO OTHER ALTERNATIVES TO CREATE FONTS. I'D LIKE TO SEE THE ABILITY TO ENLARGE PAGE PRO LARGE FONTS TO HEADLINE FONTS VIA A CONVERSION UTILITY. AT LEAST THIS WAY I COULD PUT THIS PROGRAM TO SOME GOOD USE AND NOT HAVE TO BE THAT ARTISTIC TO ACCOMPLISH IT. RIGHT NOW THE PROGRAM RETURNS TO THE TITLE SCREEN ON EXIT, BUT THE LOGICAL RETURN WOULD BE TO THE MAIN MENU OR LOAD PROGRAM.

THE OTHER PROGRAM, CALLED FONT STRETCHER IS PROVIDED TO VERTICALLY DOUBLE THE LENGTH OF A HEADLINE PICTURE THAT YOU CREATE. ONCE YOU SELECT A VALID INPUT AND OUTPUT FILE, IT WILL PROVIDE YOU WITH THE ROW AND COLUMN VALUES OF BOTH THE INPUT AND OUTPUT FILES AND THE ESTIMATED FILE SIZE IN SECTORS. WHILE IT'S NICE INFORMATION, I'D RATHER HAVE A PREVIEW OF THE OUTPUT FILE INSTEAD. THIS PROGRAM ALSO EXITS TO THE TITLE SCREEN INSTEAD OF THE MAIN MENU OR LOAD PROGRAM.

NOTE, THE LATEST ISSUE OF PAGE PRO TIMES FALL 1990 WAS INCLUDED WITH THE DISKS AND DOCUMENTATION FOR PAGE PRO LARGE FONTS. ON THE FRONT PAGE, WAS AN ARTICLE ON HEADLINE MAKER AND FONTS. IT READS AS FOLLOWS...

PAGE PRO HEADLINE MAKER WAS ORIGINALLY RELEASED AS PAGE PRO LARGE FONTS IN THE PREVIOUS ISSUE OF THIS NEWSLETTER. THE NAME WAS CHANGED BECAUSE IT TENDED TO CONFUSE PEOPLE MORE THEN ENLIGHTEN THEM. THIS UTILITY, AS DESCRIBED IN THE PREVIOUS ISSUE, ALLOWS YOU TO CREATE LARGE TITLING SUITABLE FOR NEWSLETTERS, POSTERS, FLYERS OR ADS AND STORED IN PICTURE FILES....

I think I spent all of ten bucks (don't quote me on this) for the program. While I wish it did more and provided me with an easy means to enlarge Page Pro fonts into headline fonts, it does come with some nice Headline fonts and I have been able to make use of them. Later on in the same article it also mentions that a disk of Headline fonts (18 to be exact) is now available too. If I ever find some spare time on my hands, maybe I'll write a utility to do some of the things I wish Headline Maker did.

MENU OF HEADLINE FONTS

APPLE PIE

"30_HF"

BAKED ALASKA

"ANTIQUA_HF"

CUCUMBERS

"BKMNI_HF"

DEEP DISH PIE

"BROWY_HF"

EGG SALAD

"HSTRIP_HF"

FRENCH FRIES

"LEDGER_HF"

GARDEN SALAD

"PRINT_HF"

HOTDOG

"SHADOW_HF"



COMING EVENTS



NOVEMBER

DECEMBER

JANUARY

NOVEMBER 3

8TH ANNUAL CHICAGO
TI INTERNATIONAL
WORLD FAIRE - 9AM -
6PM. HOLIDAY INN,
3505 ALGONQUIN RD.
ROLLING MEADOWS,
ILLINOIS. SOCIAL
MIXER NOV 2ND,
DINNER AFTER FAIRE
CONTACT HAL
SHANAFIELD, FAIRE
MANAGER, CHICAGO
TI 99/4A USERS GROUP
P.O. BOX 578341,
CHICAGO, IL. 60657
OR (708) 864-8644.
(2 TO 6PM); HOT
LINE ANSWERING
MACHINE; (708) 869
4304; OR BBS (708)
862-0182 (LEAVE
MESSAGE TO #162)

NOV 4

MILWAUKEE TI-FAIRE -
9AM - 5PM. QUALITY
INN, 5311 SOUTH
HOWELL, MILWAUKEE,
WISC. CONTACT GENE
HITZ, MILWAUKEE
AREA 99/4A USERS
GROUP, 4122 NORTH
GLENWAY, WAUWATOSA
WI 53222.

