

SPIRIT OF 99

LIMA MULTI USER GROUP CONFERENCE:
An all TI/Geneve event

4PM Fri May 15 through 6PM Sat May 16
REED HALL, OHIO STATE UNIVERSITY CAMPUS
Final update (prepared March 25)

COST: Free! No admission charge; no
charge for exhibit room tables.
HOW TO GET THERE:

The OSU Lima campus main entrance is
on state route 309 approximately 3.5
miles east of the intersection of 309
and I75. Many of the hotels in our list
published in the March newsletter are
at this intersection. Turn left at the
large highway sign to enter the campus.
Then turn right at the first opportuni-
ty and park in the parking lot. Lima
is served by Greyhound Bus. The closest
airports are Dayton or Toledo OH. From
these airports you have to rent a car or
take the Greyhound Bus to get to Lima.

SPEAKER LIST TO DATE:

KEN GLADZEWSKI--"Do it yourself
products for the TI, including analog to
digital conversion."
EUNICE SPDNER--"Teaching TI LOGO to
first grade students, an actual
demonstration with a first grader."
JACK SUGHRUE--"Using the TI Computer to
educate children"
BRUCE HARRISON--"New non-music products
from Harrison Software."
DELORIS WERTHS--"Programming music for
the Midi Interface; new music from
Harrison Software."
CHARLES GOOD--"A preview of Funnelweb

v5 with a totally rewritten text
editor."

LEE BENDICK--"A demonstration of the TI
99/8 and its unique set of peripherals."
BARRY TRAYER--"Topic to be announced."
BUD MILLS--"Hardware products from Bud
Mills services"
GARY BOWSER--"O.P.A. products"
BOB NELSON--"Comrodine Products"

We expect additions to this list of
speakers as Conference Time approaches.

VIDEO TAPES:

All formal presentations will be video
taped and made available at nominal cost
to any user group and to individuals who
are members of the Lima Ohio User Group.
Right now it looks like we might be able
to squeeze the presentations onto two
VHS tapes, but it is quite possible we
will have to go to a third tape. The
cost is \$5 per tape (\$10 or \$15 total)
which includes our media and postage OR
your blank tapes and \$1.25 postage per
tape (\$2.50 or \$3.75) available. Blank
tapes (clearly marked with a return
address) and/or checks can be left at
the Lima table during the conference.
Optionally, tapes and/or money can be
sent to the Lima UG address at the end
of this article. We have purchased some
wireless lapel microphones for our
speakers to use. This equipment should
solve problems we have had in the past
with background noise making the
speakers difficult to hear on our video
tapes of past MUG Conferences.

COPYING DISKS FROM THE LIMA UG LIBRARY:
Only those disks added to the Lima
software library since April 1991 will
be available for copying, at no charge,
by a representative of any user group.
Approximately 120 FLIPPY 5SSD disks (240
disk sides) will be available for
copying. An annotated description of
these disks is being mailed on a disk
with this newsletter to all Lima UG
members and to all User Groups likely to
attend the Conference. **BRING YOUR OWN
BLANK DISKS.**

ATTENDING DEALERS:

L.L. Conner Enterprise
Competition Computer
Comrodine
Bud Mills
Harrison Software
Asgard
O.P.A.
GeniAL Computerware
Ramcharged Computer
Notung Software

We expect additions to this list. We
also expect lots of user groups to have
tables loaded with software and used
hardware.

FOR MORE INFORMATION:

To reserve free tables, to schedule a
formal presentation, or for motel or
other information phone Dave Szippel
(419-228-7109) or Charles Good
(419-667-3131) evenings, or write the
Lima UG at PO Box 647, Venedocia OH
45894.

