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# People Helping People

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. THE HUGGERS NEWSLETTER

Volume 5, Number 4

#### OFFICER'S CORNER

The next HUG meeting will be Sunday, July 19, at St. Ann's School. There is a map on the next to last page showing location of St. Ann's School.

out-of-town members have been disappointed the last two meetings that L. L. Conner Enterprises and Electronics was not at the meeting.

Saturaday, July ii and Sunday, July 12 will be the Indianapolis Hamfest. More imformation in this issue.

I have received requests for imformation about the Horizon Ramdisk, in this issue you will find a review from Randy's Rumor Rag that was downloaded from a TI bbs, also you will find a parts list to build the Horizon Ramdisk. I have included this imformation for those that are planning to attend the Indianapolis Hamfest.

HUG is seeking donations of Educational Modules for grades 1 thru grade 6 of St. Ann's School. St. Ann's School has TI 99 4/A console only systems. This is your chance to show support of the HUG!

Here are five addresses for FREEWARE bbs programs. TIBBS Ver. 5.0, c/o Ralph Fowler, P.O. Box 383, Kennesaw, GA 30144. TECHIE Ver. 4.2, Monty Schmidt, 525 Wingra Street, Madison, WI 53715. BBS Ver. 3.0, Scott Darling, W. 5515 Woodside, WA 9920B. 99 BBS Ver. 6.0. Hoogendoorn, 21 Long Burlington, MA 01803. TICOMM II. Northwest Ohio User's Group, c/o John Clulow, 345 W. Boundary, Perrysburg, OH 43551.

William M. Lucid, V.P. Hoosier User's Group

I found this message from John Johnson on GENIE, in Cataegory 1, Topic 1, Message 725.

Ok, anyone that's having problems with Fast Term (or any other program) loading CHARA1 from ramdisk, here is the fix. Use a sector editor and find the string have found the CHARA1. You (peripherial-access-block) for loading the CHARAi program.

The DSKi.CHARAi text should be preceded by a string of bytes that look like this:

#### 0500 07FA 0000 0B00 000B

But they are not! Instead, the byte after the 05 is probably something other than 00 and the word before 0800 is probably something besides 0 too. So Zero them out as shown above and it will work fine from any drive, even a ramdisk set above CRU >1000.

(Editor's comment: Condensed message 725. John A. Johnson and Michael A. Ballmann are authors of MENU version 6.3. This version gives the user 104K, 192K, 256K operating system for the Horizon There is no software modification required for whatever the size of your Horizon Ramdisk. issue has a parts list for building the HRD, Bud Mills Services sells parts kits, his telephone number (419)-385-5946.)

# TI WRITER TIPS Dennis Sherfy

I re-entered the first time The formatting commands for a letter, I realized that there had to be a better procedure. Why re-invent the wheel each time I prepared a document. I have standardized my document format so that I always use the same left and right margins, indent the same number spacés, transliterate the same keys to produce the degree symbol and 1/2 and 1/4 which are included in my printer's special characters, and I turn on and off my printer's underlining (which is superior to TI WRITER's method of underlining). Then, I included a line that prints the date right-justified. entering After these commands and transliterations, I saved the file as XLETTER. I modified the file slightly indenting, eliminate and left-justify the date, and saved that file as XBUSINESS, since that is more of a business letter format. Now, after I enter a document, I merge the format commands with my file by entering LF (ENTER) Ø DSK1.XLETTER (ENTER). places my pre-prepared commands at the top of my document and saves me the trouble of re-typing them each time.

Your own special file might include transliterations to change from one style of type to another, or any other printer features you like to use.

#### SOUTH REGIONAL MEETING

Interest in the south regional meetings has waned during these summer months. For this reason, the meetings will be suspended until September.

HUG member reminder, ACTIVE members may advertise free in the HUGger on a space available basis.

#### FOR SALE:

Dan H. Ficher has a MYARC 512K Ramdisk expansion card for sale, priced at \$200.00.

Telephone (317)-787-4184 evenings.

