NOTICES

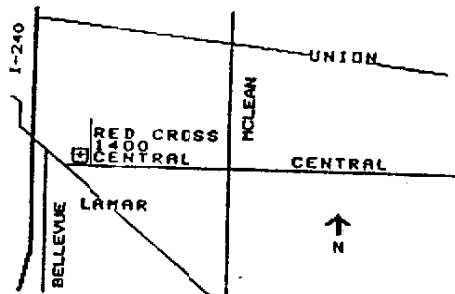**MEETING**
7:30 P.M.
Thursday, December 15th
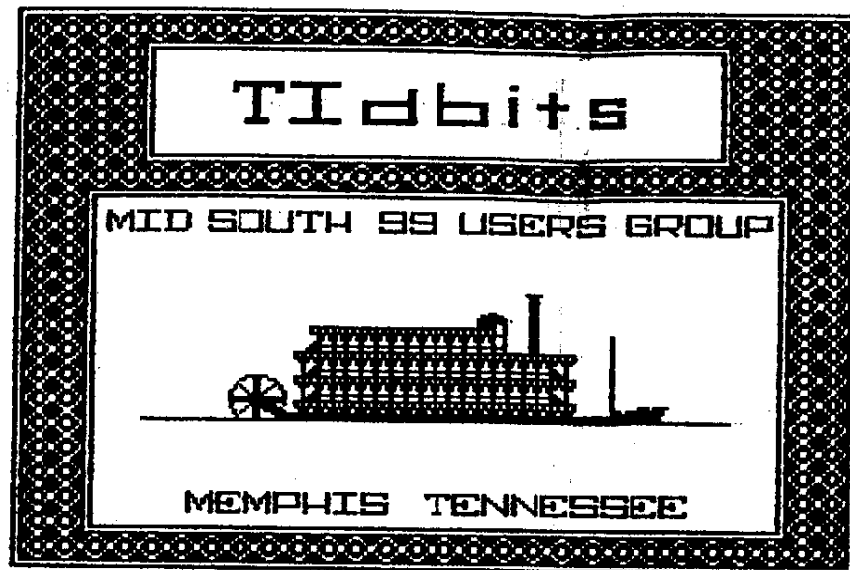Red Cross Building
1400 Central Ave.

WORKSHOP
9am till Noon
Saturday

To Be Announced

Mid-South 99 Users Group
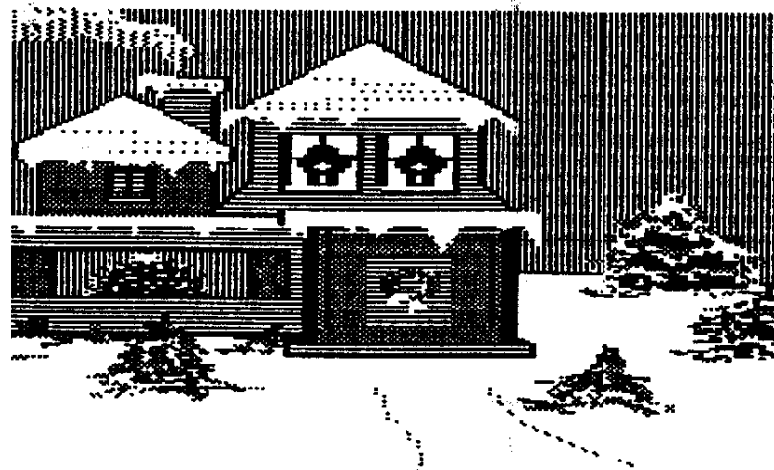P. O. Box 38522
Germantown, TN 38183-0522

