

HUG

October
1987

HOUSTON USERS' GROUP
[OF THE TI-99 4A & COMPATIBLES]

MEETING SCHEDULE

FIRST SUNDAY OF EVERY MONTH
(2nd Sunday if 1st Sunday
is on a holiday weekend)

HUG TIBBS - (713) 475-8909
24-hour BULLETIN BOARD

AT THE NEXT MEETING

SUNDAY, OCTOBER 4, 1984 - 2 P.M.

St. John's School - 2401 Claremont

The main presentation for the October meeting is still up in the air as of this printing, however there are several bushes "rustling" in the background. In any event come on by and partake in the question-'n-answer help sessions, which have proven to be quite lively.

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Getin' on line
Mech. XBII+ Tips

Editors SoaPEBox
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Software Addendum
Vendor List - Part II

1987 HUG OFFICERS

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Featured Writer: Henry J. Schlereth

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GREAT NEWS for HUG! - TI has responded, most favorably, to my inquiry regarding 99/4A registration information on individuals in the Greater Houston area. TI has indicated that it will forward mailing labels of registered owners to the Houston User Group in the near future. We will soon have a means of contacting each and every individual in Houston who purchased a 99/4A and inform them of the availability our support group. We are very fortunate to be able help a potentially large number individuals who most likely have not had information nor opportunity to use their equipment for any other purpose than a video-game-machine.

NOTICE TO OTHER USER GROUPS: If you haven't looked into obtaining registration data on individual 99/4A owners in your area you're really missing out! Take advantage of TI's hospitality! Don't miss out on a one-time-chance. Write to: "Becky Johnson, Direct Marketing Program Manager, P.O. Box 655303, M/S 3654, Dallas, Texas 75265" and make your group be known

BE SURE TO READ!: As for HUG, the timing couldn't be greater. If you recall, in the August issue, a call went out for some healthy competition for the "BEST HUG ADVERTISEMENT". For those of you who have slippery memories, let me refresh'em a night. We need a "flyer" to pass out and/or pin up on those ARCHAIC "cork & pin" bulletin boards located throught the local schools, grocery-hardware-etc stores, auto parts shops and the like. This should be a "graphics and text" type of advertisement that informs a 99/4A owner of at LEAST: 1) "WHO" HUG is, 2) "WHAT" HUG has to offer the a 99/4A user and especially the beginner (information, support, programs, etc) and 3) "WHERE" and "WHEN" HUG meets. You might also mention "HOW" their 99/4A can be used, in ADDITION to video-games. Be sure to include some of the graphics that our 99/4a's are especially good at and some of the diferent text font types that are also available. However, try not to clutter up the sheet, just brief, neat all-encompassing advertiser - (yeah, I know I'm asking for the moon). Be sure to put the final copy on an 8-1/2" x 11" page that's ready to go to the press! All your efforts (if you win, of course) will be worth at least nearly a half mile of paper (No, not the TOILET kind - a box of letter size computer paper), and we'll see what else we can scrounge up. Give it a try! SURELY you can do better than I did, as displayed on the following page.

LOAD/DOCS by Barry Traver

(The following was taken from GENIAL TRAVELER [Vol 1, No 6] and reprinted with permission of the author and Genial Computerware.)

When you're using the TI Extended BASIC module with a disk system and you choose XB from the opening menu, a LOAD program (if present) on a disk in drive one will be automatically loaded and run. That can be a nice feature. But what if you don't want that to happen?

If you're fortunate enough to have the MG modification of XB or the Myarc XBII, there's a way to bypass this auto-LOAD feature. But the TI Extended BASIC module (or its equivalent) doesn't allow such a privilege.

Usually one of two things (both unsatisfactory solutions) is done:

(1) The door to drive one is opened, so that the computer cannot access the disk. This is unsatisfactory because it takes the computer so long to ascertain that the door is open.

OR

(2) FCTN-4 is held down, so that even if the LOAD program is loaded, at least it won't be run. This is unsatisfactory because the LOAD program may be long and take a long time to load and it will still be in memory after the FCTN-4 takes effect (so that you will need to do a "NEW" to get rid of it).

There is another alternative, however: the 2-sector LOAD program in this issue. Just rename your current LOAD programs as LOAD!, add this program to those disks, and you're in business!