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 Pedigo
6461 N. Sherman Drive
Indianapolis, IN 46220

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

MONTHLY MEETING LOCATION
LITTLE HOUSE NEXT TO
ST. ANN'S SCHOOL
2839 S. McCLURE
INDIANAPOLIS, IN

MEETING STARTS
AT 2:00 P.M.
MAY 17 1992

THE EMPEROR'S NEW CLOTHES

By Greg Larson

There has been a need (some might even say a crying need) for a column of critical review for the TI-99/4A going back at least to the time of the pull-out. I hoped someone else would do one. For several years I have felt that if I were going to see a series like this, I would have to do it myself. So, here it is (finally). The purpose (lest someone get the wrong idea) is for the TI-99/4A to continue to prosper. In my opinion, you don't achieve that by keeping your head in the sand or by promoting a "boost -- don't knock" attitude. You do it by reporting on what needs to be done for the TI to be competitive with other systems (or at least close enough that people stick with it). And you focus on both its strengths and weaknesses.

I need to make clear what this column is and what it is not. You will NOT see whimpering drivel by some insecure cry-baby forever attempting to justify owning a TI-99 by cooking up yet another scatterbrained scheme attempting to prove the TI-99/4A is the best of all possible computers, the greatest computer in history, now and forever -- usually by berating, bad-mouthing, and making up lies about all other computers, especially popular ones. You won't see that here.

Neither will you see full reviews of either hardware or software. By "critical review" I mean something more like an editorial in a newspaper or magazine. I intend to point out what I see as good or bad or mediocre in the TI world. More importantly though, I will try to write about what is IMPORTANT for the TI to survive. To that end I will write about things that ought to or need to be done. For example, software that needs to be written. Many times all someone needs is an idea to set them off creating something useful. I plan to speak to a wider audience than the Hoosier Users Group as this newsletter gets around the country and most of the issues raised will be of concern to the TI community as a whole.

I don't know how much others' stylistic practices have rubbed off on me, but two authors I read regularly are Jerry Pournelle in BYTE magazine, and John Dvorak in PC. For those who are not BYTE readers, Jerry has taken the side of us users since he started "The User's Column" back about the time the TI-99 was born. Everything gets used hard at Chaos Manor, and Jerry reports on what happens there -- the good, the bad, and the ugly. Unfortunately, Chaos Manor has become a computer "Paradise Island" since the mid eighties as he has virtually one of everything given to him to use. I wonder what Jerry would recommend if he had to pay for it all? John Dvorak is more the gadfly. He says what he thinks should be said -- lately he berated the claims of Lotus and their ilk who allege a one to one relationship for the value of software sold and of that pirated (world wide, that is). So far, he's the only one I've seen to stand up to these bullies. Is he the only one immune to raids of the SPA (Software Professionals Association)?

SHAREWARE CONFERENCE

I know this will be short notice, but the second annual Shareware Authors Conference will be held again here at the Indianapolis International Airport complex, this year at the Adams Mark Hotel. The dates are June 19th through the 21st. Hopefully this will get out in time for some to make plans to attend. I should have been sent information by now about the conference, but all I have is what I downloaded from the PBS BBS (Public Brand

Software, the host of last year's conference). Last year it cost \$20 to attend. This year it's up to \$35. In a time where professional conferences cost \$600 and up, this one is more down to earth. Actually, the conference costs are underwritten by Public Brand, the Association of Shareware Professionals (ASP), and others in the shareware market in order to keep the price this low.

Despite the fact that the conference is basically MS-DOS oriented, I am putting this in a TI column for two reasons: ASP is interested in supporting other computers than DOS machines. They told me at last year's conference that they hoped to set up sub-groups of some kind supporting shareware authors for specific computer platforms within their overall organization. These groups would have their own leadership and, I would imagine, manage their own membership. (I guess that I'd better put together some basic information about ASP for future columns.) Suffice it to say for now that ASP is an organization of peers where you have to show evidence of your peer status to get in. This is done by showing them a non-trivial shareware program you have written and by paying dues and their accepting your application. They also develop and maintain standards for shareware that carries the ASP logo. Chief among these standards are no crippled software and complete documentation.