UG 2/86
DALLAS TI USER GROUP
P.O. BOX 29863
DALLAS, TX 75229

TIdbits

MID SOUTH 99 USERS GROUP

MEMPHIS TENNESSEE

DECEMBER 1988 ISSUE

SEASON'S GREETINGS

TIDBITS

OFFICERS

Mac Swope	PRESIDENT	901-363-3880
Richard Hiller	VICE-PRESIDENT	901-794-9945
Gary Cox	SECRETARY	901-358-0667
Bob Jones	TREASURER	901-363-9213
Michael Dorman	Midnight Hour BBS SysOp	501-732-5126
David Ferguson	Disk Librarian	901-795-3287
Richard Hiller	CO-Librarian	901-794-9945
Michael Dorman	Editor - Newsletter	501-732-5126
Gary Cox	Program Chairman	901-358-0667
Al Doss	Information and Assistance	901-743-6781
Mac Swope	Chairman - Equipment	901-363-3880

DECEMBER 1988 INDEX

PROGRAM BIT

By Gary W. Cox

6:00pm - Doors Open.

6:30pm - Library Opens/Automated demo of Starfeet Technical Drawings (Star Trek fans will like this one!).

7:00pm - 7:15pm - Meeting begins, general discussion.

7:15pm - 7:35pm - Demonstration by James Bennington of Monopoly.

7:35pm - 8:00pm - Demonstration by Gary Cox of MaxFlix.

8:00pm - 9:00pm - To Be Announced.

9:45pm - Library closes.

Plus this month will be our usual CHRISTMAS PARTY complete with snack food and soft drinks... Feel free to bring additional food to add to ours! Plus the newsletter table will be open to view newsletters from other groups and more... Please come to the biggest meeting of the year... Have a Merry Christmas and a Happy New Year!

IN THE NEWS

By Gary W. Cox

Some confusion exists concerning the Soap Box article which appeared in the October newsletter stating that "this will be our last newsletter"... However, that statement was in reference to a few other TI user groups, not ours! It was stated in that manor as an attention getter and I guess someone read it as three people have asked me about it. Our group has plans to continue for a long time to come. Speaking of the newsletter several people each month do not receive their newsletter although all of them are mailed so if an issue ever fails to reach you just call or write and we will send another as the post office likes to use our newsletter to start fire places... Unlike some groups, who do not send a newsletter each month, we send 12 issues a year so if you are missing one just let me know...

Nominations were taken last month for MSUG officers otherwise known as victoms. So far only one nomination for each office has been made. The nominations are as follows: President - Gary Cox, Vice-President -Mac Swope, Secretary - Richard Hillier, Treasurer - Bob Jones. Additional nominations will be taken up until the meeting starts, write in votes are also allowed and voting will take place at this months meeting.

Some interest has been expressed by a few TI vendors in coming to a Mid-South TI Computer Faire. I would like to know if there is

enough interest by members and area TI users groups in attending such a faire. Only if there is enough interest will we persue such a venture so please write or call with your comments!

While at the Chicago TI Faire we received 70 disks from the Chicago TI Users Group to add to our library plus we have quite a few other Shareware and PD programs to add. David is also working on a new more descriptive listing of the library. I am sure he could use a few volunteers to assist him...

In the November 8th 1988 Commercial Appeal (a local Newspaper) a quite lengthy article appeared concerning local user groups. In particular our group was discussed in a 15 paragraph article. The article not only mentioned our group and who we are but listed meeting times. Other local groups were mentioned as well. This is one of the largest mention of user groups the paper has ever done for user groups! In all the article on user groups took up almost an entire page! Hopfully it will bring in some closet TI users.

Those who missed the last meeting really missed a good one. Allen Burkett who is responsible for some of the development in the late 1970's of some of early computer systems gave us a walk through history showing some very interesting electronic gadgets! His demonstration was followed by a Geneve/Hard Drive demo from Beery Miller. Thanks to Allen and Beery for their efforts in putting together their presentations. At the October meeting we had a complete tutorial of Funnelweb which went over quite well. So we will be trying in the future to conduct both a tutorial on some existing piece of software or hardare that many people have plus a demonstration of a new product or two to try to keep a wide variety of interest going at the meetings. Also note volunteers are still needed to fill the offices of Program Chairman and Equipment Chairman. Currently we own 3 complete systems, a huge 19 inch TV, 2 very large industrial TI printers and various other items and we need people to store these throughout the month as it is not easy for me to sleep with a keyboard! If you can be of any assistance please contact one of the officers.