NOV 24

K GORDON PRODUCTION
PARITAN EXPO HALL,
EDISON NJ. FOR
ADDITIONAL INFO
CALL 800-631-0062

DECEMBER 15

KEN GORDON
PRODUCTION, Wm.
PATTERSON COLLEGE
WAYNE, NJ. FOR
ADDITIONAL INFO
CALL 800-631-0062

FONTS OF THE FUTURE

The following list identifies the small character font that was used with each page of this newsletter. The fonts I have available to use outnumber the pages in this month's newsletter. In addition to the page legend, I've also added samples of all the fonts I have at my disposal. If you have a preference, put the font name on the comments sheet and return it to me (at the meeting or mail it).

Page	Font	Page	Font
01	BLOCK1_SM	11	PLAIN2_SM
02	CARTOON_SM	12	RCSET1_SM
03	CHAR3_SM	13	RCSET2_SM
04	CTYPE_SM	14	RCSET3_SM
05	DATA1_SM	15	RCSET5_SM
06	FORTH_SM	16	ROMAN_SM
07	GOTHIC1_SM	17	SCRIPT1_SM
08	ITALIC1_SM	18	SLANT_SM
09	LEDGER1_SM	19	SACHARS_SM
10	PLAIN1_SM	20	TECH2_SM

BLOCK1_SM

ABCDEFGHIJ
 abcdefghij
 0123456789
 !@#\$%^&*()

BLOCK2_SM

ABCDEFGHIJ
 abcdefghij
 0123456789
 !@#\$%^&*()

BOLD_SM

ABCDEFGHIJ
 abcdefghij
 0123456789
 !@#\$%^&*()

CARTOON_SM

ABCDEFGHIJ
 abcdefghij
 0123456789
 !@#\$%^&*()

CHAR3_SM

ABCDEFGHIJ
 abcdefghij
 0123456789
 !@#\$%^&*()

CTYPE_SM

ABCDEFGHIJ
 abcdefghij
 0123456789
 !@#\$%^&*()

DATA1_SM

ABCDEFGHIJ
 abcdefghij
 0123456789
 !@#\$%^&*()

DATA2_SM

ABCDEFGHIJ
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 !@#\$%^&*()

FORTH_SM

ABCDEFGHIJ
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 !@#\$%^&*()

GALAXY1_SM

ABCDEFGHIJ
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 0123456789
 !@#\$%^&*()

GOTHIC1_SM

ABCDEFGHIJ
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 !@#\$%^&*()

GOTHIC2_SM

ABCDEFGHIJ
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GOTHIC_SM

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 0123456789
 !@#\$%^&*()

ITALIC1_SM

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 0123456789
 !@#\$%^&*()

ITALIC2_SM

ABCDEFGHIJ
 ABCDEFGHIJ
 0123456789
 !@#\$%^&*()

LEDGER1_SM

ABCDEFGHIJ
 ABCDEFGHIJ
 0123456789
 !@#\$%^&*()

LEDGER2_SM

ABCDEFGHIJ
 ABCDEFGHIJ
 0123456789
 !@#\$%^&*()

MICRO_SM

ABCDEFGHIJ
 abcdefghij
 0123456789
 !@#\$%^&*()

OUTLINE1_SM

ABCDEFGHIJ
 abcdefghij
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 !@#\$%^&*()

OUTLINE2_SM

ABCDEFGHIJ
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 !@#\$%^&*()

PLAIN1_SM

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 0123456789
 !@#\$%^&*()

PLAIN2_SM

ABCDEFGHIJ
 ABCDEFGHIJ
 0123456789
 !@#\$%^&*()