The other reason is that most of the information presented at the Shareware Seminar is computer independent. In other words, business is business, and marketing, accounting, packaging, support, etc., will act the same way whether you have a TI-99/4A or an AT clone. Shareware can be a difficult marketing medium regardless of your target system, so it really helps to learn the ins and outs from the pros.

For those of us in Indy, this can be an extremely cheap conference. For those of you out-of-towners, lodging will be the major expense. A point to remember is that the future of the TI-99/4A depends on programmers being able to make money and this conference can show you one way to do it.

So here are all the sordid details and such. For more information call Bob Ostrander at 317-856-6052 (voice) 10a-8p eastern standard time. He is (if anyone is) the guiding force for the conference. He tells me the best way (especially for out-of-towners) is to call Public Brand's 800 number and ask to be sent information (or even register via phone). Their address:

Public Brand Software
P. O. Box 51315
Indianapolis, IN 46251
1-800-426-3475
BBS: 317-856-2087 (8n1)
For lodging info (you must reference the Summer Shareware Seminar):

Adam's Mark
2544 Executive Dr
Indianapolis, IN 46241

I suggest calling PBS first and get on the mailing list, if nothing else. Also, Adam's Mark is not the only lodging in town (another reason to call PBS).

I have a file describing this year's conference that also includes a summary of last year's conference that I got from the PBS BBS (Bulletin 11) that once I get converted to TI format, I'll upload to the HUG board. Probably after the Lima Fair.

REALLY DUMB DEPT.

This is just about the only way I know how to put it without being overly offensive. I'm referring to the so-called TI Standards you may have noticed as part of the report from Fest-West we printed a couple of issues back. Now, I'm about the last one to gripe about standards. After all, it's the reality of the ISA (Industry Standard Architecture) bus as a defacto standard that's made computers cheap (it certainly wasn't TI, Apple, or IBM's idea). Not only that, but standards makes everything work together -- like getting a CBS channel on your RCA (aka, NBC) TV, or putting anybody's CD in anyone else's CD player.

On the other hand you cannot imagine anything WORSE than a BAD standard. Either everyone is locked into an impossible situation, or they just ignore the standard. Standards are complicated things, and they take time to create and hone and polish before they are set in stone. What they chose to standardize at Phoenix is not a complicated issue, but just common sense programming practices. To be successful, you must program to the lowest common denominator. A cassette level system is what originally came out of the box. They didn't come with 32k memory expansion. If you're assuming 32k, then you might as well assume a basic expanded system with a disk drive. Again, the basic disk system HAS to be one single-sided single-density drive. Period! Now, double sided drives are nice. So is having multiple drives. It's definitely recommended. But not everybody has them. A lot of people don't. How many TI owners do we want to anger and alienate because our "standard" says they don't exist (or count). I maintain that it's attitudes like these that cause people to give up on the II.

In their own way, the silliest proposals are those for levels 3 and 4. They're saying that all those who have 80 column capability sort of automagically have a Gram Kracker (or clone) as well; and one with 128k of RAM in it to boot! Not only that, but said Gram Kracker seems to be the only recognized upgrade from an almost basic expanded system with double sided drive.

When I saw the timing of this proposal, the warning lights started flashing. Either the standards committee is naively optimistic, or maybe someone is trying to ramrod this through. After all, we first published the proposal in March, and bingo, it's to be ratified in May. Hmm.

At any rate, these are standards proposals that have no need to be standards; just use common sense and program for the lowest common denominator, or have a good reason for doing otherwise. Success comes from INCLUDING not EXCLUDING potential users. Let's be serious about standards and develop a set that are really needed. What I have in mind will be more complicated and will take more time and effort. Let's focus our energies to ensure that existing and (especially) future hardware all works with each other. At this point, everyone can take a moment and reminisce over your favorite horror stories. Everybody back now? Good. THIS is what standards are supposed to prevent. I know Gary Bowser has investigated this issue of compatibility a lot for his own products. He should be on the committee. Others have done the same sort of thing. Let's build on the work of the past so that everything works in the future. Let's throw the current proposal in the bit bucket and start working on a more ambitious (and useful) set of hardware and programming interface standards. Hopefully, when the committee's work is done, their report will be placed in public domain so everyone can benefit.

