



DYNAMIC MEMORIES™

* Tandy Corp./Radio Shack Inc.

Pete Fratus

tells all about
the goodies
in

Load80

Load80

Load80

At the Feb. 19 meeting



wh

FEBRUARY

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Time: 7:15 - 10:30 PM

February 19, March 19, April 16

PRINCIPAL SPEAKER: Pete Fratus on Load 80. There will also be a discussion on the TAX CONSULTANT--an income tax program program--more on this on page 2 and 3.

The first Wednesday of every month is for Model 100 fans. Other TRS users are tolerated. Same venue, same time.

MEMBERSHIP

If you wish to become a member of SBUG and start receiving our newsletter "DYNAMIC MEMORIES", then send \$18 (check or moneyorder) to the following address:

South Bay TRS-80 Users Group
P.O. Box 60116
Sunnyvale, Ca.94088

or come to one of our meetings. If you also wish to communicate with our bulletin board system (SBUG-80) then include an additional \$25 (a one time fee) for an account on the system. You must be a member of SBUG to have an account on the system. Please include your address and phone number.

[illegible]

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YOUR STEERING COMMITTEE

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<hr/>		
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Treasurer		
Don Rhodes	(DON)	(###) ###-####
Secretary		
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(docs) Pete Fratus	(FRATUS)	(408) 258-8389
SBUG-80 Sysop:		
Robert Byrd	(SYSOP)	(408) 945-9990

OTHER KEY INDIVIDUALS

Cover Artist: Wright Huntley (Hooray)

Host Computer: SBUG-80 (EVERYONE) (408) 946-2286

If the need arises, feel free to give any one of a call.

THE EDITOR'S BITES & BYTES

I think that all of you will be pleased with the changes that are taking place in SBUG. Last year we did a good bit of drifting with the wind, and there wasn't much of a wind. I feel certain the discussions will be livelier and more varied.

This month as the inside cover informs you, Pete Fratus will give us a computer's eye view of Load 80. Thanks to Wright Huntley's fine cover, I doubt that any of you are in doubt about the subject. Additionally, there will be a talk on TACS SOFTWARE's income tax program. The one we have at hand is the 1983 version. The 1984 version may be purchased for \$12.00. I think you'll find it a bargain, if you pay income taxes. If you don't, you're either very lucky, or very unlucky.

Next month I will speak on ALL WRITE, certainly one of the best word processors around. In April, there will be a panel of experts to discuss, dissect, and defend their favorite DOS's with bludgeons and scalpels. It is to be expected that some rhetorical blood will flow during this one.

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Model 4 Software which runs in Model 4 Mode
Courtesy of Pete Fratus

January 25, 1985

Communications:

By	Price	Company	Discounted
Disk Term	69	Indiana Sw Dev	
Let's Talk	149	Good Sw Corp	
LS-Host/Term	199	Logical Systems	
Lterm 4	60	Termsoft	
MicroLink II	80	BT Enterprises	
Modem-80	80	Alternate Choice	
Mterm 4	79	Micro-System Sw	50 AMI
Omniterm	70	Lindberg Systems	
Telcom I	40	Mumford Micro	
Pro-x-FTS	25	Misosys	

Conversion/transfer:

Conv3to4	50	Educational Micro Sys
Ehlen III to 4	40	Ehlen
HyperCross	50	Hypersoft
HyperCross/XT	100	Hypersoft
PRO-CURE	40	Misosys
SuperCROSS/XT	100	Powersoft

Data Management:

COBOL Query	150	Tandy	
Multiplan	200	Tandy	169 MM
Powermail Plus	150	Powersoft	125 DiskCountData
Profile 4 Plus	250	Tandy	212 MM
pfs:file	125	Tandy	85 MM
pfs:file	125	Tandy	85 MM
pfs:report	100	Tandy	107 MM
Super 2.3	199	Scientific Analysis	
Superlog 4	120	KSoft	100 JMG
Target PlannerCalc	100	Tandy	85 MM
TK!Solve	300	Tandy	255 MM
T/Maker	299	T/Maker Company	
Visicalc, Enhanced	100	Tandy	85 MM

Editors:

LS-FED II	49	Logical Systems
LS-LED	49	Logical Systems
PRO-SAID	25	Misosys

Games:

Move Perfect	3D TTT	35
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Graphics:

Datagraph	80	Micro Sw Systems	70	DiskCountData
Dotwriter 4	100	ProSoft	70	JMG
Graphyx Solution	200	Micro-Labs		
Hi-Res Graphics	250	Tandy	225	MM
PRO-ZGRAPH	25	Misosys		
Plotpro				

Languages :

Alcor C	250	Tandy	212	MM
Alcor Pascal	250	Tandy	212	MM
ALDS	149	Tandy	126	MM
Aztec C80	199	Manx		
Aztec C80/Pro	349	Manx		
Aztec C II	199	Manx		
BASCOM-4	199	Tandy	169	MM
COBOL-4	199	Tandy	169	MM
CP/M-80 to				
TRS-80 Cross	750	Manx		
FORTRAN-4	100	Tandy	85	MM
Instant Assembler 3.0	70	Mumford Micro		
LS-TBA				
(Basic Answer)	79	Logical Systems		
Multi-Basic	139	Alcor		
Pascal 4	199	Tandy	169	MM
PRO-HartFORTH	75	Misosys		
PRO-LC	125	Misosys	100	JMG
PRO-CREATE				
(ED AS IV)	75	Misosys		
PRO-CREATE 6.X Plus (Basic ext 38		40		Micro-Systems Sw
Zues Assembler	75	Cosmopolitan Electncs	84	AMI

Operating Systems:

CP/M 2.2				
Montezuma	169			
CP/M Plus	150	Tandy	126	MM
DOSPLUS 4A	140	Micro Systems Sw		
Rose's CP/M 2.2	69	Total Access		
TRSDOS 6.2	(bnd1Tandy)			

Utilities:

BSORT/MOD324	sort	49	Logical Systems
COPYCAT 3	copy	500	Omnisoft Research
Demon Debugger	dbug	40	Mumford Micro

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2.0

Disk Index	libr	40	Mumford Micro		
DISnDATa	dsmblr	50	Pro/Am Sw		
Dostamer 4	cmds	50	CDC		
DoubleDuty	multitask	70	Tandy	59	MM
DSM4	sort	9	Logical Systems		
LS-DiskDisk	NA	100	Logical Systems		
LS-FM	file	49	Logical Systems		
LS-HELP LDOS	help	29	Logical Systems		
LS-Help Gen	help	49	Logical Systems		
LS-Help Text Src	help	29	Logical Systems		
LS-Technical Help	help	39	Logical Systems		
LS-QFB/Comp	copy	49	Logical Systems		
LS-Utility Disk	util	49	Logical Systems		
Overdrive	NA	99	Logical systems		
PRO-ADE	disk	40	Misosys		
PRO-CESS	file	25	Misosys		
PRO-CON80Z	transltr	25	Misosys		
PRO-DD&T	dbug	25	Misosys		
PRO-DESCRIBE	dir	25	Misosys		
PRO-DUCE	dsmblr	25	Misosys		
PRO-ESP	util	25	Misosys		
PRO-GENY	cmds	25	Misosys		
PRO-HELP	help	15	Misosys		
PRO-IFC	dir	25	Misosys		
PRO-MACH2	disk	25	Misosys		
PRO-MLIB	file	25	Misosys		
PRONTO	window	50	available March 85	Misosys	
PRO-PaDS	file	25	Misosys		
PRO-ZCAT	libr	25	Misosys		
PRO-ZSHELL	cmds	25	Misosys		
Rapidos	copy	40	Rapidynamic Sw		
6.X Plus	Basic ext	38	Micro Systems Sw	38	AMI
SuperUtility 4/4P	disk	80	Powersoft		
Talker 4.0	voice	40	Alpha Products		
Toolbelt	util	50	Powersoft	45	DiskCountData

Word Processing:

Allwrite	200	ProSoft		
Lazywriter	175	--	73	
LeScript	130	Amitek	94	JMG
Mscript	89	--	66	DiskCountData
Scipsit	100	Tandy	85	MM
Scipsit Dictionary	100	Tandy	85	MM
SuperSCRIPSIT	200	Tandy	169	MM
Typitall	130	Howe Sw	91	JSoft
Typitall				
w/spel Chkr	180	Howe SW		

Applications:

Accounts Payable	200	Tandy	169	MM
Accounts Receivable	200	Tandy	169	MM

Apartment Manager	300	Tandy	255	MM
General Ledger	200	Tandy	169	MM
Inventory Control	200	Tandy	169	MM
Invoice Writer	50	Tandy	42	MM
Payroll	200	Tandy	169	MM
Post Plus	160	MCTel		
Security Value				
Monitor	125	Ehlen		
W-2 Writer	50	Tandy	42	MM
xT.CAD	450	CB		
Microdex				

CP/M Software:

CalcStar				
CBASIC	100	Tandy	85	MM
DataStar	175	MM		
dBase II	385	MM		
LCOPY				
((C/PM)TRSDOS)	40	Misosys		
MailMerge	125	MM		
MBASIC	254	MM		
Monte's Windows	49	MM		
ReportStar	150	MM		
SpellStar	125	MM		
StarIndex	85	MM		
SuperSort				
Turbo Pascal	50	Borland	45	MM
WordStar	250	MM		

Note: Advertisements for most of these products can be found in at least one of the last 6 issues of 80Micro. Details on the Logical Systems and Misosys products (no pun intended on the pro-) can be found in their respective catalogs.

DOCUMENTATION LIBRARY CHECKOUT POLICY

from Document Librarian Pete Fratus

For each document checked out, there is a \$1 fee and a \$10 deposit. The deposit can be a separate check made out to SBUG. The checkout period is a maximum of one month and no renewals. Returns may be made at my home, place of work, or the next meeting. Pete Fratus, home 258-8389, work 725-8111 ext 4697.

TITLE

ut 6.0 PLUS
lit 80 MICRO REVIEW GUIDE
ut ACCEL 2
ut ACCEL 3
ut ACCEL 3/4
ed ALAN GELDER/SS EDITOR
dm AIDS-II

SOUTH BAY TRS-80 USERS GROUP

lit ANATOMY OF LEVELII
lan APL 80
lit APL EXAMPLES
lit APL INTRO
lit ASSY LANG SUBROUTINES
dm AUK CFS AND SORT
lan BASIC COMPILER MICROSOFT
lan BASIC-80
lan BASIC, NEWBASIC AND SUMMARY
lan BASIC, INFINITE BASIC
lit C APPENDIX SHEETS
lan C COMPILER INTERSOFT
dm CCA - DMS
ut CO-DIR 2.1
ap COMPUTER AIDED TEACHING
lit COPYRIGHTING YOUR SOFTWARE
os CP/M 2.2 USERS GUIDE
lit CP/M NOTES
lit CP/M NOTES OSBORNE
lit CP/M SYSTEM ALTERATIONS
lit CP/M USERS AND VENDORS
lit CUSTOM TRS-80, THE
liq DATA COMM HANDBOOK, TRS-80
lit DATA COMM SYSTEMS, RS
ut DATAGRAPH
com DATATERM
ed DCS EDIT
ut DISK INDEX 3 AND 4, MUMFORD
lit DISK INTERFACING GUIDE
ut DISASSEMBLER, MISOSYS
os DOSPLUS 3.4/4.0 USERS MANUAL
os DOSPLUS 3.5 USERS MANUAL
lan EDAS MISOSYS
ed EDIT 80
lan EDTASM RS
ut ELECTRASKETCH
dm ELECTRIC NOTEBOOK
wp ELECTRIC PENCIL 2.0Z
dm ENBASE 2.00
lan ENHBAS
ut EXEC
ut FASTER & QUICK
wp FLEXTEXT
ut FLOPPY DOCTOR

TITLE

wp FOOLPROOF GUIDE TO SCRIPSIT II
lan FORTRAN 80 USER MANUAL
lan FORTRAN 80 REFERENCE MANUAL
ap GAMES, MISC. GAMES DOC
lit GRAB TRSDOS BY THE HORNS
wp GRAMATIK
com HOST-TERM, RS