# LIBRARY BITS Dennis Sherfy

SIDE\*PRINT, Version 3.4, is a FAIRE WARE program by Jim Swedlow that prints MULTIPLAN spreadsheets sideways. If you printed a MULTIPLAN ever spreadsheet, you will realize the value of this program. When you print a spreadsheet that is greater than 80 columns wide. the spreadsheet continued on the second sheet. In order to read this printout, you have to separate the sheets, and tape them together side by side. SIDE\*PRINT takes care of this problem. All characters are rotated 90 degrees and printed on your continuous feed paper for as many pages as necessary. The final printout can be read as a single, wide document. SIDE\*PRINT will also print a single page of TI WRITER text sideways, if you follow the instructions supplied with the program. Jim Swedlow promises more WRITER capability with the next version. SIDE\*PRINT is a printing utility. You do not have to do anything special when you are creating your MULTIPLAN spreadsheets. Use MULTIPLAN as the manual instructs. When you are ready to print out your spreadsheet, then you use SIDE\*PRINT. SIDE\*PRINT two type sizes, large and includes small. The large print provides easy readability. The small print, while still readable, allows you to print a large spreadsheet onto fewer sheets. At work, I use Lotus 123 on an compatable computer, a program that can produce two million cells. I use a sideways printing program to produce readable results. Without such a program, the printout would be very difficult to use. With SIDE\*PRINT, you have a similar capability with the TI computer. SIDE\*PRINT will work with the following printers:

Gemini 10X Panasonic KXP-1091 EPSON Axion GP550TI Tandy DMP 105 130 Okidata 92, 93, 182 Gorilla Bananna HP 2225C Olivetti PR2300 PROWRITER This program is available in our library. If you use it, the author asks for a payment of up to \$10.00. It's a good value.

## DISK CONTROLLERS AND COMPATABILITY by: Paul E. Scheidemantle and P and A SOFTWARE

One of the common questions that i'm always asked is......... If I get this particular disk controller will it be compatible with one or the other of the others??? Well hopefully this article will help remove those doubts and be of help in clearing up alot of missinform— ation.

All of the disk controllers listed below will initialize single or double sided diskettes provided you have a drive or drives with these features. Next the problem is compatiblity between the different densities. Shown below is the basic information on each of the major controllers so that you can see what is compatible with what.

One quick note on the Ryte Data chips is that to my knowledge they are not compatible with any of the controllers listed below because they require 80 track drives. You get 1440 sectors with these chips installed in your Texas Instruments disk controller by initializing double sided single density on 80 tracks.

Myarc: ----- Inilializes Single or Double Density 9 sectors per track (40 Track) in single density format and 16 or 18 sectors per track in double density format. This diskette can be read and written to by both Corcomp \* and Myarc Control cards, or the TI control card providing that the disk is single density format and either single or double sided (again you must have a drive to match).

\* Note that if the diskette has been initialized as double density in the 16 sectors per track mode it is compatible ONLY with the MYARC controller!

# DEFINITIONS: -----

SSSD = Single Sided Single Density SSDD = Single Sided Double Density DSSD = Double Sided Single Density DSDD = Double Sided Double Density T = Texas Instr. disk controller C = Corcomp disk controller M = Myarc disk controller

| FORMATS:                                         | T | С     | M             |
|--------------------------------------------------|---|-------|---------------|
| SSSD: 9 Sectors per track<br>Tracks 360 Sector   |   |       | o 40<br>total |
| SSDD: 16 Sectors per track<br>Tracks 640 Sector  |   | _<br> | o 40<br>total |
| SSDD: 18 Sectors per track Tracks 720 Sector     |   |       | o 40<br>total |
| DSSD: 9 Sectors per track<br>Tracks ?20 Sector   |   | 0     | o 40<br>total |
| DSDD: 16 Sectors per track<br>Tracks 1280 Sector |   |       | o 40<br>total |
| DSDD: 18 Sectors per track Tracks 1440 Sector    |   |       | o 40<br>total |
|                                                  |   |       |               |

FOR SALE: TI 99 4/A B/S console, P-Box, TIRS232, TI 32K, TI DISK CONTROLLER, MBF A/D CARD, TI P-CODE CARD and P-CODE dev. software, TI Shugart, internal drive. Plus assorted software on disk.

Selling as a package, send your best offer to:

William M. Lucid 6005 Elaine Street Speedway, IN 46224-3032 or

GENIE mail to: SPEEDWAY.500

99 FORTRAN from LGMA Products A Review of First Impressions by Ralph Landrum. HUG member

I recently bought the LGMA 99 FORTRAN package that is advertised in the new TENEX catalog. So far I've studied the manual and compiled and linked the example programs that come with the package. It is well planned for the user. The manual is well written. It will be clear to anyone the least bit familiar with FORTRAN at any level. It is clearly meant for people who use the TI99 in XBASIC, but who want compiled versions of their programs. Assembly language programmers can also use internal TI99 subroutines and their own assembled code within the structure.