HOW TO DOWNLOAD A FILE FROM THE BBS WITH MY MODEM

STEP

- #1 Select (Telco) from the Ram Disk [7].
- #2 Select [A] (Auto Dialer).
- #3 Select [1] (TI BBS) and Press <ENTER>.
- #4 When you have hooked up, you will have to press <ENTER> to set Parity.
- #5 The board will ask you to identify yourself. At which time you Press [FCTN M] for (Macros) and Press [A].
- #6 The board then asks if you want to read The Bulletins, to which you reply [N].
- #7 Select [F] for (File Transfer).
- #8 Selecting any number from [0] to [8] will show you all the files listed under that number.
- #9 Lets use the file (WORDSE), that is listed under [1] as an example. First Press [D] for (Download).
- #10 The screen will then ask which list the file is on. You will reply [1]
- #11 Then you will be ask for the file name and you will type (WORDSE), and Press <ENTER>.
- #12 When the BBS tells you that (WORDESE) is ready to transfer now. You will do a [FCTN 4].
- #13 Next the screen will show you a window with three options. Move the highlite down to [XMODEM] and Press <ENTER>.
- #14 The whole screen will change, with a place at the top where you must type the location of your blank disk and the name you wish to call your new file. (DSK1.WORDESE).
- #15 After that Press <ENTER> and set back and watch your MODEM go to work.
- #16 When The job is complete, you will hear some pretty chimes and you will see a pannel that says, that the transfer is complete, "Press any Key".
- #17 At this point I would suggest that you Catalog your Disk to find out if your new file is Archived or not.

IF THIS DOES NOT WORK, JUST SHUT OFF THE MACHINE AND GO TO BED!!!

BOB

PC and the TI
By
Warren A. Barnes

These are my personal thoughts regarding the article that appeared in the newsletter by Barry Traver (The TI and the IBM.) In the article, he indicates he wasn't, but the overall tone was biased against PC/Clones. I own both a Geneve and a Clone and found most of his comparisons trivial at best and misleading at worst. Here are some of my opinions on his topics discussed:

Teaching Tools: TI has many GOOD teaching tools while the PC world has HUNDREDS of teaching programs. One system's are easily found the other ones are not (Can you guess which one is which?) Since I don't have children, I don't give a hoot about teaching tools.

Graphics: A plain TI has a standard color setup on all machines which is just that STANDARD. However, the Geneve has very good color set reaching upwards to 512 colors on screen at one time. A PC CAN have very sharp SVGA graphics that are very crisp which has resolutions reaching 1024x720 pixels and still climbing. Also, anyone considering paying \$1750+ for a PC and NOT getting a SVGA card/monitor needs to look elsewhere. Entire systems are sold for that price - which includes SVGA.

Speech: I turn my sound off on my PC and don't have it with my Geneve. Who wants to listen to all those beeps and bonks anyway?

Mathematical Accuracy: Well where I went to school 0.8 and 0.800000001 are CLOSE (to use a non-mathematical term) enough to not worry about the difference, truncation would fix that problem.

Now it may seem I am saying get rid of your TI's. By all means NO! I am not. I agree with Mr. Traver in saying let a PC not be a replacement for your TI/Geneve. I write programs on both the Geneve and the Clone. In fact I do MOST of my programming on the Geneve. I found the 9900/9995 instruction set (Assembly) to be simplistic and very powerfull while the clone's to be VERY long and complex(e.g. One Geneve MOVE assembler statement handles all combinations of Register to Memory Address moves including indexing and indirect moves while a PC has many MOVE instructions to handle the combinations.) I like my Geneve and will probably keep it for however long it lasts. BUT there are some things it can't do that a clone can. SPEED being the first thing to come to mind. After whizzing along at 33Mhz, it's like jamming a car into 1st gear from 4th when going to the Geneve.