This months meeting will be the usual Christmas meeting complete with all kinds of food... Plus we will still be conducting some demonstrations of products obtained from the Chicago TI Faire. It looks like this will be another great meeting, don't miss it!

Looking to the news Asgard Sofware of P.O. Box 10306, Rockville, MD 20850 (301) 559-2429 will by now have released PRESS word processor. Program sells for $59.95 plus $3 shipping and requires a minimum of 32k, disk drive and XB or E/A loader. Note that the latest Tenex catalog advertises the program for only $49.95 plus shipping.

Version 2.3 of Telco terminal program has been released. A few bug corrections have been made plus the addition of hard drive support and TIBBS Xmodem protocal..

Bud Mills Services of 166 Dartmouth Drive, Toledo, Ohio 43614 (419) 385-5946 has released the P-Gram card produced by John Guion and Robert Jones. The card allows the user to save and load

cartridges and then edit them among other features. P-Gram is simular to the famous Gram Kracker and is compatible with the Gram Kracker files. The card requires 32k, a disk system and sells for $180 (assembled) or $200 (assembled with a clock). The P-GRAM card is also available in kit form if you would like to save money by constructing the card yourself.

New from Genial Computerware of P.O. Box 183, Grafton, MA 01519 is Firstbase providing what is described as IBM style database which is easy to use. Firstbase sells for $49.95. Also new is Hypercopy, a fast copy program written by Mike Dodd for the Geneve 9640. Hypercopy is described as so fast as to copy a DS/DD disk in 55 seconds plus can copy to and from ram disks and multiple drives. Hypercopy sells for $20. Another new item is Triad which is a program combining a disk manager, text editor and terminal emulator all in one. Triad sells for $20 plus $1 shipping. The next new program is Browse, a text management program providing the easy management of text files... The program sells for $10. Yet another new program is Maxflix which will read Macintosh graphic files and convert the pictures to TI-Artist format, program sells for $15.. Furthermore, another new program is Picture Transfer for the Geneve 9640 which will transfer pictures between formats. Picture Transfer sells for $30. All programs require at least XB or E/A loader, 32K and a disk system and will run on the TI99/4a and Geneve 9640 unless noted as running only on the Geneve 9640. To receive a descriptive catalog of their products send a self addressed stamped envelope to the above address.

Mike Connel is attempting to form a Myarc Users group, those interested can write to Mike at 11011 Ellwood St., The Woodlands, TX 77380 (713) 367-1047.

The latest Tenex and Triton catalog (fall) has advertised some interesting new products. Among the new products are cartridge versions of once disk only games. Among the games is Micro Tennis (excellent!), Micro-Pinball (fantastic!), Beyond Parsec and Red Baron flight simulator. From looking at the picture of Red Baron flight simulator it appears to be the same flight simulator called SPAD XIII Mark 2 which is only available on disk. If you do not have one of their catalogs call Tenex at 1-800-348-2778 and Triton at 1-800-227-6900.

We will hopefully have reviews of many of the above new products soon both for the newsletter and at the meetings. The TI99/4a is far from dead with these and other new products coming out!

FOR SALE

(work).

Check the for sale table at each meeting for more deals...

CHICAGO TI FAIRE REPORT

By Gary W. Cox

November 12th, 1988 marked the fourth year in a row that I have attended the Chicago TI User Group Faire and in my opinion this was the best year yet! TI owners from around the globe came to this years faire. Most notably TI'ers came from Canada, Germany, Neatherlands and of course the U.S.A.

This year the faire was held in the same hotel as everyone was staying rather than the usual place of Triton College. The faire events began with the Friday night social mixer which gave TI'ers the chance to socialize with each other and discuss topics of interest. Hank Ellermann President of the Chicago TI Users Group hosted the meeting with a general introduction of TI personalities followed by a discussion concerning Myarc but most notably a discussion of the ethics of Texcomp eligibly selling Shareware programs for $4.95 each without the author's permission. Although it seems many are discontent with the ethics of Texcomp no one has reported any problems in receiving items ordered from them.