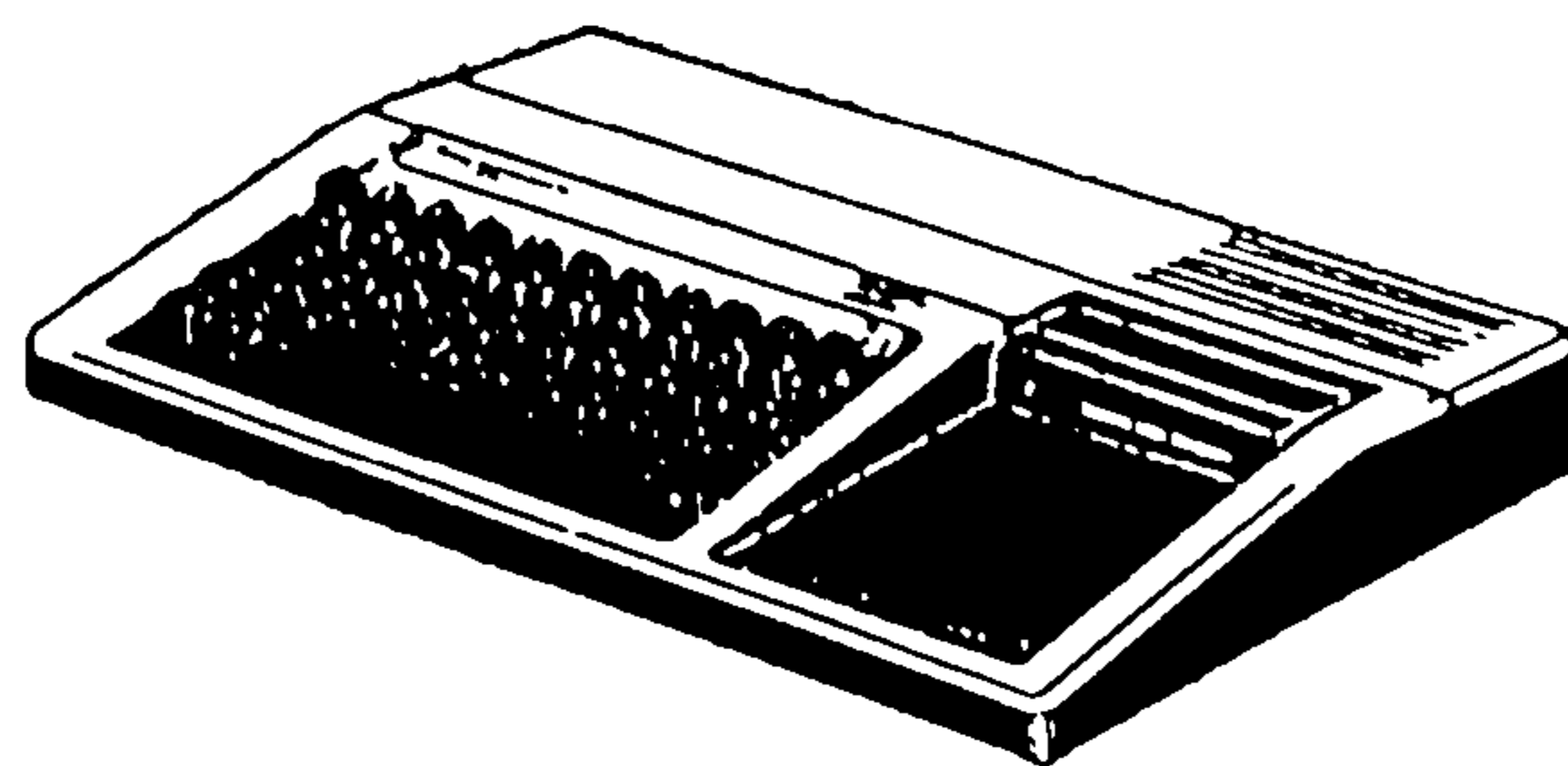
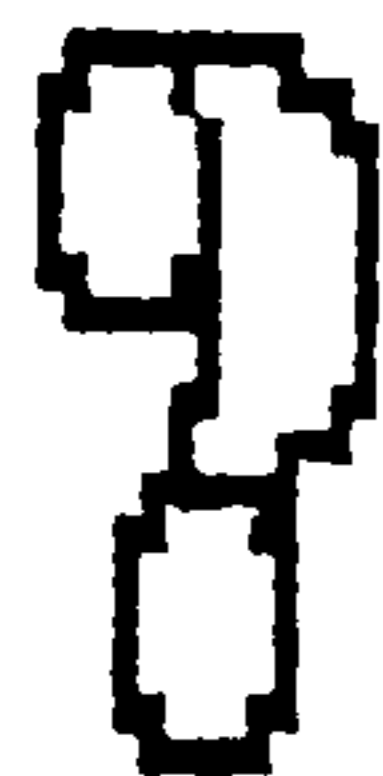
How do you make use of it? Simple. If you don't want to run the auto-LOAD program (now renamed LOAD!) on the disk, just keep your finger on the 2 (or the 3 if you're using a CorComp disk controller) when choosing TI Extended BASIC until you get the notification that XB is "Ready". (No need to type "NEW": there is no program in the memory!)