The proliferation of hardware/software and it's continued advances in technology is another factor. On a PC you can run just about anything from hand scanner technology to multi-media tasks. And products are getting cheaper and more powerful as designers find ways to cram more transistors onto a chip. As far as software goes there are millions of programs for the clone while we still haven't decided which version of MDOS works with

what. This isn't saying the PC world doesn't have it's share of problems(The MS-DOS 640k conventional memory problem being the first to come to mind.)

And lastly, should you go to an employer and be asked "Have you any PC experience?" I'm sure he/she will not be interested in the TI/Geneve having sprites and being able to talk at you.

Purchasing a PC is not moving over, but definately up and to the right. As PC's continue to become more technologically advanced and the TI/Geneve continues to stagnate, the gap will become even greater, leaving the TI/Geneve obsolete.

Just a thought(Something that made me go HMMMM.)

(Reprint from Nov. 1991 DECATUR 99er H.C.U.G.)

NEW AND REVISED SOFTWARE FROM HARRISON

Harrison software has released Smart Connect, a program with which TI owners can transfer text files to and from PC computers.

The package can take large files from the PC and automatically split them into files small enough to be used with TI-Writer or Editor/Assembler editors on the TI side. The program will auto-increment the names of these split files, so that if the first one is TEXT1, the file will be split into TEXT1, TEXT2, etc.

The package is design so that, once the program is at the PC end, all actions are controlled from the TI keyboard and the PC therefore can be unattended while transfers are being done, Harrison says. Two GW-BASIC programs for the PC are supplied. At the end of the session, the TI program will cause the PC program to end before ending itself.

The package, which sells for \$10 including shipping and handling, requires 32K, at least one SS/SD drive, RS232 and a PC with GW-BASIC. The package can run from Extended BASIC, E/A or TI-Writer modules. Instructions and an XB program to print them are included on the disk. Numerous "error traps" are included, Harrison says, so that even errors on the PC program will be reported on the TI screen and can be recovered from it with out any action at the PC itself.

Harrison notes that Harrison Software's Word Processor has been reduced in price from \$20 to \$14, including shipping and handling.

For information or to order, write Harrison Software, 5705 40th Place, Hyattsville, Md 20781.

COMMUNICATIONS
Kevan J. Coleman
100 Cowan Court
Longview, WA 98632
Phone: 1 (206) 423-9133

THE NATIONAL "TI-ECHO"
FOR THE TI-99/4A & GENEVE 9640 USERS

The topic of this article is the network and how to connect with it.

Are you missing out? There's a national TI Conference that you can probably access **LOCALLY**, without the monthly fee for commercial services like CompuServe, GENie, or Delphi.

The network is called FidoNet and the TI-Echo is one of many conferences available to users. Access into the network is via one of the nearly 10,000 local BBS systems in the US and Canada.

For an isolated TI user group the TI-ECHO can provide up-to-date information on what's new, like the new "DeZipper" program by Ben Yates or Gary Bowzer's "Zmodem" for the TI!

If you have questions about hardware, software or system bugs, someone on the network **CAN** and **WILL** answer your questions. You might even hear directly from the software authors such as TI-ECHO participant Beery Miller.

HOW TO OBTAIN ACCESS

Check out the BBS systems in your local area. If one of the systems is identified as a Fido node, ask the sysop to **PLEASE** carry the TI-ECHO. It is **IMPORTANT** that you inform the sysop that the TI-ECHO is on the "BACKBONE" and that traffic averages between 7-15 messages daily. The term "BACKBONE" is important to

sysops as it tells them they will not have to make any additional calls and it will come via the normal feed. Informing them of the traffic size is a courtesy and it will insure that you will probably get the ECHO. Some sysops do not like to carry numerous echos that have 100-200 messages a day (i.e. Star Trek: The Next Generation, Genealogy).