9:00am Saturday morning a long line of people waited outside of the faire exhibit floor waiting for the faire to open. Displaying at the faire was Asgard Software, B and D Computer Supplies, Bud Mills Services, Cadd Electronics, C and G drives, Chicago TI Users Group, Chicago B 128 Users Group, Competition Computer, Data Systems, Fox Valley Users Club, Genial Computerware, Genie, Delphi, Great Lakes Software, Hunter Electronics, L.L. Conner Enterprise, Micropendium magazine, Midwest Engineering Consultants, Milwaukee Users Group, Myarc Inc., National Myarc Users Group, Ottawa Users Group, Rave 99 co., Texaments, TI Users of Will County, Tigercub Software, St. Louis 99er Users Group, Genial Traveler Diskazine and catalogs from Triton products.

At 10 00 seminars began starting with a demonstration of PRESS word processor written by Charles Earl (author of Telco) and sold by Asgard Software of P.O. Box 10306, Rockville, MD 20850. Unfortunately PRESS was not ready for purchase but liked only a few weeks before it would be released. Press was described as "what you see is what you get". Thus what you see on the screen is what you get when printed. Also described as "taking all the good features from all the word processors on the market" (TI and the PC world) PRESS looked very impressive. PRESS is compatible with files from TI Writer and in fact the manual references many features from TI writer in order for the user to easily use PRESS with what is already understood with TI Writer. The program even takes advantage of whatever hardware that you own such as RAM disks, super cart, hard drive, 80 column display (will display 40 on standard 99/4a but will window to 80 like TI Writer) but will

run with a minimum of a TI99/4a, 32K and 1 SS/SD drive. Furthermore, PRESS supports MACRO's, line graphics, many different printers and has a limitless text buffer limited only by the size of storage device that you own. Also included is a built in 100,000 word dictionary with the ability to add more words to the dictionary. PRESS really does look impressive and will surely be a giant leap forward in word processors for the TI99/4a and Geneve 9640. PRESS looks in some ways similar to Telco with the same type of pull down menu's. By the time this issue of the newsletter is out PRESS should be released.

Genial Computerware of P.O. Box 183, Grafton, MA 01519 had many new products as well including a new database called FirstBase, a new high speed copier for the Geneve called Hypercopy, plus another program for the Geneve called Picture Transfer which transfers pictures between formats... Also new was Triad: a Disk Manager, Terminal Emulator and Text Editor all in one. Another new item was Browse, a new text utility to aid in the management of text files. Also on sell was the new program Maxflix which will allow the 99/4a or Geneve 9640 read Macintosh graphic files and save them in TI-Artist format as well as print the pictures to a printer. Macflix is certainly a very impressive program opening up compatibly with graphic formats besides RLE, GIF and the regular TI format pictures.

On display from Cadd Electronics of 52 Audubon Road, Haverhill, MA 01830 (603) 395-0119 was the new Gram Kracker similar device called the Gramulator. The device looks much like the Gram Kracker and is in fact compatible with Gram Kracker files. The Gramulator will allow user modifications to the TI operating system, load and save cartridges, edit cartridges programs among other features... One item that I noted about the Gramulator was the fact the battery is now on the outside of the cabinet!

Bud Mills of Bud Mills Services located at 166 Dartmouth Drive, Toledo, Ohio 43614 (419) 385-5946 was displaying their Horizon Ram Disks as well as a new device called the P-Gram card which is also a Gram Kracker similar device but in the form of a card for the PEB. Note that the PGRAM card and the Horizon Ram Disks are available in kit form if you would like to save money by putting them together yourself. I would like place a note of thanks to Bud Mills who gave our group a small donation in order to help in our costs of printing the newsletter. This guy is really someone who will bend over backwards to help out a fellow TI'er!