This additional 2-sector LOAD program does, of course, mean a (very) slight increase in time in getting to your LOAD! program when you do want to use it, but it's a real time-saver when you want to bypass that LOAD! program. Try it out: I think you'll like it!

P.S. Use of this LOAD program will not destroy any assembly code already present in lower BK, because CALL INIT is not called unless needed.

```
100 CALL KEY(O,K,S):: IF S T
HEN 110 ELSE RUN "DSK1.LOAD!"
"
110 ON ERROR 120 :: CALL LOA
D(-31962,100,124):: STOP
120 CALL INIT :: RETURN 110
```

Do You Have A
TI-99/4A
Computer



In Your Closet? If So, Come

Learn to use it at the:

HOUSTON USERS GROUP

Meets ea. 1st Sunday @ 2PM

@ St. Johns School

Buf. Spdwy @ Westheimer

Add'l Info: (713) 955-7939

Beginners Welcome !!

MECHATRONIC XBII+ SCREEN BUILDING with MOVE/MSAVE/MLOAD

by Henri J. Schlereth - Houston User Group - October 1987

During the course of building a demo program on the MSAVE/MLOAD feature I began to realize I was going to have a space problem. One of the routines I wanted to demonstrate needs about 12K of High Memory Expansion, and I needed a lot of space for DISPLAY AT commands to explain what I was trying to do. So it became a matter of doing without the routine, being less verbose, or try to figure a way to do everything at one time (sort of).

So I went back to the MECHATRONIC XBII+ manual for some kind of clue. I have the original German version if you think the English version is awkward. Anyway, I ran across the CALL MOVE feature and from there things started to click. I wrote a program that takes a DV80 file and writes up to 24 lines to the screen, then it moves it to Low Memory where it can be MSAVED. Great! Wrong. Now I had a 34 sector mirror image file that contained exactly one screen or roughly 12-24 DISPLAY AT commands.

I succeed in transferring the space problem from the program to the disk storage area. Well, diskettes are cheap nowadays, but I had this vision of a 2,000 byte program and the entire disk taken up by 34 sector screen files. Clearly more research was called for. Back to the manual.

The manual showed that the entire screen area takes up 0-768 bytes. So with a little generous math, assuming that you want to copy an entire screen each time and not just portions I came up with the grand figure of a minimum of 10 screens per 34 sector mirror image file. This was workable in all terms.

So the frame builder was modified to save up to 10 screens and I used TI-WRITER to design all the screens with word wrap disabled and the right margin set from 27-30.

Below are the addresses in increments of 768+1 that can be used to store display screens. Here is the procedure:

Display the text on the screen	:	FRAME	ADDRESS
CALL MOVE(2,0,ADDRESS,768)	:	1	8192
When all the frames are loaded:	:	2	8961
CALL MSAVE("DSKX.FILENAME,8192,8192)	:	3	9730
Later all your program has to do is:	:	4	10499
CALL MLOAD("DSKX.FILENAME,0)	:	5	11268
CALL MOVE(3,ADDRESS,0,768)	:	6	12037
as it needs the screens.	:	7	12806
	:	8	13575
	:	9	14344
	:	10	15113

Any text-editor can be used to make these template files. Plus, you can always change the template files, reload the mirror image program, move corrections to the correct address, and MSAVE them back.