The following are numbers of FIDO systems that support the TI and carry the TI-ECHO. Special thanks goes to Walter Fietjen for netmailing the numbers.

STAR ONE	Tulsa, OK
9600 HST.....	1 (918) 835-8933
TI-RALEIGH.....	Raleigh, NC
2400.....	1 (919) 833-3412
RADIO FREE.....	Milwaukee, WI
9600 HST.....	1 (414) 352-6176
FULL MOON.....	Memphis, TN
9600 HST.....	1 (901) 386-1760
BOB'S PLACE.....	Pittsburgh, PA
9600 HST.....	1 (412) 344-8504
2400.....	1 (412) 341-5313

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Kevan J. Coleman

This article **MAY** be reprinted in user group newsletters or any other publication as long as a **FREE** copy of the newsletter/publication is sent to the author at the address listed above.

SHARING KEEPS THE TI COMMUNITY ALIVE!

CALL A CAT

In answer to an article written by my grandson, Greg Stahlhut, that was in the last Newsletter, Jeff Overton has written these instructions on our BBS.

To get into the Indianapolis Library catalog with TELCO, you will need to set it to ANSI 8-N-1. The number is 269-5212. Hours are M-F 8am to 9:30pm, Sat. 8am to 5:30pm, and Sun. 1pm to 5:30pm.

When you connect

1. press return.
2. press CTRL and O(the letter) two times.
3. press CTRL and O(the letter) once to quit or start over.

There are some things that you will have to try on your own to get just what you want, but this will get you on.

Jeff

TI TRICKS

by WESLEY R. RICHARDSON
NORTHCOAST 99ERS, CLEVELAND, OH

BACKUPS When you are writing any program or document on any computer, it is a good practice to save your work every 15 minutes. If the power goes off or if the computer locks up, you will only loose the last fifteen minutes of work. I also make it a practice that when I finish a session on the computer that I first save the document or program to two different disks and then print out a listing of it. If something should happen to the disks, retyping the information is a lot faster than creating the material from memory.

TI-WRITER If you are using two different files and combining information, when you do a LoadFile (LF) or SaveFile (SF), you can put both filenames on the prompt line and TI-W will only use the first name. For example, DSK1.FILE1 DSK1.FILE2. By doing this you don't need to remember the other file name or retype it when you are finished with FILE1. If you want to insert or delete several spaces on sequential lines for formatting purposes such as a table of numbers, it can be done quite easily. First put a character which you haven't used anywhere else such as : on each line at the point that you want to insert or delete spaces. Turn off word wrap with CTRL O. Then do a ReplaceString (RS) using the form /:~/ to add spaces or the form /:~/ to delete spaces. The replace string is also useful for removing the nonprinting characters such as CR or LF. The CTRL U function will work in the command line the same way it is used within a document to access the ASCII characters from 1 to 31.

EXTENDED BASIC While developing a new program, use line 90 REM DSK1.PROG001 at the start of the program. Each time you save the program, do so by typing 90 then FCTN X. Press (ENTER) then FCTN B for redo. Delete the 90 and press enter and your program will be saved to disk. Press FCTN B again and change to DSK2 to save to a second disk. Do 90 FCTN X again and increment the name to PROG002. By doing this, if the last changes you make to the program created new problems, then you can go back to the previous revision. When your program is done, delete line 90 and save the program. Save the program with a different name using "DSK1.PROGM",MERGE format. Then type NEW, then MERGE "DSK1.PROGM". Then save the program to two disks using the final name.