RCSET1_SM

ABCDEFGHIJ
 abcdefghij
 0123456789
 !@#\$%^&*()

RCSET2_SM

ABCDEFGHIJ
 abcdefghij
 0123456789
 !@#\$%^&*()

RCSET3_SM

ABCDEFGHIJ
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 0123456789
 !@#\$%^&*()

RCSET4_SM

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RCSET5_SM

ABCDEFGHIJ
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 !@#\$%^&*()

RCSET6_SM

ABCDEFGHIJ
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 0123456789
 !@#\$%^&*()

RCSET7_SM

ABCDEFGHIJ
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 0123456789
 !@#\$%^&*()

ROMAN_SM

ABCDEFGHIJ
 abcdefghij
 0123456789
 !@#\$%^&*()

ROUND_SM

ABCDEFGHIJ
 abcdefghij
 0123456789
 !@#\$%^&*()

SCRPT1_SM

ABCDEFGHIJ
 abcdefghij
 0123456789
 !@#\$%^&*()

SLANT_SM

ABCDEFGHIJ
 abcdefghij
 0123456789
 !@#\$%^&*()

SMCHARS_SM

ABCDEFGHIJ
 abcdefghij
 0123456789
 !@#\$%^&*()

TECH2_SM

ABCDEFGHIJ
 abcdefghij
 0123456789
 !@#\$%^&*()

TULO_SM

ABCDEFGHIJ
 ABCDEFGHIJ
 0123456789
 !@#\$%^&*()

THE UNOFFICIAL SMILIE DICTIONARY

- :-)** Your basic smilie. This smilie is used to inflect a sarcastic or joking statement since we can't hear voice inflection over Unix.
- ;-)** Winky smilie. User just made a flirtatious and/or sarcastic remark, more of a "don't hit me or what I just said" smilie.
- :-(** Frowning smilie. User did not like that last statement or is upset or depressed about something.
- :-|** Indifferent smilie. Better than a frowning smilie but not quite as good as a happy smilie.
- :->** User just made a really biting sarcastic remark. Worse than a :-).
- >:->** User just made a really devilish remark.
- >:->** Winky and devil combined. A very lewd remark was just made.

Those are the basic ones... Here are some somewhat less common ones:

- (-:** User is left handed
- %-)** User has been staring at a green screen for 15 hours straight
- :*)** User is drunk
- [:|** User is a robot
- 8-)** User is wearing sunglasses
- B:-)** Sunglasses on head
- ::-)** User wears normal glasses
- B-)** User wears horn-rimmed glasses
- 8:-)** User is a little girl
- :->-8** User is a Big girl
- :-()** User has a mustache
- :-()** User wears lipstick
- (:-)** User wears a toupee
- >:-()** Toupee in an updraft
- :-[** User is a Vampire
- :-E** Bucktoothed Vampire
- :-F** Bucktoothed Vampire with one tooth missing
- :-7** User just made a wry statement
- :-*** User just ate something sour
- :->-** User drools
- :-~)** User has a cold
- :'-(** User is crying
- :'->** User is so happy, s/he is crying
- :-@** User is screaming
- :-#** User wears braces
- :^)** User has a broken nose
- :v)** User has a broken nose, but it's the other way
- :_)** User's nose is sliding off his face
- :<)** User is from an Ivy League School
- :-&** User is tongue tied
- ==:->** User is a hosehead
- :->** User is a punk rocker
- :-<** (Real punk rockers don't smile)
- :=)** User has two noses