#### WHY FORTRAM?

FORTRAN has a conversational syntax like BASIC, and is therefore easier to use for me than A/L or C. In fact, the LGMA package is actually a combination of BASIC and FORTRAN II, being a subset of FORTRAN 77, rather than FORTRAN IV as advertised. I am familiar with (though not a trained programmer in) several forms of BASIC, FORTRAN II, and IV.

FORTRAN uses true subroutines, which I need in what I want to do with a computer. XBASIC uses true subroutines also.

FORTRAN is a compileable language. I want to be able to compile to machine language for speed. BASIC is compileable in some versions ( for example IBM PC), but noone has brought out a good compiler, using true subroutines, for the TI99.

SO, FORTRAN could let me have a more familiar language, using true subroutines, but compiled for operating speed.

THE LGMA 99 FORTRAN Package

LGMA Products, Box 210, RD4,

Apple-Butter Hill Road, Coopersburg, PA, 18036, is a company unknown to me. Alan L. Beard signs letters for them. Their 99 FORTRAN package was advertised in the latest TENEX catalog for \$49.95. The package comprises two disks of ver. 2.1.3, and an excellent manual.

One disk has the boot (in E/A, M/M, BASIC, or TIW); the Full-screen Editor, Optimized Compiler, Linker, Debug, and example programs. The second disk has an excellent object module library with 78 functions and subroutines, including math functions (both single and double precision), and all the graphics and sound functions of TI BASIC. Included are: CHAR, CHARPA, COLOR, DELAY, DELETE, DELSPRITE, FILES, GCHAR, HCHAR, JOYST, KEY, MAGNI, MOTION, POSITI, SCREEN, SET32, SET40, SOUND, VCHAR, WAIT.

I find the manual to be VERY well written and organized. Ιt explains for average things simply very programmers like me, but it also goes into detail for those excellent systems programs who will want to use internal subroutines of the TI99 roms, or want to add their own assembled routines to the library. Of course, you can write functions and subroutines, FORTRAN compile them, and add them to the library. Whoever did the manual must be an expert programmer AND user.

Your system requires 32K, at least one SSSD disk drive, and E/A, TIW, XBASIC, or MM.

Remember that this FORTRAN is a SUBSET of FORTRAN 77, with a few extra features. For example, it does not support the ENTRY statement of FORTRAN 77, but it does support the DOWHILE statement form PASCAL-- NOT FORTRAN 77. It is a subset in other ways, of course, being shoehorned into a small computer. Its program limit it 2 segments of BK each. Integer constants take 2 Bytes as do logical constants. Single- precision constants occupy 4 Bytes, while Doubleprecision ones occupy 8 Bytes. author includes a section of the manual explaining various tricks of the system to save space.

#### IS THE PROGRAM WORTH THE MONEY?

If you are comparing the too cheap cost of the programs from Clint Pulley, and FREE heart the and from the contributions of Warran Agee, Ron Albright, and many others who gave and taught us our c99 language, then you will look at \$50 as a lot. However, because of the quality of work, the completeness, and comparison with the cost of other commercial programs, I find it reasonable.

I have not tried to program and run benchmarks against other programs, nor have I yet tested the optimizer by comparing routines like double-nested DO LOOPS compiled from source and written in assembler, but my elation in finding the system to be 77 instead of IV, the first programs I've compiled, the obvious effort of the author to make the system comparable to the XBASIC system we know with graphics and sound, and the excellent manual make me vote overwhelmingly YES, the program is more than I expected, and worth the money.

DijiT Systems. the San Diego company that brought professional quality RGB display to the TI-99/4A. introduced its latest product at the 99/FEST-WEST/87 in Los Angeles: Advbanced Video Processor Card. AVPC fits into the Periphael Expansion Box and is compatible with existing TI-99/4A software. It features column text and advanced graphics with up to 512 colors. The AVPC also supports Mouse and Light Pen inputs. The DIJIT Systems card contains 192K of video RAM and is designed to work with the "DIJIT-EYEzer", an external Gen-lock and video digitizing accessory. It will allow titling and graphic overlays on home videos as well as computer manipulation of external video images. Systems AVDP gives the DIJIT T1-99/4A video processing power . comparible with the Atari ST and the Amiga. The product is scheduled for release in August for \$195.00.

