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THE HUGGERS
HOOSIER USERS GROUP
People Helping People

March 1990

THE HUGGERS NEWLETTER

Volume 9, Number 3

MINUTES OF MEETING

The meeting was called to order at 2:35 PM. There were 14 members in attendance.

The nominations for new officers were opened. Votes were taken orally. The new officers are:

President	Dan Eicher
U-President	Delbert Wright
Secretary	Darla Wright
Treasurer	Gary McQuade
Librarian	Bryant Pedigo

At 2:45 Delbert Wright showed modifications he had made to his P-box. (hopefully an article with details is somewhere in this newsletter.)

At 3:10 an open question and answer session was held in regard to the subject of power supply changes. To the P-box.

At 3:25 Carl Clark showed us the demo of the MISSING LINK program from Texaments. It seems to be a great program and generated quite a bit of excitement of those in attendance. It was decided to post the disk on the BBS in the GRAPHICS download area so all members can try it.

At 3:40 we had several systems running different programs. Everyone went around and observed the programs and the library was open for members to obtain new disks.

The meeting broke up about 5:30. A good time was had by all and the next meeting promises to be even better.

Dan Eicher will be demonstrating how to configure the latest version of Funnelweb and other useful info about using it too.

Walter Farmer will be giving a demo also, and there will probably be a demo of TI diagnostics from the library as well.

Hope to see you all at the March 18 meeting.

—* ANNOUNCEMENTS *

Missing Link

Texaments has announced a 15% discount for group orders of 3 or more. If you would be interested in buying this program call Darla Wright at 895-1765. Orders will be taken at the March meeting also.

For those with modems there is a very interesting demo of the Missing Link available for downloading. The demo is also available in our Software Library.

April Meeting

The April meeting has been rescheduled to the 2nd Sunday, (Palm Sunday) in April because of Easter being on the 3rd Sunday. Same time, same place.

Lima TI Conference

We will have a table at the Lima Conference. We need ideas for something to sell. This will be discussed at the March Meeting.

(CONTINUED ON PAGE 3)

CREATING A NEW LINE FONT FOR PAGE PRO
BY ROGER PRICE



WHAT YOU CAN DO WITH THESE INSTRUCTIONS IS TO CREATE THE LINE FONT AS SHOWN IN FIG. 1. TAKE THE PROGRAM DISK AND COPY OFF THE FILE LNCHARS.LN ONTO A WORK DISK. CHANGE THE NAME TO BORDER1.LN. NOW LOAD A SECTOR EDITOR PROGRAM AND USE IT TO LOCATE YOUR WORK FILE SECTORS. WITH ADVANCED DIAGNOSTICS USE THE COMMAND FF BORDER1.LN. FF MEANS TO FIND FILE AND THE DISK SHOULD BE IN DRIVE 1 ONLY. IF YOU USED A BLANK DISK FORMATTED IT SS/SD, IT SHOWS THE FILE TO BE ON SECTOR 34 AND 35. IF YOU USE FUNNELWEB, SELECT #5 DISK PATCH. THEN #2 SEARCH DSK1 AND FILE IS BORDER1.LN SHOWS SECTOR 22 23. I HAVE NOT BEEN ABLE TO FIGURE OUT WHY THE TWO PROGRAMS RETURN DIFFERENT SECTOR NUMBERS BUT IF YOU STICK WITH ONE PROGRAM IT DOES NOT MATTER. JUST USE THE NUMBERS THAT IT GIVES YOU AND WRITE THE TWO NUMBERS DOWN. IF YOU USED A BLANK DISK AND ONLY HAVE THE BORDER1.LN ON IT AS OUTLINED, YOU CAN CHECK THE SECTOR IN FRONT OF 22 BY PRESSING THE FCTM 6 KEY TO CHECK SECTOR 21. IT SHOULD ALL BE E5 AND NOW TOGGLE TO SECTOR 24 BY PRESSING FCTM 4 KEY TO ADVANCE ONE SECTOR AT A TIME TO SEC. 24. IT SHOULD ALSO BE ALL E5 WHICH SHOWS IT TO ALSO BE BLANK. NOW YOU CAN SEE THAT THE BORDER1.LN FILE ONLY OCCUPIES 2 SECTORS.