ap HOW TO SUPER/VISICALC
 ut HYPERZAP
 lit INTERMED. PROGRAMMING, TRS-80
 lit INSIDE SUPERUTILITY PLUS
 lit INTERFACING PROJECTS
 lit INTRODUCTION TO C
 dm IRV
 lit KIM WATTS' NOTES ON SU
 ap LABLMAKR/CASSLABL
 ut LDOS 5.0.2 UTILITIES
 os LDOS 5.1.X
 lit LDOS NEWSLETTERS
 ed LS-LED EDITOR
 lit MACHINE LANG DISK I/O
 lan MACRO 80
 ut MACRO-MON
 ap MAILIST 2
 ap MASTER DRILL
 dm MAXI-MANAGER
 ap MICRO BOND PROGRAM
 com MICRO LINK II
 ap MICRO MUSIC
 dm MICROCONDUCTOR
 wp MICROPROOF
 com MODEM 80
 lit MORE THAN BASIC, THE TRS-80
 os NEWDOS/80 V2
 wp NEWSRIPT
 com OMNITERM
 ap OPTIONS ANALYSIS
 ap ORCHESTRA 80
 lan PASCAL, TINY
 lan PASCAL, UCSD
 lit POWER OF VISICALC
 ut POWERDRIVER
 dm PROFILE III
 dm PROFILE III HARD
 DISK
 ut PRO-CESS
 ut PRO-DUCE
 ut PRO-HELP
 ut PRO-PADS
 ut PRO-ZGRAPH
 lit RS 232 MADE EASY
 ap SHOW AND SPELL

TITLE

lit SIG/SOFTWARE #4 (CP/M)
 ut SNAP-WARE
 com ST80 III AND ST80D
 gam STARFIGHTER
 ut SUPERDIRECTORY
 ut SUPERSCRIPT

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ut SUPERUTILITY 2.2
ut SUPERUTILITY 3.2
ap TALLYMASTER
ut TASMON
ut TBUG Z80 MONITOR
ut TOOLBOX FOR LDOS 5.1.3
ut TRAKCESS
ut TRASHMAN
lit TRSDOS 2.3 DECODED
dm VERSAFILE
ap VIDEO TRACKER
ap VISICALC
lit VISICALC OSBORNE
os VTOS 4.0
lit WHY USE VISICALC
wp WORDSTAR
lit WRITING WITH WORDSTAR
lit Z80 REFERENCE CARD
lit Z80 ROM ENTRY POINTS FOR MOD I

ABOUT TAX CONSULTANT

This is a program for the small taxpayer. The author is:

John S. Talbot
TACS SOFTWARE
7865 Valley Quail Ct.
North Highlands, Ca. 95660

We have in hand a disc copy of the '83 program and permission from the author to copy it as we wish. The author will sell you the '84 version for \$11.95 including shipping and disc. If you are interested in the '83 version, bring your disc(s) to the meeting to make copies.

EXPERIENCES WITH LEARNING ASSEMBLY LANGUAGE

By Pete Fratus

Problems started with the HP2631A printer as soon as I got it home. It has no capability to do a line feed after a carriage return. Of course, the TRS-80 doesn't put one out with every line, so I tried several methods in BASIC to handle the problem. Short of rewriting every program, making special arrangements in Scripsit, etc., I decided to modify LPC/CMD, the Tandy line printer controller.

LPC removes duplicate line feeds from every line when it follows a carriage return or form feed. This is exactly the opposite of what I needed. A disassembler was used to get Z80 source for LPC, then EDTASM was used to make changes.

This was more than just a quick job. To begin with, I know some assembly languages, but not Z80. The learning process begins. Additionally, there is little documentation for those deciphering the code of LPC and the four areas of ROM

that it communicated with.

This is what I learned.

Documentation for LPC/CMD says that it loads itself into high memory and 'hides'. The first half of the code was devoted to this task. First, the address of the length of the new driver code is subtracted from HIMEM, then that new address is stored in the address within the printer driver. This directs printer requests to the new driver. Then addresses for a variable within the LPC are modified for its new location. The loader then copies the driver code into the new location and returns to DOS.

When in operation, the driver masks the high bit of the print character out with an AND or 7F; checks the last character printed for a CR, LF, or FF; and returns to a ROM address to print it if it wasn't one of those. If the last character was a CR, LF, or FF, the driver checks the new character for a LF and goes to 'no print' ROM location if it is, otherwise it goes to the ROM address to print it.