NAMING CONVENTIONS: I added the following suffixes to my files in order to minimize confusion.

'/MNU' DV/80 TEMPLATE FILE
'/SCN' FRAME MIRROR IMAGE FILES

As I said, I was looking for this solution to another problem, how to load text-to-speech without sacrificing user screens. Instead I now have a tool in program format that saves quite a bit of space by eliminating the need for 99% of any DISPLAY AT commands. I used a command that was resident on the module to make a tool to help write smaller programs. And smaller programs in any XBASIC environment means faster execution.

There is one last caution, it isn't a good idea to try to mix assembly language subroutines that are MSAVED with FRAMES, remember that VDP is very volatile and if you MOVE the wrong data to the screen image table, results to say the least are likely to be very unpredictable.

So now you have the second reason why I like the MECHATRONIC XBII+, and I still haven't touched the GRAPHICS commands. Oh, well.

Here's the second installment of John Willforth's (West Penn 99'ers) comprehensive listing of the national suppliers of the TI-99/4a. John has tackled what seems to be a monumental and unending task. You're sure to hear from him again in future months. As mentioned before, BE SURE to support these vendors, as they remain faithfully supporting the 99/4a.

-
- Forth Interest Group** Complete support for the FORTH enthusiast.
P.O. Box 8231
San Jose, CA 95155 1-415-962-8653
-
- IT'S HERE; A LISP INTERPRETER (as fairware).....**
Charles Rentmeesters Send \$15. and one disk/mailer. Incomplete
410 N. Carroll St. but will be updated. FAST! Has 44 commands,
Madison, WI 53703 supports recursion, includes brief primer.
1-608-256-0725
-
- SOFTWARE SUPPORT FOR THE "GENEVE"...** AC-BASIC, AMOS, AC-PASCAL, AC-FORTRAN, either
AEI available now, or nearly ready. (call).
6700 Belsrest Rd. Suite 723 Soon to release 360K upgrade for the original
Hyattsville, MD 20782 HORIZON RAM DISK.
(no phone in at this printing)
-
- QUALITY 99SOFTWARE** DM IV, DRAW n' PLOT, SCREEN DUMP II,
1884 Columbia Rd. # 1021 DB99, SPAD XIII, MUCH MORE. CALL OR
Washington DC 20009-5161 WRITE FOR FREE CATALOG # 23W
1-202-667-3574
-
- AMNION HELPLINE** "A NON-PROFIT VOLUNTEER EFFORT, FREE HELP TO
116 Carl St. " ORPHAN + CLONE " COMPUTER USERS"
San Francisco, CA 94117 9 to 4 (Pacific Time), Monday thru Saturday.
1-415-753-5581
-
- DISK ONLY SOFTWARE** 9640 (GENEVE), Modified Myarc 256K and 512K cards
P.O. Box 244 for the 9640, DELPHI Starter Kit and Help Disk,
Lorton, VA 22079 ORPHAN SURVIVAL HANDBOOK, Programs for the TI
1-301-369-1339 Home Computer, and Intro to Assembly Language
Touchtone order by dialing: for the TI, LOTTO MANIA, PRO TEST UTILITY,
1-800-446-4462 and at tone DRAGON STORM, PIRANAH, CURRENCY EXCHANGE UTILITY,
enter "897335" for recorded order FLYING FORTRESS FLIGHT SIMULATOR, KARATE, EPROM
message. for HORIZON RAM DISK, GRAM PACKER, XB:BUG, and
TI WRITER TIPS AND TRICKS
-
- DELPHI** You can use the TI Information Network SIG on DELPHI by dialing your local
Tymnet or Telenet number. At the "Please Log In" or similar prompt, enter
DELPHI. At "Username", enter "JOIN99". At "Password", enter "TELEDATA". For
\$10. you receive a membership account, and 1 hour online credit. For \$29.95,
you receive a User's Manual, Command Card, Membership account, and 3 hours
of online credit. Rates are \$7.20/hr. 300-2400 baud and no network line
charges.
-
- PRINTERS APPRENTICE** is written in Forth and handles only it's own fonts, but has a
McCann Software scheduler function, which lets you have a lot of freedom in
P.O. Box 34160 where you put graphics in your document. Don't let yourself be
Omaha, NE a captive to convention because of it's incompatibility to a
68134 font other than it's own! \$22.50
-
- EPROM for 128K FOUNDATION CARD**, which allows you to run the new MYARC EXTENDED BASIC
II software . You can get the EPROM for \$10. IF you purchase the EXTENDED BASIC II.
MYARC * also Myarc carries complete line of controller
241 Madisonville Rd. products for the TI and the New GENEVE (9640)
Basking Ridge, NJ 07920
1-201-766-1700
-