DIJIT Systems 4345 Hortensia Street San Diego, CA. 92103 (619) 295-3301

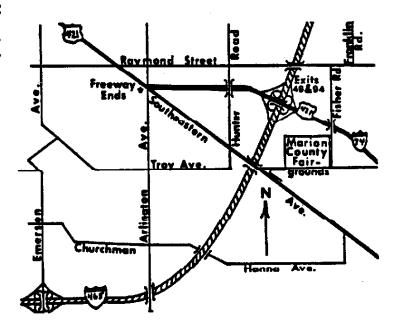
#### INDIANAPOLIS HAMFEST

The 17th annual Indianapolis Hamfest and Indiana State ARRL Convention will be saturaday, July 11 and sunday, July 12 at the Marion County Fairgrounds in southeastern Marion County.

The saturaday gates open 6:00 am and close at 5:00 pm. Sunday gates open 6:00 am and close 4:00 pm. Admission: Registration (required by everyone) is \$5.00 per person.

#### DIRECTIONS

Map represents I-465 in southeastern Marion County at the I-74 and Southeastern Avenue Exits. Take Southeastern Exit west and follow the small green signs saying: "Marion County Fairgrounds."



CHECK mail label on this newsletter for either a RED or YELLOW highlight mark. RED indicates this is your last newsletter, until your renewal is received. YELLOW indicates you will receive one more issue, before receive issue with RED highlight mark.

#### NEW HORIZONS RAMDISK

I've held off buying anybody's RAMdisk for some time now, because I wanted to make sure I got the one that would do the job. As those of you who read the RaG faithfully know, I am less than enthusiastic about Myarc products. 'I first saw their RAMdisk demo-ed by a dealer and was very impressed with the possibilities that a RAMdisk offers. My concern with the Myarc product comes with compatibility (as is the problem with all Myarc products). Also, I have heard reports that sometimes, random bytes will get changed, reset switches will cause the RAMdisk to get screwed up, and most importantly, when you power the computer down (turn it off), you lose the contents of the RAMdisk. In fact Myarc does not sell an AC power will although the board supply They won't even accomodate one. guarantee that that feature of their card will work if you use a 3rd party's Anyway, I decided to go power supply. with the New Horizons project. The New Horizons team is composed of three very sharp individuals. Ron Gries seems to be the techie of the bunch. He knows all the technical information about the card that anyone could ask. David Romer is the person who is handling shipping and orders on the card. He is also quite knowledgeable in t.he technical end of things. And John Clulow's fame in the TI world goes way The first project that these three developed was the TI Comm BBS This was a bare-bones BBS program that was widely distributed to UG's across the country and it was intended to allow a user group to have a BBS at a very affordable price. The second project was what we now call the Supercart. This is an Editor/Assembler module that has been modified to allow an extra 8K of memory in the cartridge. The fact that TI enthusiasts all across the country are selling and buying old cartridges for use in Supercart projects is testimony to the popularity of the Their third project is their RAMdisk. I suppose I should start with all of the technical specs before getting down to a hands-on review. The card is available in two configurations, as a single-sided or double-sided card;

that is the card will emulate either a SS or DS disk. The card is compatible with any software or language that uses a standard TI DSRLNK. This includes copy programs, DM-1000, Disk Manager II, Explorer, languages like Basic and Extended Basic, TI-Forth, TI-Logo and assembly language. The card is not compatible with p/code. This is the only battery-backed RAMdisk, using NiCad batteries that charge when your system is on. The card features several CALLs which I will explain later. You can set a DIP switch to allow CRU addressing from >1000 to >1700. You also get the complete DSR source code, documentation that tells how to add your own assembly CALLs, a separate manual that details all DSR routines, development software, the most thorough documentation anyone could ask for. The card is available as either a pre-assembled unit or you can buy just the card assemble it yourself. I opted for the do-it-yourself approach, so let's start with the actual construction.