New from Texaments of 244 Mill Road, Yaphank, NY 11980 (516) 345-2134 is Starfleet 1, 2 and 3 which are excellent drawings of ships from Star Trek including vessels from the new and old series plus the movies. The drawings can be read by any TI-Artist compatible program. The package sells for $9.95 plus shipping and is well worth it for any devoted Star Trek fan!

From Rodger Merritt was several new programs one called Picture It which produces some absolutely fantastic banners unlike any that I have seen before. With Picture It text, pictures and different fonts can all be mixed together in all sorts of ways! Roger also sells some other interesting graphics programs. For more information write to him at 1949 Evergreen Ave. Fullerton, CA

92635. Phone (714) 990-4577.

Competition Computer of 2629 National Ave. Milwaukee, WIS. 53204 (414) 672-4010 had quite a supply of hard to find TI products plus some used equipment including such items as PEB's. consoles to name a few...

Barry Traver had a table setup selling subscriptions to Genial Traveler diskazine. Subscription is $36 for six issues... For more information write 835 Green Valley Drive, Philadephia, PA 19128 (215) 483-1379.

L.L. Conner Enterprises was displaying, among other products, the new Turbo Pascal 99. Rave 99 displayed their replacement keyboards and speech synthesizer adaptor cards. Great Lakes Software was selling all of their products at a faire discount of $10 each! Gene Chandler of Great Lakes Software mentioned to me that he is working on a new software product but did not elaborate. Genie and Delphi was also present selling subscriptions to their services as well as Micropendium was present selling subscriptions to their magazine.

Everyone was displaying products both old and new. As for those of us from our group who attended the faire (Mac Swope, Richard Hillier, Gary Cox, James Bennington, Paul Howell, Jonathan Leslie, Michael Dorman, Jim Saemenes, Jim Johnson and Jack Sorrell) spent quite a lot and brought back with us quite a load!

We also won quite a few prizes! Friday night at the social mixer Jack won some software followed again by winning more software Saturday. Saturday at the faire I won a Oscar Databar reader followed by Paul winning a book, Richard winning Browse and Mac winning a T-Shirt! Furthermore, in the Chicago UG library exchange program 70 disks of programs were given to our group which will soon be added to our library. Plus I purchased some public domain programs which will also soon appear in the library. As for new programs purchased I am not sure what all we got, some of the items include Calendar Maker, Maxflix, Browse, Hypercopy, Graphics Expander, Picture It, Starfleet drawings, Batch-It, Beyond Video Chess, Monopoly to name a few. One very neat Shareware program obtained was Animated which creates some fantastic animated graphic sequences. The public domain programs will be appearing in the library and the other programs will soon be reviewed in the newsletter and demonstrated at future meetings.

Famous TI personalities could be seen throughout the faire including Barry Traveler (Diskazine), Charles Earl (Telco), Chris Bobbitt (Asgard Software), Peter Hoddie (Geniel Computerware), Art Byers (Delphi), Scott Darling (Genie), Terrie Masters (La 99ers), Bud Mills (Bud Mills Services), Gene Chandler (Great Lakes Software), Jim Peterson (Tigercub Software) to name a few!

Although attendance at the faire was down from 700 to about 600 this year a few vendors whom I spoke with said that business was very good and in fact some even sold out of some items!

Out of all the years that I had attended the faire I think that I enjoyed this one the most. I congratulate the faire planning

staff and especially Marcy Brun (Faire organizer) for a job well done! In all I took 48 pictures at the faire! If anyone would like a copy of the pictures just call me at (901) 358-0667 and I will get duplicates made. We will have more news on the faire next month as this has been a very busy month for me...

GENEVE NOTES

By Beery W. Miller

Well, it looks like something near the final operating system for the Geneve is quickly approaching. Having previewed MDOS V1.11 and V1.14, I can say they are definite improvements over V1.06 and V1.08 we have seen. Still puzzling me is or must be, the apparent change of various MDOS XOP's in at least the video library. It is most likely a programming error in my fault, however up to V1.11, I had not encountered these problems until V1.14 was booted. What can I say? Look out for XOPS3 that will be an update to XOPS2 for the video library.