DataBioTics Inc. Has quite a collection of hardware and software on
P. O. Box 1194 cartridge and disk for your system. Write to them,
Palos Verdes Estates, CA I'm sure they will send their catalog to you.
90274 (714) 552-1244

Millers Graphics Advanced Diagnostics, GK utility, PROM SET for your
1475 W. Cypress Av. CORCOMP disk controller, and some excellent games.
San Dimas, CA Write for list of availability.
91773 (714) 599-1431

Nameloc Software I don't know what the offerings are of Nameloc, but
3971 SE Lincoln that shouldn't keep one who is thirsty for new soft-
Portland, OR ware, from finding out. Write to them.
97214

Pilgrims Pride A large supplier of software/hardware and misc. items
P. O. Box 2 for the T.I., and I've seen their catalog. They are
S. Williams Lane able to supply some things that you will not find in
Hatboro, PA any other catalog. Write them, or call:
19040 (215) 441-4262

Tenex Computer Express Tex-Comp Texaments
P.O. Box 6578 P. O. Box 33084 53 Center St.
South Bend, IN Granada Hills, CA Patchogue, NY
46660 91344 11772
(800) 348-2778 to order (818) 366-6631 (516) 475-3480
(219) 259-7051 information

Triton Product Company Mr. Dave Rose GENIAL TRAVELER
P. O. Box 8123 2781 Resor Rd. GENIAL COMPUTERWARE
San Francisco, CA Fairfield, OH 835 Green Valley Drive
94128 45014-5053 Philadelphia, PA
(800) 227-6900 "A DISK MAGAZINE" 19128

SMART PROGRAMMER RYTE DATA MICROpendium
% BYTEMASTER 210 Mountain St. P. O. Box 1343
171 Mustang Haliburton, Ontario Round Rock, TX
Sulphur, LA 70663 KOM 150 78680
(318) 527-0035 (705) 457-2774 12 issues \$17. (3rd cls)
Richard Mitchell Bruce Ryan \$22. for 1st Class Mail

ARMADILLO BYTES Heiner Martin
% Richard & Annie Fleetwood Romerster 93
P. O. Box 900921 7900 ULM
Dallas, TX 75218 WEST GERMANY
(214) 328-9257
Carry hardware (new/used), software.

DOTS-PERFECT for your EPSON FX, JX, RX and MX printers to make your EPSON matrix
printer a NEAR LETTER QUALITY (NLQ) printer. Send Myra \$63.00 + \$2.00 S/H and
the model of your printer and she'll send you the ROM.

MYRA D. WHITE 849 E. Bonita Av. La Verne, CA 91750 (CA. Res. add
\$4.10 sales tax). Call after 6PM PST, (714) 592-6897

CORCOMP.....Has some new things out. The "REAL" TI/IBM connection
2211-G Winston Rd..a program on cartridge to move ASCII files from a TI
Anaheim, CA...DSDD disk to an IBM disk and vice versa, all on your TI
92806....system ! Corcomp has a full line of controllers and
1-714-956-4450..... support.

What A Guy!



FOR SALE

FOR SALE

TELECOMMUNICATING EQUIPMENT: Compuserve Starter Kit unopened \$25, Volksmodem 300 Baud MODEM, ac adapter, TI RS232 cable - \$40. Call Ron Hodgman @ (713) 358-8618 evenings.

Teac SSSD 1/2 height disk Drive \$9.00. - WAYNE JOBE (713) 654-6052 or leave msg on HUG-TIBBS.