#### \*\*\*\*\*\*\*

When you buy the bare circuit board you can scrounge your local area for the necessary parts or you can order the complete package of parts from the dealer that New Horizons buys their parts from. Since I live in Podunk, I ordered the parts for a double-sided kit began construction. and Having assembled numerous Heathkit and other electronic kits, I had a fair amount of experience soldering and identifying parts. I would not suggest this kit for someone who has never built an electronic kít. The assembly instructions were OK, but you need to in soldering. have some experience Also, you will need to know a resistor from an IC chip and one kind capacitor from another. The board is laid out pretty clean, and assembly is no problem. All ICs use sockets, so you don't have to worry about frying a chip. Once the board has been loaded, there are a couple of diagnostic procedures using the supplied software that must be performed. Since I had bought the DS version, once the card checked out in 55, I had to remove ii chips and solder another ii chips in a piggyback fashion. I am not a real fan of directly soldering chips, but Ron Gries says they

haven't had anyone burn one up yet. You then connect a jumper wire from each of the piggybacked chips to a terminal block (presumably so the RAMdisk software knows where things are at). Once you have done all this then you run the diagnostics again. The diagnostics writes certain numbers in a particular fashion to each chip to make sure all is Soldering seems to very critical when piggybacking the chips!! If your memory test is OK, then it's time to load the operating system. Any Dis/Fix 80 loader will work, and this is the set of instructions that tell the RAMdisk what's going on. Once the card has the ROS loaded (Ram Operating System), then disk manager program to any initialize the card as you would a floppy. DM-1000 is supplied as the resident disk manager, but Disk Manager II will also work. In fact, once you have initialized the card, use the DM II's comprehensive disk test to make sure everything is OK. If it makes it through that test, then the boys at New Horizons tell me you should have no Apparently, one of the tests problems. solder with DM II will find poor connections in the piggyback chips.

\*\*\*\*\*\*\*\* OK, you've built the card, loaded the operating system, and initialized the RAMdisk. Now what do you do with it? If you put the MGRi and MGR2 files for DM-1000 on the RAMdisk, you can do a CALL DM from command mode of Basic or XB and it will call up the manager program in just a second or two (depending upon what drive # you have specified for the RD). Although I am not a real fan of DM-1000, it seems to work quite well with the RAMdisk. The version supplied is Version 2.3, but I understand that they have a newer version they are modifying and will update owners as it is ready (what is needed is to allow accesses up to DSK6). CALL DN(n) will let you specify the drive number you want the RAMdisk to be. The number can be anywhere from 1 to 6. CALL WO (and WF) turns on write- protection for the RAMdisk just as you would put tape over the notch on a floppy. CALL EX(adr) lets you transfer control of a BASIC or XB program to a specfied address in CPU. This CALL uses decimal values like CALL LOAD. For example, since the power-up routine starts at >0024, you could execute it with CALL EX(36). CALL CO (and CF) enables the ROS and allows direct access to 6K of the operating system software. This is for all the hackers out there who want to get into some of the technical aspects. CALL NF(n) will set the number of floppies in your system. You will not normally use this command, but if you have set the CRU address at anything but >1000, this command is necessary. By setting the CRU address at >1000, the computer will scan the RAMdisk before it gets to the disk controller. If the CRU base is not >1000, the Basic and other programs addressing disk drives can access the RAMdisk only when its number is greater than the maximum number of drives the disk controller can access (3 for TI and quite 4 for CorComp). It's really simple. The only command you'll probably use is the CALL DN for drive

#### \*\*\*\*\*\*\*

how does it work with various programs? Will it work with....? I have a rether extensive software library, so I set out to find out what this thing won't work with. The list is quite small. The card will not work with the CorComp manager, not because there is anything wrong with the card. but CorComp cheated when they because designed the hardware/software package. This is of no great concern since DM-1000 works so well. Some of the and quick-copiers work some don't....you'll have to try favorite and see. It all depends upon how the software was written. I was not able to do disk accesses with MG Diagnostics, but it may be because of my CorComp controller. Other than these two things, everything seems to work (try that, Myarc). You can treat the RAMdisk as you would a floppy by opening and closing files, reading files, storing programs, etc. For those of you Multiplan, load the Multiplan files into the RD and use TIMP for a diskname (and designate the KD as #1 to make things faster). When you hit ENTER to load Multiplan, it takes about 3 seconds to load!!! Now that's fast compared to about 20 seconds from a floppy. Anything you can do with a floppy, you can do with the RAMdisk.