+--> User is the Pope or holds some other religious office
 !:-> User shaved one of his eyebrows off
 ,:-> Same thing ... other eyebrow
 |-X User is asleep
 |-O User is yawning/snoring
 :-@ User is a smoker
 :-? User smokes a pipe
 0-> Megaton Man on Patrol! (or else, user is a scuba diver)
 0 :-> User is an angel (at heart, at least)
 :-P Nyahhhh!
 :-\$ User just made an incoherent statement
 :-D User is laughing (at you!)
 :-X User's lips are sealed
 :-O User is really bummed
 <|-> User is Chinese
 <|-< User is Chinese and doesn't like these kind of jokes
 :-/ User is skeptical
 0=:> User is a chef
 @s User is pro nuclear war
 *<:-> User is wearing a Santa Claus hat
 :-o Uh oh!
 <@--o It's Mr Bill
 *::o> And Bozo the Clown
 S:I Pet smile
 S:< Mean Pet smile
 d@# Your pet beaver is wearing goggles and a hard hat
 E:-> User is a Ham radio operator
 :-9 User is licking his/her lips
 %-6 User is braindead
 E:-> User is wearing a walkman
 <:I User is an egghead
 <:-I User is a dunce
 K:P User is a little kid with a propeller beanie
 @:-> User is wearing a turban
 :-O No Yelling (Quiet Lab)
 :-: Mutant smile
 The invisible smile
 .-> User only has one eye
 ,-> Ditto, but he's winking
 X-< User just died
 @ :-> User is a wizard
 @s>>;#<>) Mega Smile... A drunk, devilish chef with a
 toupee in an updraft, a mustache, and a double
 chin

The smile dictionary actually contains about another 100 or so definitions, but a good portion of them are repetitive. By now, you should have a pretty good handle on the Smile dialect and should be able to respond to anyone conversing in such manner on any of the networks.



HACKING IN C99

BY JOE ROSS

One of the nice features of the c99 language is the ability to hard code data directly into an array at the time of creation. In the Basic language the most common method of storing array data in a program is through the use of the "data" statement in conjunction with the "read" statement in a For Next loop which loads the elements of the array. In c99 however, a loop which loads an array is not necessary if the array is a global array (an array not declared within a function). You may enter the data, separated by commas, as part of the declaration statement. In c99 there is only integer and character arrays which may be either single dimension or double dimension. A string array as used in the Basic language would be the same as a double dimension character array in c99. All arrays in c99 are stored in a contiguous block of memory that is parsed by the used of an index as in the Basic language. For actual storage purposes in the computer there is no difference between a single or double dimension array in c99. Following is a small c99 program which will demonstrate placing data in an array at the time of declaring the array.

```
-----
extern printf(); /* We will use the printf function */
                /* for some printing.                */

/* Declaring a two dimensional character (string) array
   loaded with string data. There will be five strings
   with a fixed length of 15 characters each. Each string
   will be padded on the end to a fixed length of 14
   characters plus 1 position for the null terminator added
   by the c99 compiler.
*/
char strg[5][15]=("string one   ",
                 "string two   ",
                 "string three ",
                 "string four  ",
                 "string five  ");

/* Declaring a single dimension character array with five
   elements.
*/
char ar1[5]=('A','B','C','D','E');

/* Declaring a two dimensional integer array with three
   sets of five numbers
*/
int ar2[3][5]=(1,2,3,4,5,6,7,8,9,10,11,12,13,14,15);

/* Declaring a single dimension integer array with 15
   elements.
*/
```

```

int ar3[15] = {1,2,3,4,5,6,7,8,9,10,11,12,13,14,15};

main()
{
    int x,y;

    /* printing string array . Remember all arrays in c99
       start with element 0. */

    x=0;
    while(x<5){
        printf("%d\n",&strg[x][0]);
        x++;
    }

    getch(); /* wait for keypress */

    /* print ar1 */
    x=0;
    while(x<5){
        printf("%c",ar1[x]);
        x++;
    }

    puts("\n\n");

    /* printing ar2 with 3 numbers to a line. */

    x=0;
    while(x<5){
        printf("%d %d %d\n",ar2[0][x],ar2[1][x],ar2[2][x]);
        x++;
    }

    getch(); /* wait for keypress */

    /* printing ar3 */

    x=0;
    while(x<15){
        printf("%d\n",ar3[x]);
        x++;
    }

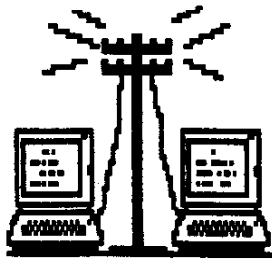
    /* To prove the storage of array data is contiguous I
       will print out the third string element of strg
       accessed by a single dimension index.
    */

    printf("%d",&strg[30]);

} /* End of program

```

The above source would be compiled with the c99 compiler and the resultant output file would be assembled with the assembler. The program created by the assembler would be loaded with the Load and Run option of the Editor Assembler along with CSUP and PRINTF libraries. The program name for all c99 programs is START.