EITHER PROGRAM SHOULD SHOW THE SAME ON THE TWO ORIGINAL SECTORS. BECAUSE OF COPYRIGHT LAWS, I CAN NOT SHOW OR SAY WHAT IS IN THE SECTORS. NO MATTER AS WE ARE GOING TO CHANGE THEM ANYWAY. I CAN SHOW YOU MY SECTORS FIG. 2 AND FIG. 3. NOW BE SURE YOUR FIRST SECTOR IS ON THE SCREEN AND TYPE THE NEW SECTOR CODE IN EXACTLY LIKE FIG. 2. IF YOU MAKE A MISTAKE IT WILL LIKELY SHOW UP AS A SLIGHT GRAPHIC ERROR AND SHOULD STILL LOAD UNLESS THE CODE IS NOT 0 TO 9 OR A TO F. ONCE YOU GET THE SECTOR TYPED IN, PRESS CTRL W KEY TO REWRITE THE SECTOR TO THE DISK. WITH ADVANCED DIAGNOSTICS, PRESS FCTM 9 KEY TO GO BACK TO THE COMMAND SCREEN. BEING SURE THAT THE SECTOR NUMBER YOU ARE CHANGING IS SHOWN CORRECT, CHANGE E5 34 TO WR 34 (MEANS WRITE BUFFER TO SECTOR 34) THEN PRESS ENTER AND THE NEW SECTOR YOU TYPED IN WILL BE WRITTEN OVER THE OLD SECTOR ON THE DISK.

YOU HAVE HALF OF THE BORDER1.LN CHANGED ON THE DISK. NOW GO BACK TO E5 35 WITH ADVANCED DIAGS OR WITH DISK PATCH SELECT: #1 DISK SECTOR EDITOR. DRIVE AND SECTOR NO. 23. TYPE IN THE DATA AS SHOWN IN FIG. 3. YOU WILL NOTICE THAT MOST OF THE NUMBERS ARE IN GROUPS SEPARATED WITH GROUPS OF 0'S. THE CHARACTER CODES ARE IN GROUPS OF 24 NUMBERS AND LETTERS. AT THE START OR END OF EVERY CHARACTER IS A BUNCH OF 0'S. THIS IS BECAUSE THE RECTANGLES ARE 12 DOTS HIGH AND 8 DOTS WIDE. THE BORDER DESIGNS USED ARE MOSTLY 8 X 8 LEAVING A SMALL SECTION OF UNUSED SPACE WHICH SHOWS UP IN THE CODE AS A GROUP OF 0'S. THE VERY LAST GROUP IN THE SECOND SECTOR IS NOT CHANGED AS THIS IS THE CODE FOR THE P THAT SHOWS THE SPACES RESERVED FOR THE PICTURE. A LINE IS DRAWN THRU THESE SO YOU CAN EASILY SEE WHERE THEY ARE LOCATED. YOU CAN PUT YOUR OWN DESIGN IN PLACE OF THE P BY CHANGING THIS CODE IF YOU KNOW WHAT YOU ARE DOING. IF YOU NOW HAVE ALL OF THE FIG. 3 CODE TYPED IN DOWN TO LINE 8 AND THE FOURTH BYTE (OR COLUMN FROM LEFT). THEN SAVE THIS SECTOR TO DISK AS NOTED BEFORE EXCEPT WE ARE USING THE NUMBER OF THE 2ND SECTOR OR NO. 23 WITH ADVANCED DIAGS OR 35 WITH DISK PATCH OR THE SECOND NUMBER YOU WROTE DOWN WHEN YOU FOUND THE LOCATION OF THE BORDER1.LN SECTORS. IF YOU HAVE NOW CHANGED AND SAVED THE TWO SECTORS THAT MAKE UP THE BORDER1.LN FONT, THE ONLY THING LEFT IS TO CHECK OUR WORK. LOAD YOUR PAGE PRO PROGRAM, HIT CTRL A TO SELECT LOAD ALTERNATE CHAR SETS. PRESS #1 TO SELECT LINE FONT. USE DSK1.BORDER1.LN HIT ENTER. TWO SECTORS LOADS VERY FAST. HOPE YOU DO NOT GET AN ERROR CODE. PRESS CTRL 8 TO SEE WHAT YOU HAVE. YOU SHOULD NOW HAVE SEVERAL NEW BORDERS FOR YOUR PAGE PRO PROGRAM. THESE NEW BORDERS MAY TAKE A LITTLE EXPERIMENTING TO USE SINCE THEY ARE BASED ON AN 8 X 8 DESIGN BUT THE RECTANGLE THEY FIT INTO IS 12 HIGH BY 8 WIDE. SOME OF THE PATTERNS FOR THE SIDES HAVE THE DESIGN AND THEN A RESTART OF THE DESIGN SINCE THEY HAVE TO MATCH UP ON THE SIDES. YOU MUST USE THE RIGHT ONES TO END UP WITH A CONTINUOUS PATTERN. THE CORNERS ARE KEYS A,C,D,F AND SMALL c,e,f,h. TWO OF THE BORDERS DO NOT USE SPECIAL CODES FOR THE CORNERS.