You will find that program image files load like lightning. I use my RD for storing the files for the GRAM KRACKER carts I use all the time like TI-Writer and Extended Basic. Going from the GK to the RD with those program image files is VERY fast. I have had my RAMdisk for several weeks now, and have had no problems with it. And since the memory is backed up by a battery, you can turn off your computer for weeks (or even a couple of months) and the card will still retain whatever you put into it. Granted, 180K is quite a bit less than 512K, but I'm willing to sacrifice size for compatibility. I also tried the RD in my BBS and you won't believe how fast it will make your BBS run. I know you're interested, so here's the prices:

Horizon Computer Limited Box 554 Walbridge, Ohio 43465 Bare board: \$53 Assembled DS 192K \$210 Assembled SS 104K \$165

These parts are available from:
Bud Mills Services (419)-385-5946
i66 Dartmouth Dr.
Toledo, Ohio 43614
Parts for DS: \$110 No bare board
Parts for SS: \$80 No bare board
Expansion kit: \$27 Takes DS to 256K

Just a couple of notes in closing on the RAMdisk. Designate the RD as drive #1 and load spellchecker and all the dictionaries into it. Since the program is in program image form, it loads almost instantly. The program goes throught the dictionaries much faster without having to read a floppy. Put your TI-Writer files on the RD and the Editor and Formatter will load in about a second and a half. I use the GRAMdisk feature of GK to do this, but I know that not everyone has a GK (tsk, tsk). Before you load the operating system, the RD doesn't know how to do anything. It is possible, therefore, to write an operating system that would let the RD become a print spooler for example. would not be surprised if someone does this within the next few months. The possibilities are quite varied for a piece of hardware like this, we'll just have to wait and see what will happen.

# Parts list for HORIZON RAMDISK

| an. | Part Num. |                        |
|-----|-----------|------------------------|
| 1   | 7805      | +5 Voltage Reg. IC     |
| 1   | 74L502    | NOR Gate IC            |
| 3   | 74LS138   | i-8 Decoder IC         |
| 1   | 74LS154   | 4-16 Decoder IC        |
| 1   | 74LS156   | Dual 2-4 Decoder IC    |
|     | 74L5244   | Octal Driver IC        |
| 1   | 74L5245   | Octal Bus IC           |
| 1   | 74LS259   | 8 Bit Latch 1C         |
| 13  | 6264LP15  | Static Memory IC       |
| i   | 14 PlN    | Low profile IC socket  |
| 6   | 16 PIN    | Low profile IC sockets |
| 3   | 20 PIN    | Low profile IC sockets |
| 1   | 24 PIN    | Low profile IC socket  |
|     | 28 PIN    | Low profile IC sockets |
| i   | 2N2222    | NPN Transistor         |
| i   | 1 N4001   | Rectifer diode         |
| .3  | 1 N914    | Switching diodes       |
| 4   | 1 N34A    | Germanium diodes       |
| 1   | LED       | LED [Green] #MUST*     |
| 1   | LED       | LED [Red]              |
| 1   | SWI TCH   | 8 Pos. SPST Dip switch |
| 3   | AAA       | Ni-cad batteries       |
| 3   | AAA       | Single battery holders |
| _   | 1 ØK      | Resistor 1/4 W. 5%     |
| 7   | 2.7K      | Resistor 1/4 W. 5%     |
| 1   | 470       | Resistor 1/4 W. 5%     |
| 2   | 270       | Resistor 1/4 W. 5%     |
| 1   | 30 or 33  | Resistor 1/4 W. 5%     |
| 1   | iuf       | Capacitor tant.        |
| 3   | 10uf      | Capacitor tant.        |
| 24  | .iuf      | Capacitor [bypass]     |
| 1   | Heatsink  | TO-220                 |
|     |           |                        |

# Parts for 104K Single-sided board

11 6264LP15 Static Memory IC

#### Parts for 192K Double-sided hoard

| 1 | 74LS154  | 5-16 Decoder IC  |
|---|----------|------------------|
| 1 | 74L502   | NOR Gate IC      |
| 8 | 6264LP15 | Static Memory IC |

### Additional parts for 256K Expansion

[Total 6264LPi5's for 256K is 32 chips.]