BBS SCENE

BY DAN GRZSY

This month's edition of the *BBS Scene* had some update information on products which will be available in the near future, announcements of a few new products, changes in customer support and new revisions of old software products.

First off, let's talk about the apparent changes in the support from *Myarc*. For months, many users have been awaiting the arrival of their *HFDC* that they ordered or the upgrade to *FDC 80* track eprom. Still others had mailed in their *512K* cards to be modified to make them *Geneve* compatible. This last item is something that has been in the works for almost two years for some customers. I like others, was beginning to think that my *Myarc* products would end up in the scrap heap once they needed repair. Within the past month, there have been reports of users receiving their *512K* cards (modified), others receiving the long awaited *HFDC* (and working) and eprom upgrades for the *FDC 80* track owner. Even I got a package from *Myarc*! One would like to think this is a new beginning for *Myarc* but the following message left on *DELPHI* expresses what can be expected from *Myarc* in the future.

From: 9640NEWS To: ALL

"I just got off the phone earlier today speaking with Lou Phillips. I have some 'information' that others

may want to know.

First, Lou's place of employment has just had a massive lay-off (5000+ people). He wasn't one of them, but said that he must keep on his toes all the time and keep his nose clean to stay ahead of the others and to make sure he isn't the next employee in the unemployment line.

Second, they now have a baby boy that both Lou and his wife have adopted that they have wanted for a *LONG* time.

Third, Lou does most of the repairs of disk controllers, *rs232*'s, but send the *HFDC* and *Geneve*'s out. Progress is being made on the *512K* cards so that users can go to one meg.... and he mentioned hopefully in a week or so (these were his comments in time).

Fourth, Lou wasn't for sure when/if regarding the *Chicago Fair* and his presence. His brother and folks were going to be in town around then celebrating, etc his brother's *50th* birthday and see the baby. He said he would probably make an appearance (he would have to wait and see).

Fifth, Lou said don't look for any new hardware or major software to come from *Myarc*. Lou does not have the time to put it all together. He said he did have time for small application type coding (speeding up routines, tinkering here and there and so forth). He will still program, but don't expect a *GEME* or anything like that.

Sixth, Lou is trying, but

his time is minimal. He has commitments at work, and with his wife and baby that come first (this statement pieced together from the whole conversation).

Seventh, Lou said shipments of the Geneve were due at Triton in a week. I don't know if others realized it or not, but I think there was only 2 Geneve's left (maybe none after today) that were new and in distributor's hands. That was Dheins True Value. Backorders on several companies were noted and they were working to fill them... no timetable.

Eight, Lou did not mention any time in particular regarding HFDC shipments. I did not pursue it.

Nine, I told Lou that many people appreciate what he has done and that we understand and there are more folks out there supporting him. The voice of the minority with complaints are almost always louder than ones with compliments. I don't mean to take this away from people with valid complaints, it is just my feelings that I have.

Ten, work is being done in the positive direction towards completing the HFDC support. I can't say anything more on this at present.

Eleven, I did not ask anything regarding any CO on here or CIS. The conversation did not make it an appropriate topic.

Twelve, Lou has ideas for enhancements to the HFDC card 9640 (9958, 16/18 MHz), but they appear to be only ideas at present. Lou

has several ideas and comments on 'extended HFDC support'. Some are easy, realistic, do-able, and more. This is something that TIME will show to us."

While the prior message isn't all that inspiring for the TI community, it is probably the most honest assessment of Myarc and their potential for the future.

The next two messages come from Chris Pratt (affiliated with ESD Corp) and they concern the new HFDC soon to be available for the 4a community.