That part wasn't too difficult to figure out. And the Z80 language wasn't too bad either. The difficulty came when I tried to modify the driver. That is just a mess to try to do--too much room for error. After relabeling the source program, I wrote in a routine to check the new character for a CR and return to the printing routine if it was. Otherwise, I would print the CR and my own LF, then return to the non-printing location of ROM. Sure! Do you think it's that simple? Now instead of everything printing on the same line, a line feed was done at the end of each, but no CR. Success finally came after figuring out that I should just print a LF then return and let ROM print the CR. That worked fine!

Wow, what did I learn? Well, you can specify the BASIC line length by POKEing 16427 with a new value. The Z80 uses the Load opcode for 'storing' a register into a memory location, in addition to using it to 'load' a register. The JR opcode for doing a jump relative to the current position is misleading.

The documentation for it says that a displacement from the current position must be used as an operand. Wrong! The actual address for the jump is used, the assembler figures out the displacement. The carry flag is somehow affected by a compare operation, but the documentation does not say how. An XOR on a register makes an easy way to clear it. I don't know what an AND or OR to itself does, maybe clear a flag. The Z flag is set to 1 (true) if a comparison was equal. It seems that the NC and C flag condition can be used to test for < (less than) or > (greater than). Contrary to what I had thought, OUT does not trigger an interrupt.

That new driver works fine for TRSDOS and BASIC output, but SuperSCRIPIT completely ignores it. I suppose it's time to get out the code for that Epson driver and alter it.

I spent an entire Saturday altering the Epson driver. The alterations weren't too bad, getting it to work was exhausting! In the early passes, I included code to check for some Scripsit printer codes. (Clear with another key), initialize the printer with a carriage return (but no line feed), and add a line feed to every carriage. Adding the escape sequences to accomplish this was really more fun than work. The difficulty came when I tried the new driver with

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SuperSCRIPSIT. After the first line printed and I added and printed my line feed, the 'continue printing?' question came out as garbage. Only a break would get out of it. This happened no matter how I structured the code in the PRTCHR subroutine; I tried both recursive and duplicate inline coding. When I discovered the one line note about nulls and line feeds after carriage returns in the Scripsit appendix, I quickly took the code out. All right! Now where did the SOH characters on my printer come from? I must have spent 2 hours trying to figure this out. The binary code for an SOH is 1. The value in the byte for the number of carriage returns is a 1.

As it turned out, the byte should contain a 00 or a 0A in hex, not a number of carriage returns. It's strange that the writer of the Epson driver didn't have this same problem with the SOHs.

Now I have my HP2631A printer driver for SuperSCRIPSIT and will start on the one for the HP2602A. I've learned a lot about assembly language. The one thing that I haven't figured out is why making that one small change to the print character subroutine made such a mess for SuperSCRIPSIT. I even went as far as to put a CR back into the A register after I printed it. That still didn't help.

*MAIL

<Message from IANWEBB at SBUG-80 01/26/85 08:17:12>

Read command :

I AM PUTTING A PROGRAM, RTC/CMD, IN THE INDEX AND ON THE BOARD. FOR MODEL 4 USERS, THIS PROGRAM (WITH LDOS 5.1.X) WILL LET THE REAL-TIME CLOCK RUN AT THE RIGHT SPEED WHEN USING THE MODEL III MODE WITH THE "SYSTEM (FAST)" OPTION SET. (MODEL 4 CLOCK SPEED) LET ME KNOW HOW IT WORKS IF YOU TRY IT.

Read command :

<Message from FRATUS at SBUG-80 01/27/85 17:38:38>

RE: TAX PROGRAM DEMO DISK

Read command :

AT THE LAST STEERING COMMITTEE MEETING, DON RHODES AGREED TO BRING HIS MODEL 3 TO THE FEB MEETING TO MAKE COPIES OF THE TAX DEMO DISK. IF YOU WANT A COPY, PLEASE BRING A 'GOOD' DISKETTE AND WE WILL COPY ONTO IT. BERNIE ALSO SAID HE WOULD SEE WHAT ED HOOVER HAS TO SAY ABOUT IT'S USEABILITY.

Read command :

<Message from DON at SBUG-80 01/27/85 18:49:03>

RE: TAX PROGRAM

Read command :

Yes, I will bring my Model III for backups of the Tax program for those who bring a diskette.

I have single and double sided drives. I will be running the program before then to see how it works and submitting a review to the EDITOR.