I MIGHT MENTION HERE THAT THE CODES USED ARE THE SAME AS THAT SHOWN IN THE EXTENDED BASIC MANUEL ON CHAPTER 4 PAGE 57 AND ALSO PAGE 198 USING CODES 0 TO 9 AND A TO F. THE SMALL FONT IS SET UP JUST LIKE THE LINE FONT EXCEPT MUCH LONGER. IT STARTS WITH THE ASCII CODE 32 SPACE AND CONTINUES WITH 33 AND SO ON WITH NO SPECIAL DESIGNATIONS AS WITH TI ARTIST D/V 80 FILES. THE LARGER FONT IS ALSO LIKE THE OTHER TWO EXCEPT IT USES 4 OF THE RECTANGLES PUT TOGETHER WITH TWO ON TOP AND TWO ON BOTTOM. THE ORDER THAT THE CODE IS ENTERED IS: LEFT TOP, RIGHT TOP, LEFT BOTTOM, RIGHT BOTTOM. THE CODES ARE PUT IN THE SAME ORDER AS THE OTHER CHARACTER CODES STARTING AT TOP TO BOTTOM ALTERNATING WITH LEFT THEN RIGHT CODE. IF ALL OF THE ABOVE SEEMS LIKE TOO MUCH WORK, SEND ME A DISK AND #2 OR NO DISK AND #3 AND I WILL SEND YOU THE BORDERS1.LN FONT. TO: ROGER PRICE, 1015 RIVER DRIVE, MARION, INDIANA, 46952. SINCE RECEIVING MY NEW GENEVE, I RECALL SAYING THAT PICASSO WOULD NOT WORK ON IT. THIS WAS INCORRECT. PICASSO WILL RUN ON THE GENEVE. THE ONLY PROGRAM I HAVE FOUND THAT WILL NOT RUN IS ADVANCED DIAGNOSTICS. ALSO, IT MAY NOT BE WELL KNOWN THAT YOU CAN GET BY WITHOUT BUYING A HIGH PRICED MONITOR AND STILL USE 80 COLUMNS. I AM PRESENTLY USING A 19 INCH T.V. WITH THE MODULATOR ADAPTOR AND IF YOU INDENT 5 AND USE 75 COLUMNS YOU GET FAIRLY GOOD RESULTS. THERE IS A METHOD TO ADJUST THE COLUMNS TO THE RIGHT OR LEFT WITH MYWORD. SO NOT HAVING THE FUNDS FOR A MONITOR IS NO EXCUSE NOT TO GET A GENEVE. ALSO, YOU CAN EASILY SWITCH FROM 40 TO 80 COLUMNS BY TYPING IN A COMMAND ON THE SCREEN.

WAITING FOR COSTS TO GO DOWN BEFORE GETTING A DISK DRIVE? WAIT NO LONGER! I HAVE TWO GOOD DISK DRIVES FOR \$25 APEICE. TANDON FULL HEIGHT SS/DD AND A TEAC 1/2 HEIGHT SS/DD. WILL SHIP U.P.S. ADD \$2. ALSO A NEW POWER TRANSFORMER I HAVE FOR A BACKUP I DON'T NEED SINCE GETTING THE GENEVE. \$15 TRYING TO FIND A SPECIAL CARTRIDGE OR A CERTAIN PROGRAM ADVERTISED YEARS AGO BUT NO LONGER AVAILABLE? PUT A NOTE IN THE NEWSLETTER. SOMEONE IN THE CLUB MAY HAVE THAT CARTRIDGE FOR SALE. SAME THING FOR HARDWARE, LETS MATCH UP THOSE WANTING TO SELL WITH THOSE WANTING TO BUY.



ABCDEFGHIJKLMNOabcdefghijklmnopghijklmno

Fig. 1

Side : 1 Sector : 34
Byte : 0 Display: Hex

```
003F7F606D6E646868666666800FF
FF0099666660000000000000FCFE06
B67626161666666166866666686864
6E6D607F3F0000000000000666697
00FFFF00166666616162676B606FE
FC0068666666868666666868666668
1666666161666666161666666161824
E7C3C3E724181824E7C300000000
0000000000000000C3E724181824
E7C3C3E72418000000000000000000
00000000C3E724181824E7C30000
000000000000C3E724181824E7C3
000000000000000000000000AA55
AA55AA55AA55AA55AA5500000000
00000000000000000000102050A15
2A55AA55AA55AA55AA55AA55AA55
00000000B040A050A854AA55AA55
AA55AA55AA55AA552A150A050201
00000000
```

Fig. 2

BORDER1-LN

Part 2

AFTER FINISHING THE OTHER PAGE I DECIDE TO ADD A COUPLE MORE THINGS. YOU COULD USE THE LINE FONTS FOR A THIRD CHARACTER SET BUT THEY WOULD NOT BE SAVED IN A TEXT FILE. REMEMBER DO NOT CHANGE THE LAST CHARACTER THAT MAKES UP THE "P" AND SHOWS WHERE YOUR PICTURE WILL BE LOADED. I WILL DRAW A LINE THRU IT SO YOU CAN SEE FOR SURE WHERE IT IS AT.