From: CHRIS PRATT (=CDP)

I am the author of the DSR, diskmanager, and setup utilities for the new HFDC that ESD Corp. is releasing. The features of the card are as follows: It can handle 4 hard disks with up to 8 heads and 1024 cylinders, and 4 floppy disks ranging from 90K to 1.44MB. It uses a Western Digital chip set (unlike Myarc's Standard Microsystems). It has an electronically erasable prom on the card which houses the DSR and setup information, this allows for easy upgrades and config. of your card without having to remove the card from the PE BOX. We have addressed the heat problems by going to surface mount extremely small footprint chips for all chips except the EEPROM. ESD has started to take orders for the card. It is \$225 for the card, software, and user manual. ESD Corp.'s address is:

P.O. BOX 23805
Washington, DC 20026-3805

Look for them at Chicago,

I'll be at their booth too. They informed me on Friday that they will start shipping on Nov. 30th.

The card uses only Western Digital drive controllers. It can handle four hard drives and four floppy drives. The will controll MFM hard drives with up to 8 heads and 1024 cylinders. It can handle either 5 1/4" or 3 1/2" floppy drives up to 1.44MB (with 18 sectors per track on the DS/DD), it can also handle 90K SS/SD. It has a total of seven (7) drive connectors on the card, one 34 pin and four 20 pin connectors for the hard drives and two 34 pin connectors (one edge connector) for easily installed internal or external floppy drives. It also uses a EEPROM for the DSR code and configuration information. I will be at the Chicago TI Faire at the ESD booth helping to promote the card. The price is set at \$225 and will be shipping in late November. If you or anyone else has any more questions please ask. Also I am planning to add some features to my disk manager and setup program in future updates such as mouse support. If anyone has any features they would like to see included my ears are open. CDP ... It does not matter if you do not hook up any hard drives.

The ESD controller does not have any conflicts with not hooking up hard drives to it, like MYARC's 45 second delay.

The card is ST506-SA 1000 compatible (MFM) and has a 5 MBITS/SEC data rate, unlimited interleave, and software selectable sector sizes that range from 128

bytes to 1024 bytes per sector. The card has been designed for the 99/4A and is 100% compatible with it. I have not yet tested it fully with the Geneve but if the Geneve is 100% compatible then it will run on a Geneve. If the Geneve has some problems with it I am sure once I get more data on the Geneve's MOOS I will be able to write some hooks for the Geneve so that it ll recognize the card properly.

The CRU address is set at 1100 and is not user selectable. This CRU addresss is the standard TI CRU address for all floppy controllers. The software comes with a backup utility used for backing up to floppy drives. I find 1.44MB floppies are very useful for backups. I am currently working on a deluxe version that will read data from the HD while simeltaneously write to the floppies! ESD is addressing theape backup via another route.

It is currntly designing a SCSI Card for the 4A and will drive more than a tape!

... first let me say that a lot of people misunderstood me when I said the disk manager would look like "Norton Utilities" (in the IBM world). Sorry for the confusion. To address your questions I can say that currently there are no comment fields for filenames. The disk manager does have other nifty features though, such as %completed bars and windows. There are also no time stamps on files. I felt it a waste of time to have time stamps on TI files. There are time and

date stamps on all backups however, and this is very useful. The controller supports all standard MFM drives and will not read as is RLL.

From: CHRIS PRATT
Sub: ESD's HFDC

"The ESD card has a special feature that allows for DSK1 emulation on a hard disk or any other drive for that matter. The way you can set DSK1 equal to a hard drive directory is very simple and can be done from the diskmanager, from Basic, or when loading through a menu program. What is done is a PATH is set for DSK1. The path can be any legal pathname such as: HD1.GRAPHICS.LOAD or HD1.FWEB or even DSK4. What the computer will do is search the path first before looking to DSK1 and if it does not find the file is similar to Myarc's DSK1 directory on the hard drive except you can choose any name or device and you can continue to change the path to a different one at will. The pathname is stored on the card's EEPROM and will stay set until you change the path again. . . You guys do not have that long to wait though.