SYSTEM: 2 silver consoles, PEB w/2 DSDD Qume drives, 32K, RS232, Corcomp DD Contrlr and TI Disk Controller, 2 Speech Syn., cassette recorder, widget, joystick, XB, Mini-Mem, E/A, TIW, Multiplan, Approx 25 modules, 200 disks of progs, magazines, extra PS for drives, also 300 baud modem. Everything for only \$450.00. Call Jerry Illing @ (713) 664-7059 (home) or (713) 666-9880 (office)

TI SYSTEM: \$300 Includes console, PBOX with quiet fan, 32K card, RS232, EA, XB, TI-W, Multiplan, cables, MANY disks, books, mags. Also:

Adek COLOR MONITOR: \$175, Anchor 1200-B MODEM: \$150 - DON LEWIS (713) 353-5295

P-CODE CARD: W/ docs and software including Compiler \$150. Leave msg for Gary Hux on HUG-TIBBS.

NEVER USED "NEW" SOFTWARE with manuals: 4A/TALK Terminal Emulator \$12.00, GRAPHX COMPANION III \$5.00, MG NIGHT MISSION Game \$6.00 (cassette w disk version included on cassette). Also:

COMPLETE SYSTEM: Black & Silver Console, PEB, RS232, TI Disk Controller, 2 SS Drives, 32K, TI Modem, Printer, Joysticks, Cassette, Zenith Monochrome Monitor, spare console, books, disks. \$400.00 - GARY HUX (713) 991-0979 or leave msg on HUG-TIBBS.

BOOKS IN NEW CONDITION: Best of 99er \$10, BASIC TIPS by Aelist \$12, SAMS Tool Kit Series \$2.50, SAMS BASIC Ref. Manual \$3.50, SAMS Basic Tricks \$2. - BILL KNECHT, leave message on HUG-TIBBS.

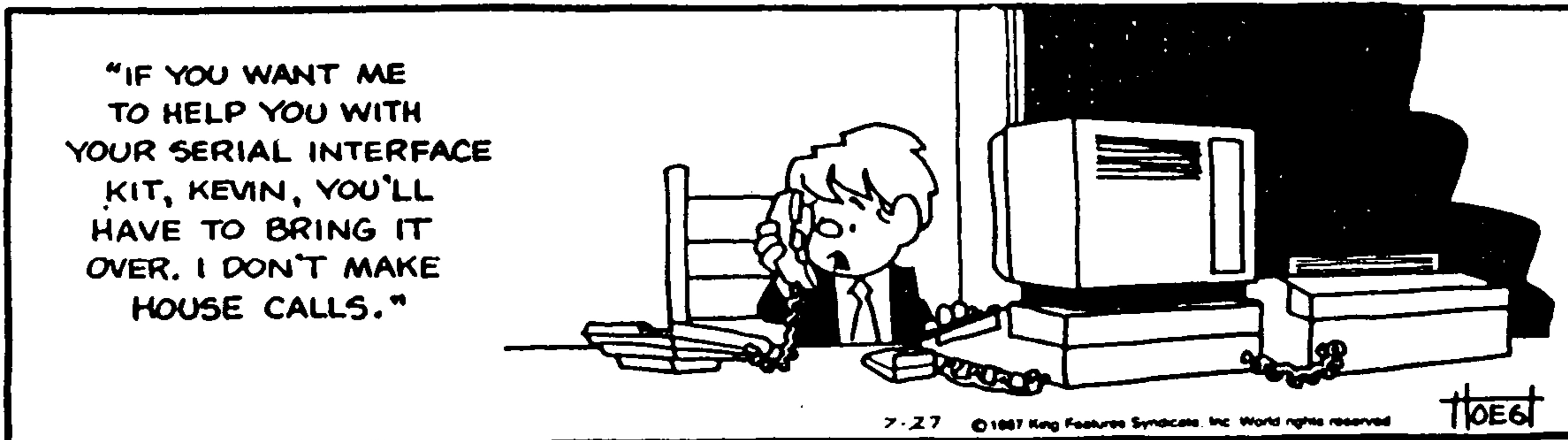
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SYSTEM FOR SALE: Black & silver console, PEB, TI Disk controller, Myarc RS232, 32K, Speech Synthesizer, MBX system, XB, E/A, TIW, DM-2 and disk software. \$400.00 - ERIK KEELINE (713) 528-1425 or leave msg on HUG-TIBBS.