The 6264LP15's are static sensitive devices, these parts are the heart of the Horizon ramdisk and require much of the labor time building the project. Exercise your best judgement in selecting a vendor for the 6264LP15's.

#### HOOSIER USERS GROUP DIRECTORY

#### **OFFICERS**

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Bill Lucid (317)-291-3995
GENIE MAIL SPEEDWAY.500

#### MONTHLY MEETING LOCATION

ST. Ann's School 2839 S. McClure Indianapolis, IN

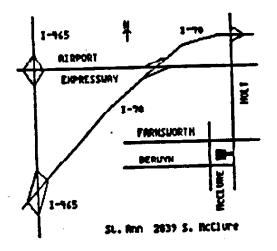
Meetings open at 2:00 PM

#### NEWSLETTER EXCHANGE

The HOOSIER USERS GROUP is participating in a Newsletter Exchange program with other TI Users Groups. This offer is made with the understanding that, with proper credit, your Users Group can reprint articles from the HOOSIER USERS GROUP Newsletter, and with proper redit, we can reprint articles from other TI Users Groups Newsletters.

#### PRINTOUTS

Library listings can be ordered for \$.25 6 X 9 self addressed envelope with \$.66 postage. The HUGbbs Reference Guide can be ordered for \$.50 and a 4 X 9 self addressed envelope with \$.22 postage. Please send orders to our P.O. Box. SORRY, PRINTOUTS WILL BE SENT TO ACTIVE MEMBERS ONLY.



#### HUGbbs INFORMATION

317-631-994A 300 baud only The HUGbbs is on-line 24 hours a day.

SPONSOR THE HUGbbs: Any member or retail business can sponsor the HUGbbs. For \$5.00 donation, you get 5 (40 column) lines on the Log-on Title Screen for a week (or for a \$10.00 donation, you get 10 (40 column) lines plus a 24 line by 40 character ad in the Sales option of the file module. To sponsor the HUGbbs, send a check or money order to our P.O. Box (or turn in at our Monthly meeting) specifying how many weeks (and how many lines) you want to sponsor, your name (or company name), address, phone, what you want to say, and the week (and an alternate week) you want the ad to appear.\*

#### BACK ISSUES

Back Issues purchased at the monthly meeting are \$1.00 each. Mail order price is \$1.50 per Newsletter (postage included). Orders will be filled within 3 weeks of receipt.

# ADVERTISING POLICIES

There will be no charge for advertisements submitted to the HUGger Newsletter by members (for private sale only). Format for the advertisements is 45 characters wide by 10 lines long. The Ad should be typed or hand printed exactly how it is to appear in the Newsletter. Deadline for an Ad to appear in next month's Newsletter is the 2nd Saturaday of the month.\*

For companies who wish to advertise in the HUGger Newsletter, our rates are as follows:

Pre-Printed Inserts (one page): \$20.00 One Full Page (one sided) Ad: \$25.00 One Half Page Ad: \$13.00 One Quarter Page Ad: \$ 7.00

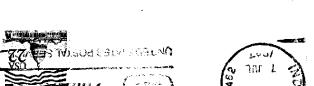
All Ads must be in ready to print condition. Advertisements must be in our P.O. Box before the 2nd Saturaday of the month to appear in the following month's Newsletter.\*

\*NOTE: The officers of the HOOSIER USERS GROUP reserve final approval on all advertizements submitted for the HUGger Newsletter and the HUGbbs. The officers and the Newsletter committee are not responsible for typographical errors due to illegiable advertisements. All proceeds are accepted as donation to the HOOSIER USERS GROUP.

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# APPLICATION FOR MEMBERSHIP

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Below you will find an application for membership to the Hoosier Users Group. Active Hoosier Users Group. Send completed applimembership entitles you to the Newsletter, up cation to: 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 P.O. Box 2222 Indianapolis, IN 46206-2222

|                            | (Cut on dotted line) |               |
|----------------------------|----------------------|---------------|
| Check One:                 |                      |               |
| Active Member              | Name:                | Today's Date: |
| New: \$20<br>Renewal: 15   | ·                    | Apt.#         |
| Subscribing Member         | Address.             |               |
| New: \$10<br>Renewal: 7.50 | City:                | State:Zip:    |
| Amount Enclosed: \$        | Phone: ()            | ·             |
| # <u>↑</u> D<br>S O        | Interests/Comments:  |               |