In two weeks I will be doing a demo at Chicago and Shane Truffer [designer of the card] will be there too."

For those of you who thought that the 99/4a was only used in the US of A, think again. Beery Miller and Chris Bobbitt had an opportunity to go to West Germany for an International TI Fair and Beery left the following info.

West German Fair

From: 9640NEWS To: ALL

I'm back. I don't know if Chris has had a followup report before me or not, but the Wiesbaden-West Germany fair was very interesting.

The Europeans have one thing more going for them than the US consumers of the 4A. They are highly technically inclined. There were so many modified systems with perhaps 7+ different varieties of GRAM devices present. Plug in Gram modules with 200K + were shown working flawlessly. Almost half of the systems represented were highly modified 4A systems. Only 3 Geneves made it to the fair, and perhaps 10 other Geneve consumers. The rest were there only for the 4A and not interested in anything else.

Software wise, the Europeans lack the ready access to the US produced software, but in return, make it up by writing their own. A track copier known as CopyC, that can copy (reported) IBM/TI disks with no problem and the setting of interlace/skew were demonstrated running on a 4A with TI/CC controller (must have CC for double density).

While there, another individual was demonstrating an 80 column Fractal program (4A/Geneve) with more parameters/options/printing/tones/etc. Even an attempt at 'animating' the fractal which will amaze many people. Now if I can only figure out how to repeat the feature (fairware program, will upload as time permits, but it is in German). Also, for the Geneve 9640 owner,

the most sophisticated software package will be demonstrated in Chicago. The english conversion of text is pending along with documentation, but it will definitely beat any program out there today in capabilities. The program is called \$\$\$CRASH\$\$\$. It is a stock market analysis program (for individual stocks/trends). It can track 20 stock up to about 500 days and graphically display/print the reported data. This is an XV coordination type plotting running in MDOS and is extremely fast. Many many charts can be displayed in relatively seconds. The program was designed by a stock broker to meet his needs, and then his son wrote it. The stock broker wanted something MORE for his money than a comparable \$1000+ program for an IBM could do. An introductory price of not less than \$50 (not fixed yet, and not taking orders until it is completed). The program can also create files that are Multi-Plan compatible for data analysis if the needs are desired. Come see the demo in Chicago this year.

Also, from the same author of \$\$\$CRASH\$\$\$, another 'massive' demo will be demonstrated (and made available in 9640 News). This program will have My-Art graphics scrolling capability. I already have (with the MEMEX) 29 full screen My-Art picture in memory and scrolling them down the screen for a total of 212x29 pixel row scrolls in under a minute. Anyone using Graphics mode 9 for 256x212x256 colors will realize this speed. Even in text mode (80 column), the Geneve operating system can not run this fast in

scrolling. The program will be WINDOW's compatible. What else was at the Fair, well I saw a manual of the fully commented source code to the TI 99/8 computer, source code to the RS232 card (I think TI), the TI-Prototype GRAM Development Manual (and schematics to build one) and numerous other items. The one thing that impressed me the most was that up until about 18 months ago (I don't know if it is still continuing or not), but the Europeans had their own TI Magazine. Some of the earlier copies ('86) had prints for building your own Gram card (module type) and just about anything else you could think. My opinion, the Germans (and Europe) are more technically advanced on the TI than the U.S. They have had to hack their way into it to learn it, and they have done it WELL.

Before we close this month's column, I'd like to mention that a new version of the SMALLTALK BBS v3.3 software is now available. For those 4a owners with 80 column cards, Marty Kroll has patched the GIF VIEWER to use NTSC mode rather than PAL mode. It removes that squashed look that plagued some of the GIF's you could view. Clint Pulley has released a Directory Manager for Geneve owners and it runs in native MDOS mode. If you see the program available, you want ver 1.2 or later. Prior versions had bugs in it. I had hoped to plug Wayne Stith's latest, GEN TRI and Gary Bowser's GIZMO and TIM but this article is already much longer than I had originally intended it to be. Till next month.