HUG OFFICERS

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BBS

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P-Box (empty) \$75

w/32k, TI Dsk Ctr, FHDS Floppy \$120

External Drive cases w/pwr supply

Floppy Dsk \$45 Hard Dsk \$65

PerCom stand alone Disk Controller

with 1/2 Ht DS Floppy \$105

TI External Disk Ctr \$50

Del & Darla Wright
185 N. Post Rd.
Indianapolis, IN 46219
317-895-1765

Free shipping in Continental USA

NEW RIBBONS OR OLD

----- by Marshal H. Ellis
Mid-South 99er User Group Memphis; April 1991

Since augmenting my computer with a printer I have generated a lot of paper copy. Funny how printers seem to go well with the computer, but that's another story. At one point I found that I was constantly running my ribbon 'till the print turned grey. Not wanting to splurge on a re-inking machine, and since the ribbon spools seemed cheap, I delayed looking into a solution. I just kept buying new ribbons.

About 2 years ago, while using my Star - Gemini 10X, I decided that I would begin spending less money on printer ribbons. A newsletter article from the Northcoast TI Chips User Group had alerted me to a useful product called Ribbon Re-New. A low viscosity lubricated printer ribbon ink for dry ribbons. Still, without an inking machine, I tried it out, and it worked! Even using manual methods, re-inking is like having an almost new ribbon, after allowing a few days to dry out.

Originally I was re-inking the spool ribbons used by the 10X. In order to keep things simple, I folded a finger sized piece of heavy paper towel in a 'v' shape, and positioned it behind the print head, toward the front panel. I placed the ribbon inside the paper loop, at the level of the print head. Then I could turn the spools by finger pressure while applying a few drops of ink to the pad. A little time in storage and it would be ready for use. This is where I also learned that a sure-fire cleaner is the mechanics' hand cleaner (GOOP). I'm sure that a re-inking machine would be much cleaner.

Now I have a Panasonic KX-P1180 printer (9pin) which uses a cartridge type ribbon. So, now I gently pry open the cartridge, apply a few sparing drops of the ink to the ribbon and to the roller pad, then close it up. After a thorough winding and a few days on the shelf, and turning the ribbon some more, it will be ready for use. One could also pass a folded pad under the exposed portion of the ribbon, and proceed as noted above. The provided instructions also note that their regular viscosity or roller cartridge viscosity ink, the thicker type, should be used for cartridges which have a self contained re-inking roller.

Since the time that I bought my supplies the prices have been stable. At this time, the low viscosity Ribbon Re-New, for rejuvenating old dry ribbons, sells for only \$5.00 for a 2 oz. bottle. You could choose from three colors. The regular viscosity Ink sells for only \$2.75 for a 2 oz. bottle, available in 10 different colors. Also they supply a thicker roller cartridge ink for \$2.90 in a 2 oz. bottle for Panasonic type cartridges with re-inking rollers. The above noted prices include shipping costs. A variety of ribbons, inks, inking machines and cartridge refurbishing kits are also available.

These products are available from : V - TECH, INC.
(215) 822 - 2989 voice 2223 Rebecca
(215) 822 - 6394 fax Hatfield, Pa. 19440

DUES ARE DUE NOW!

Check One: Active Member New: \$20 Renewal: \$19

Dues will be due in _____

May of each year. New members subtract \$1.50 for each month from _____

May to Oct. New member: \$10.00

Amount Enclosed _____

S _____

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CITY _____

STATE _____

ZIP _____

PHONE () _____

INTERESTS/COMMENTS _____

TODAY'S DATE _____

APT # _____

Please print

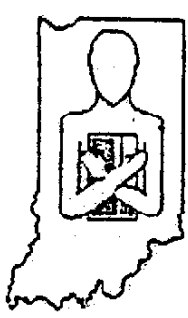
Cut on line

APPLICATION FOR MEMBERSHIP

Below you will find an application for membership to the Hoosier Users Group. Active membership entitles you to the Newsletter, and download on the HUGDBs, 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.

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



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

Forwarding and Address Correction Requested



May 1992

Dan H. Eicher
P.O. Box 605
 Mooresville, IN 46158

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May 17, 1992
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