What else is happening? By the time this newsletter is printed, the first edition of "9640 News" will be in the hands of subscribers with some very interesting software. More about that next month as the surprise is for the subscribers first. Additional software has been released for the 9640 in the past 6 weeks. The addition of HYPER COPY has been a tremendous boot and I should comment that under certain conditions (user specified), great delight can come from this program. Also, it appears Tom Freeman has release DISkASSEMBLER for the 9640 under MDOS. Quite an achievement from my understanding. One last program to be mentioned is JUMP BOOT V2.0. This is a specially formatted disk with an install utility providing both rapid load (4-5 secs) for SYSTEM/SYS and quicker load (~10 seconds) for GPL. HYPER COPY and JUMP BOOT should definitely be on you Christmas list. Not discrediting DISkASSEMBLER, however it too is a fine program that will find a home with program developers. I would anticipate seeing additional programs of these high caliber as the Geneve's final operating system is completed.

One other commercial program for the Geneve should be mentioned and that is Picture Transfer. It is by Paul Charlton and is an enhancement to his GIF program. If Picture Transfer is half of any the programs Paul Charlton has released before, this should be another definite program to purchase. Many things are happening with the Geneve including enhancements we have seen such as Telco and the future Press. I personally can not see why a Geneve is not in everyone's best interest. One last comment before I leave. The Geneve 9640 can be so fast that it can read into the computer 358 sectors in 4 seconds from floppy disk. Do you know of any other computer that can match that?

IN THE MIDNIGHT HOUR

By Michael Dorman

THE ANNUAL TREK

November 11th - 13th was the weekend of the yearly pilgrimage to
Chicago. I was fortunate enough to redeem my Piedmont frequent
flyer miles for a paid TI weekend (First class round trip, free
weekend at the O'Hare Marriott, and a Hertz rental car.)

I left early Friday afternoon and had a very enjoyable flight into
Chicago (via Charlotte, North Carolina the long way around!) After
checking in to my hotel, I arrived at the Holiday Inn in Rolling
Meadows just in time for the mixer. As usual, Jonathan Leslie had
a notable 99er cornered. And, also as usual, I proceeded to join
in. This year the victim was Charles Earl, programmer of Telco
and Press. After several minutes of lively and informative
conversation, I toured the room and reacquainted myself with
several people who I know primarily from the national networks
(CompuServe, GEnie, and Delphi) and previous TI Faires. After a
short while, I decided to make an early evening since I was
staying in another hotel.

Saturday was a typical TI Faire day. Light drizzle and cold
winds. The faire itself was different. Since it was held in a
hotel for the first time, the surroundings were different. I
believe it was much nicer because attendees (most of them, anyway)
could go back and forth from their rooms to the faire. The
physical layout of the main room allowed for a more open and less
crowded feel than in previous years.

Vendors seemed to be doing a brisk business. Several important
pieces of software made their debut at the faire. Genial
Computerware introduced Picture Transfer and HyperCopy for the
9640 and Browse, MacFlix, FirstBase and Triad for the 4A.
Asgard's most anxiously awaited new product Press was demonstrated
and orders were being taken. Press, however, was not completely
finished by the time of the faire. Asgard had several other new
products as well. Another vendor, CompuDine, had several new
products that were extremely interesting. Almost all were
graphics and printer oriented.

The Myarc Hard/Floppy Controller card was not available at the
fair however. The only copy on a vendor's table was marked sold.
Evidently, the demand for the HFDC is extremely strong. Since the
HFDC was the item I most wanted to buy, I decided to buy software
with my money instead. I was also able to buy a drive case for
$10 and a printer AB switch for $8.00.

I attended two sessions Myarc's and Genial's. Peter Hoddie with
Paul Charlton and Wayne Stith introduced Genial Computerware's new
products. Myarc demonstated the HFDC card and an early version of
GEME. An attempt was made to demonstrate Advanced Basic but was
unsuccessful. Jack Riley of Myarc was available after the session
to help solve various users' problems with assorted Myarc

products.