PAGE PRO

FIG. 3

Drive : 1 Track : 3
Side : 1 Sector : 35
Byte : 0 Display: Hex

AA55AA55AA55AA55AA55AA55AA54
A850A04080000000000000000000
0000000018183CFFFF3C18181818
3CFFFF3C181818183CFFFF3C1818
18183CFFFF3C1818000000000000
000018183CFFFF3C1818FF00FF00
FF00FF00FF00FF01001C22404040
221C000000000000000000000000
00000000FF87B7B7AFB7FFE3EBE3
EFFF000000000000000000000000
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0000000000000000000000000000
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00000000 Fig. 3

(CONTINUED FROM PAGE 1)

BBS Hard Drive

We need a Myarc MFDC card so we can permanently install a hard drive on our BBS system. Gary McQuade has started taking donations. We have \$320 so far. This is enough for the controller card, however there is still the cost of a hard drive. Donations were collected from:

- Bryant Pedigo
- Delbert Wright
- Walter Farmer
- Bob Stalhut
- John Powell
- Gary McQuade
- Jim Cochran
- Rick Kuilema
- Jerry Moore
- Bill Lucid

We are hoping that some of our other members who have not donated yet will see value in doing so. Any money collected over the cost of the controller card will go towards a hard drive.

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*****
*                               *
*   SOUTH SIDERS MEETING      *
*   SECOND-----THURSDAY    *
*   AFTER THE MEETING         *
*   MONTHLY                   *
*   CALL 888-5654             *
*   FOR LOCATION              *
*                               *
*****

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MONTHLY MEETING LOCATION
LITTLE HOUSE NEXT TO THE
ST.ANN'S SCHOOL
2839 S. McCLURE
INDIANAPOLIS, IN
MEETINGS OPEN AT
2:00 PM
MARCH 18 1989

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BBS
Hoosier Users Group
Baud rate 300,1200 & 2400
On Line 24 Hours Daily
782-994A

Now with a Hard Drive
on an experimental basis
courtesy of Gary McQuade

WHY DO I CONTINUE TO USE MY TI COMPUTER?

by Jan Janowski

Now that is a question that has started a few arguments.... I am aware that there are faster, more powerful computers. I am aware that there are not as many people with TI computers as with MS-DOS computers. So why do I keep using my TI? There are four very good reasons:

1. **The TI User Group, and the people in it.** The User Group expands your knowledge by sharing information and ideas. I know that is the case. For the first three years with my TI computer I "went it alone" without any backing of a local user group. What a waste of time! The power of a User Group is you have many people all working on their own projects, and these people discover things. It is this sharing of ideas and discoveries that make us collectively smarter. If we run into problems, we search for solutions as a group, covering much more area as a group than as individuals alone. The years I spent working on the TI computer alone were for a large part wasted time, for I was searching through problems that had already been solved. Without the User's Group behind me, I would have never developed the TI Portable, the PAL based MBP Clock, or the Eprommer mod, for I wouldn't have found out about a Ramdisk, MBP Clock, or the Eprommer.

2. **Non TI developed hardware.** If ramdisks, Hard drives, and other uniquely designed third party hardware had not been developed, I am certain that interest in our Orphaned computer would have waned. I think of the day I bought my Hamsoft insert at a Hamfest as a turning point in my personal TI history. I spent about a month repairing the broken interface card, and when I was done, I was happily typing on a TI computer, and transmitting RTTY (Radioteletype) and CW (Morse Code) to other ham radio enthusiasts WORLDWIDE. I

occasionally came across other TI computers, but in each case I found out that the people on the "other end" had no local TI User's Group nearby, so they used their TI as a tool, just like I did, but nothing more (Another example of the power of a User's Group!). It was this Ham Radio TI computer --- hardware, that opened my eyes to other projects. For example, Ramdisks have simplified our lives, and made our computers much more versatile. Hardware. That is the key to the future of our computer. The more hardware that becomes available, the more opportunities to expand and modify our individual projects. By expanding our projects our computers become more efficient. The more efficient, the more productive. We all started out saving to cassette. Remember how disk systems made you think that you never wanted to go back to cassette? Remember how Ramdisks speeded up your loading, saving? And of course if you have a Hard Drive, you probably decided that you couldn't live without it, right? I truly feel that Hardware is the key to our computer's extended life.