LISTINGS: Place your free "personal" advertisement here. Contact editor either through HUG-TIBBS, the newsletter return address or phone (listed on front page).



HUG LIBRARY CATALOG ADDENDUM

- 0238 WARGAME**XB**
A nice war game by Steven Steigerwald. Great fun. 78 sectors
- 0239 CRIBBAGE**XB**
Cribbage card game by Mike Swiridenka. Excellent graphics. 62 sectors
- 0240 QUEST 2**XB**
A new adventure game by Chris and Andrew Kirase. 94 sectors
- 1135 RLE-MICKEY MOUSE**DF/128** Printer required
A picture of Mickey Mouse that can be printed out using Program #1078. 54 sectors
- 1136 BRUCE LEE**XB**
A super great picture of Bruce Lee. 11 sectors
- 1137 EFONT**EA/3** Printer required
Use with your XB programs to give an enhanced display of text. Nice program. 17 sectors
- 3126 ELECTRONICS DATA BANK**XB**
Electronics Data Bank compiled by Tom Smart. Menu driven to perform several calculation functions of electronic needs. 120 sectors
- 4132 NEW VERSION OF CATALOGING LIBRARY**XB**
Version 1.5.0 of Martin Kroll's Cataloging Library. Helps you keep track of your software. 354 sectors
- 4300 XB TOOLS**XB**
This program contains utilities to assist in XB programming. It contains a load program that will load XB, EA/3, EA/5 or will print DV/80 files right from the menu. A "FAREWARE" program by Jim Swedlow. 297 sectors
- 4301 WEATHER WIZARD**XB**
A program from COMFUTE that has been translated to TI 99/4A by Don Lobelle. This program can help you predict the weather. 85 sectors
- 4302 OMEGA**EA/5**
Travis Watford's new terminal emulator program. It has the ability to display RLE files on-screen when transmitted from a BBS. Docs can be printed from XB by selecting file PRINTDOCS. Program loads and runs from EA Option 5 as DSK1.OMEGA1. 120 sectors
- 4303 XB DISASSEMBLER**XB**
An Extended Basic disassembler by A.L. Beard. Version 2.0. 41 sectors
- 4304 SMALL CALC**XB**
Calculator program that does addition, subtraction, multiplication, division and square roots. Great program. 9 sectors
- 4305 STEP-BUG**EA/3**
A/L debugger by Randy Haber. P/N is STPBUG. 31 sectors

EXCERPTS FROM...
GETTING ON-LINE - AN INTRODUCTION
TO TELECOMMUNICATIONS
BY FRED AND AMY MACKEY - PUG VIA
JACKSON COUNTY 99ERS

How do you get started in telecommunications? What kind of software and hardware do you need? What is telecommunications anyhow? The following will help you get started.

The purpose of telecommunications is to use your computer to locate and retrieve information stored on someone else's computer. This electronic collection of information is called a database. Telecommunications is a tremendous asset for anyone; it is a library at your fingertips.

Information available in this electronic library includes news, sports, stock market reports, programs, all of which are available on news and informational services. Information can also be accessed on bulletin board systems, of which there are thousands across the country, and usually a free service. A bulletin board, or BBS, is designed to bring together those of common interests, owning specific computers. The personal business possibilities of telecommunications also include making airline and hotel reservations, electronic banking, and bill paying. And you can do all this from you TI 99/4A!

The information is sent from one computer to another over telephone lines in the form of modulated data. (The tones you get when you punch numbers on your push-button phone represent modulated data.) But telephones and computers are based on different signals. The modem serves as a translator between the two. At one end of the phone line the modem MODulates the computers digital signals into analog signals to be carried over the phone lines, only to be DEModulated back into digital signals at the other end.

Some modems connect directly to the telephone line through the telephone jacks. Others are acoustic type where the telephone headset is coupled into the suctioned modem cups, one containing a speaker and the other a microphone.

Telecommunications could not exist without software. This is the program which connects the computer to the outside world and gives it the instructions on what to do with the information it accesses. In addition to your console and monitor, you will need a serial card, modem and telecommunications software.