Later that evening, the Memphis connection decided to go eat and
took off in three separate vehicles. After a semi-amusing side
trip or two, we finally arrived at a restaurant that no one had
heard of nor knew anything about. The meal turned out to be very
good and a fine time was had by all.

The next morning, at the last moment, I decided to drive to
Milwaukee. The Milwaukee fair was a much smaller, calmer event
than the Chicago fair. Most of the vendors at Milwaukee were at
the Chicago fair, but there were one or two different ones. One
of them, Computers and Crafts, was selling two Myarc HFDC cards.
Well, of course, I couldn't withstand that temptation. So, having
already spent my trip budget on software, I proceeded to buy one
of the cards! Gulp.

Since I had to catch a plane home Sunday afternoon, I could not
stay in Milwaukee long. After talking to Barry Traver for a few
minutes and buying CompuDine's Form Shop program at the last
moment, I returned to O'Hare for my trip home. I returned home
Sunday night broke but happy. Just one more year to next faire.

THE MIDNIGHT HOUR BBS

Some of you may have noticed a change in the BBS. The board is
now 2400 baud! Actually, it has the potential of being 9600 baud
(Hayes style) in the near future. My long anticipated Hayes V
Series 9600 finally arrived.

The board now has an up to date listing of other Memphis BBSs
courtesy of Gary Cox. As usual, the last month or two has seen an
increase in TI/9640 downloads. In fact, I had to decrease the
message base (it had a couple of thousand messages in it!) and
delete some older IBM and Picture downloads. In case you missed
it, the board and the MidSouth 99 Users Group were quite favorably
mentioned in the last Computer Shopper.

Another fairly new feature is the Bible door which allow searches
of any phrase or word (or combinations). Other door programs will
probably be added if I can find the time and the disk space.
Hopefully, I will find some extra time in the next month.

IS IT WORTH IT?

Every now and then something new comes along to make my system
brand new again. The joy of having a computer becomes multiplied.
Sometimes it's new software (Funnelweb, Fast Term, Telco);
sometimes it's hardware (GramKracker, ram disk, 9640.) This time
it's the Myarc Hard/Floppy Drive Controller card.

Yes, it's worth it!

The ability to have all of my most used software at hand is an
incredible gift. My HFDC (after a brief visit to Myarc for
repair) works fantastically well. Coupled with the power of

either a Gram Kracker-type device or a Geneve (better still!), the
99 joins the working world. This card (and drive) has put the
wonder of the computer back into my life.

NEW STUFF

Got lots of it! (See my comments in the Chicago saga.) There are a
bunch of really good new software out there. One of the things
that caught my eye is Form Shop by Rodger Merritt (CompuDine).
Although I have found a few glitches with my Geneve, Form Shop
runs smoothly with my 4A. Form Shop is one of those programs that
fits a need that other programs have not addressed. It's
refreshing to see a program that is not another variation on a
theme.

If you have used a printer with an IBM, you are probably aware of
the IBM extended character set. This character set allows the
easy use of line drawings and other IBM characters (like the
little faces and poker card suits.) Because of this character set,
most IBM word processors can easily draw tables, organizational
charts, and the like. Well, now this power is available on a TI
w/32K and disk drive.

The program uses the CTRL-U editing commands to redefine ascii
characters to the IBM extended character set. Since the program
comes with its own modified editor and formatter, the word
processing environment is just like the TI Writer environment. A
simple and well done idea. Highly recommended for any one with a
need for printed tables, graphs, forms, double lines, boxes, etc.

WE NEED YOU!

We need you to send us reviews, articles, programs for publication
in the newsletter. Help us out by sending us your views on
software you've purchased or by sharing tips on programming or
using programs. The newsletter reflects the interests of those
who contribute. Some of us may have interests that do not reflect
widely the interests of most of our users group. That's why we
need a variety of people to write for TIdbits.

If you have something to contribute, don't hesitate to upload it
to the board, give it to Gary or myself or mail it to me. We'd
greatly appreciate it.

WRAP IT UP

December 1988. Another year. It's been a good year for me and I
think it's been a good year for 99 users. Our "orphan" has its
own family and is still growing.