3. **Familiarity.** On first thought, you might think that this wouldn't have a thing to do with computers, but it does. One of the major problems facing software companies is getting a large percentage of registered software users to update to new releases of existing programs where the structure of the program is changed greatly, is overcoming the "familiarity factor" of users. This can be taken one more step, and considered on the whole, as opposed to just programs. One of the reasons that so many word processing programs abound is that people learn the one they are using, and do not want to go through the "learning process" all over again for a new program. If you are comfortable in BASIC, and you had an idea for a program, would you suddenly go to assembly language or C, or Forth if you were unfamiliar with those other languages? You probably would stay in BASIC. The same goes for computers.

You have all the documentation available for the TI. Just think of the re-learning time and effort you would need to spend just to get to where you are now... on a different computer. Not only would you need to re-learn everything all new, you would have to re-purchase like programs to the ones you already own, for the new computer, and re-learn that, too. All this is in order to continue with your existing projects. Then there is the problem of compatibility. Will your "new computer" software do exactly what your existing software does? Will it support your printer? Will the files be interchangeable? How much is your time worth? Familiarity.... It makes more sense now, doesn't it? This same argument is the reason why there are still people using Radio Shack Model III, Commodore, CPM, and other computers. Familiarity, it makes a lot of sense.

4. Cost. That is something that everyone can understand. If you have a project that at present costs you absolutely nothing, and you want to compare it against a \$1400.00 outlay that does the same thing, you have an idea of what I am talking about. If you are comparing a project that cannot be done on one computer, verses a \$1400.00 outlay, that is a different story. The biggest difference between our computer and other types would be whether a project could be done on it or not. If a project cannot be done on our TI computer there is no solution other than to consider switching. However, look into the software base for our computer. There are still software writers out there, and they are still bringing out new code. If you are comparing a \$45.00 investment in code verses a \$1400.00 investment in hardware plus "I don't know how much.." for software, which way do you go? It depends on how much you want to spend. I have contacted many hams who boast of an AT or PC connected to their ham radio, but they can't do any better job in RTTY than I can do on my TI computer except load files faster. I could

not justify a \$1400.00 (or possibly greater) expense to do the same thing that I can do on my \$80.00 investment in computer gear for ham radio. (TV \$10, Computer \$15, Interface card \$20, Software insert \$20, Cassette Recorder \$15, I borrow printer when necessary). Cost accounting on purchases is an emotional thing to do, but at the bottom line there still is that dollar figure staring up at you. Cost is a big consideration, when comparing an upgrade to an existing system.

So, why do I use my TI computer? Because it DOES THE JOB. It's:

- Efficient
- Accurate
- Available
- Easy to Use
- Educational
- Affordable (Paid for)
- Inexpensive (parts obtained inexpensively)
- Reliable
- Affordable and Modify-able (mods are relatively inexpensive)
- Improvable (extra hardware is available!)
- Good software base
- Custom software available (it is possible to get custom stuff written for you!)
- Benefit of the User Group
- Great people in the User Group
- Interaction to Ham Radio

and a heck of a lot of FUN!

DISCLAIMER

This newsletter is brought to you through the efforts of the officers and members of the HOOSIER USERS GROUP. Every member is encouraged to submit articles.

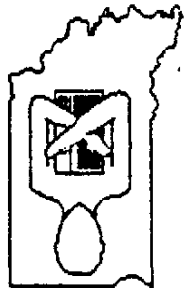
If you have an article you would like to share with the other members mail it to:

Bryant Fedigo
6461 N. Sherman Drive
Indianapolis, IN 46220

Opinions expressed are those of the author and not necessarily those of the HOOSIER USERS GROUP.

MATERIAL
March 18 1990
TIME DATED

HOOSIER USERS GROUP
P.O. Box 2222
Indianapolis, IN 46206-2222
Forwarding and Address
Correction Requested



APPLICATION FOR MEMBERSHIP

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

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

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

(Cut on dotted line)

Check One:

Active Member

New: \$20 _____
Renewal: 15 _____

Subscribing Member

New: \$10 _____
Renewal: 7.50 _____

Amount Enclosed: \$ _____

_____ D _____
S _____

Name: _____ Today's Date: _____

Address: _____ Apt. # _____

City: _____ State: _____ Zip: _____

Phone: (_____) _____ - _____

Interests/Comments: _____