When buying a modem, there are 5 basic features to look for.

1. Direct Connect which means it plugs directly into a modular telephone jack, eliminating all outside noise. The other option is an acoustic modem, the only advantage being it can be used with any phone. (Note - If your home does not have a modular jack, you can purchase an adapter for about \$5).

2. 300 Baud is how fast a modem will send and receive data. A 1200 baud modem is 4 times quicker, but costs about twice as much. (Note - although you can receive information 4 times faster, CompuServe and some other databases charge extra for this speed).

3. Auto Originate is a feature that causes the modem

to dial the number you have entered from the computer keyboard, as opposed to you dialing the phone yourself. (Note - The real advantage to this is that the modem will also have the ability to keep trying the number if it is busy, which frees you up from dialing over and over.)

4. Auto Answer is a feature necessary if you want to have the ability to receive calls via your computer (ie, if you ever want to set up your own BBS).

5. Full Duplex is the ability to send and receive signals at the same time. Simply put, the database computer is constantly asking your computer if it is ready, and your machine is constantly responding "yes". Without full duplex, there would be a line turnaround delay between each question and answer.

Any modem can be used with any communicating computer. However, serial cards (and software packages) are designed for specific computers. To hook up the modem, you need to have a serial card. The job of the serial card, simply put, is to take the internal language of your computer, which is spoken in 8 bit "words", and send the "words" out of the computer to the modem one bit at a time, instead of 8 at a time. ("Serial" for transmitting bits individually in a series, and "parallel" for transmitting bits in a parallel - 8 at a time.) So, the serial card takes the specific language of your computer, and makes it common language for any brand of modem to receive. (Note if you own a serial printer, as opposed to parallel, you already have a serial card. TI's card provides 2 serial ports so you can run a printer at the same time you are using your modem, along with a parallel port.)

There will be a "port" or plug on the serial card, and a port on the modem. Now, just because you bought a modem, that doesn't mean it comes with a cable to connect to the serial card in your computer. The two are hooked together by plugging in a serial cable, which must be purchased separately. Most modems and serial cards have female ports and require cables with male plugs on either end. So, make sure you buy a cable with the right sex for your equipment. The plugs are called DB25 connectors. The TI serial card is set up for printers and the TI acoustic modem. If you purchase another brand modem, you will probably have to reverse wires 2 and 3 on one end of your cable. To verify this, compare the pin listings shown in the manual for your modem against those for the TI shown in the RS232 manual. Data In for the computer must be connected to Data Out for the modem and vice versa.

You may see "internal" modems advertised for lower prices than the same brand "external" modem. They are less expensive because they get their power directly from the computer rather than their own power supply and they do not have a case. There are no internal modems currently available for the TI994/A.

There is one more thing you need before you can transfer data between computers - the software or "telecommunications program" designed especially for your computer. This program directs your computer how to use the modem and how to transfer information between the two computers. For the TI, most telecommunications programs will require 32K memory and either the Editor Assembler or Extended Basic cartridge.

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<x>: HUG Meeting date

HUG Newsletter
c/o Kim Peterson
13107 Bafing
Houston, Tex. 77099-2244

HUG MEETING LOCATION MAP

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E   |<= Claremont   |
n   |               |   N
t   |ooooo         St |   W*E
r =>|o*  o <= Johns |   S
a   |ooooo         School |
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c   | Westheimer    |   K
e   |               |   i
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HUG MEMBERSHIP INFORMATION

Annual Renewal Fee: \$15, Initiation Fee (new members ONLY): \$10. New members receive 6 free programs from the HUG Library. Please send renewal and/or new membership fees to: Houston User Group, c/o Ruth & Sandy Herman, 6219 Sanford Road, Houston, Tx. 77096. Membership applications are available from Ruth or the club BBS: HUG-TIBBS @ (713) 475-8909 Please direct any questions regarding current membership to Bob McCarthy @ (713) 955-7939

FIRST CLASS

Membership Renewal Status

(four digit code left of your name)

If code contains one of the following:

- * : membership expires with this issue
- ** : dues one month delinquent
- *** : dues two months delinquent
- "LAST ISSUE" : Membership deleted!!!!

DATED MATERIAL
DO NOT DELAY