Merry Christmas to all of you, my friends. And have a great new
year!

QUESTIONS AND ANSWERS

By Gary W. Cox

When I format a disk should I verify it? Verifying the disk when
formatting (also known as initializing a disk) determines if the
disk formatted properly without any errors. DM1000 gives the user
the option verifying or not verifying by typing a Y or N beside
the Verify question. When the disk is being verifyed the computer
counts through each sector of the disk to verify that each sector
is good after being formatted. If a sector is found to be bad
(computer is unable to read and write to that portion of the disk)
that sector is locked off so that it can not be used. After
verification a 100% good disk will show 2 used on the sector
information. If a bad sector was found it would show 3 used, if 2
bad sectors were found it would show 4 used and so on. However,
note that when using the Disk Manager 2 cartridge the sector
information will show 0 used on a good disk and then 1 used for 1
bad sector and so on. 2 sectors of the disk are actually used to
store directory information (this is how the computer finds
programs on the disk). The disk manager 2 cartridge just doesn't
tell you 2 sectors are used as it says that 358 are available (on
SS/SD disks) and 0 used while DM1000 is actually providing more
correct information that 360 sectors are available and 2 used.
The amount of sectors available are still 358 for single sided,
single density disks (SS/SD).

In short, when using DM1000 if more than 2 sectors come up used
after formatting, a bad sector(s) was found on the disk. When
using the Disk Manager 2 cartridge if more than 0 is found used
after formatting, a bad sector(s) was found.

Thus it is advisable to verify a disk when formatting because if
the disk was not verifyed and later on when using the disk a bad
sector is attempted to be written to a write error may occur or
even worse data may be lost from a bad sector in which data is
written to. Since disks are so cheap now days if I find a bad
sector on a disk I usually thow that disk away as one sector could
mean that other sectors are weak and could eventually cause data
to be lost. Note that initializing the disk only takes a short
time, the verify process is what takes so long. That is why the
option to verify or not to verify was added into the DM1000
program.

One final note, Disk Manager 2 will always verify the disk after
formatting, DM1000 allows you the option of not verifying if you
are 100% sure the disk is good. Note though that if errors are
received on several disks the problem may not necessarily be a bad
disk but the drive may need cleaning or a problem may exist with
the drive itself.

HAVE
A
HAPPY
NEW
YEAR

GROUP INFO

Visitors and potential members may receive 3 free issues of TidBits while they decide if they wish to join (no obligation). On the top of your label is a code. A Y means you are a member, N means 3 free list, UG means user group and S means a business. Beside the Y is a date, one year from that date your dues are due. A dollar sign ($) on the label will indicate that your dues are due. The library is open only to members. Library list is $1. Mail order disk library access is $2 per disk max of 5 disks per month order by disk number only. At meetings, library access is FREE if you exchange your disk for ours or $1 per disk for our disks. Send all mail order library requests to librarian's address! Send dues and correspondence to group address.

CALENDAR

MEETINGS: December 15, January 19, February 16 (3rd Thursday!)
WORKSHOPS: January 28, February 25 (4th Saturday!)
c99 CLASS: Every Thursday except meeting night, location TBA.

24HR TI BULLETIN BOARD

The Midnight Hour BBS   300/1200/2400 bd   501-735-9980
Dial 735-9980 from Memphis area for toll free call.

GROUP MAILING ADDRESS

Mid-South 99 Users Group
P.O. Box 38522
Germantown, Tn. 38183-0522

LIBRARY ADDRESS

David Ferguson
3377 Creighton Ave.
Memphis, TN 38118

MEMBERSHIP APPLICATION

NAME _____ |_| $15.00 FAMILY
ADDRESS_____ |_| $10.00 JUNIOR (under 15)
CITY_____ST__ZIP____
PHONE(___)__-_____:INTERESTS_____

EQUIPMENT,ETC._____

Detach and mail with check payable to: Mid-South 99 Users Group, P.O. Box 38522, Germantown, Tn. 38183-0522.