.... DON

Read command :

<Message from IANWEBB at SBUG-80 01/27/85 20:38:38>

RE: CLOCK PROGRAM FOR HOLMES BOARD

Read command :

I have uploaded clock34/cmd which will read the Holmes clock board automatically using the Model 4 in the

model 3 mode. If you have a Holmes controller and clock you will be interested. If you have a different clock and want source code, drop me a note.

Read command :

<Message from DON at SBUG-80 01/27/85 22:21:26>
RE: STEERING COMMITTEE

Read command :

=> To members of the Steering Committee <==

**** By-Laws ****

The newly revised By-Laws have been uploaded.

No password was provided....DON

Read command :

<Message from HARRY at SBUG-80 01/28/85 15:37:22>

Read command :

Will the TAX demo program work on a Model I?

If so would you please not use TRSDOS, DOS or

Multidos or Ldos, so that model I's can copy it

without trouble.

Thanks,

Harry

Read command :

Message from MANGR at SBUG-80 01/28/85 18:54:26>

Read command :

Hi, I would like to know if someone has the

CREATOR II & Docs?

Also, any info on the Misadventure Series which was on the BBS?

Also, MiniCalc gives a syntax error in line 7500 Sound.....!!!

Also, Continued graphic problems with Model 4P, 16892,2 does not help...FORMGEN/BAS has brought this problem to light ?!?

I thing that's enough problems for one night

Thanks---- Mangr (Jim) 246-5286

Read command :

<Message from ANDERSON at SBUG-80 01/29/85 09:14:50>

RE: FOR SALE

Read command :

Dick Chamberlin called me the other day and said that he has some drives for sale.

Three MPI 40 Track Single side, Double density

With power supply and case - \$110 each

Bare drives - \$75

Call Dick at 415-948-7799

Tom Anderson

Read command :

<Message from ANDERSON at SBUG-80 01/29/85 09:24:50>

RE: TAX PROGRAMS

Read command :

Ed Hoover and I are no longer selling tax programs.

It is too much work to keep up with the administration.

Too much follow up on bugs, who has what, etc. I have

done an extensive rewrite of the programs for 1984 just

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for my own amazement. I won't be able to get to the next meeting but if anyone is interested in using what I have just call me or leave a note to come and get. Since these are of salable quality I would like SBUG members to keep them within the membership. If anyone would like to take on the selling and update job we could probably make some arrangement for next year. Too late for this year.

Tom Anderson

Read command :

<Message from ANDERSON at SBUG-80 01/29/85 09:39:02>
RE: MPI SERVICE MANUALS

Read command :

I HAVE A DOUBLE SIDED 40 TRACK MPI DRIVE THAT IS IN GOOD SHAPE EXCEPT THAT IT WANTS TO RUN ALL OF THE TIME. IN ORDER TO DO A FIX I NEED A MANUAL. DOES ANYONE HAVE ONE ?? . WOULD ANYONE LIKE TO BUY IT AS IS ?? IF SO MAKE AN OFFER SINCE I AM NOT IN A SOLDERING MOOD AT THE MOMENT.

THANKS

TOM ANDERSON

Read command :

<Message from ANDERSON at SBUG-80 01/29/85 09:50:05>
RE: RIBBON INKING

Read command :

Reading past mail I see that one of my messages got lost. I saw some chatter on the board about reinking ribbons and thought I might be able to help. I think I qualify as the ORIGINAL INKER in SBUG. As many of you know I built an automatic inker for \$5. I have since upgraded it to ink without felt pads by control of the flow of ink using surface tension. I recently reinked 20 or 30 HITYPE I Diablo ribbons in 3 or 4 hours. The amount of ink can be controlled from meager to sloppy. I tend to ink on the sloppy side because the ribbon lasts longer. I haven't tried inking EPSON or other ribbons, just Diablo. Would be happy to assist, consult or whatever with anyone who wants to do some reinking. I should mention that the first step before reinking might be to judiciously spray with WD-40. Let it dry before using otherwise it splatters the paper.

Tom Anderson

Read command :

<Message from DON at SBUG-80 01/29/85 19:32:07>
RE: DRIVE FOR SALE

Read command :

Radio Shack's external disk drive for the Model III (single sided double density 40 track).

It has the housing and power supply built as one unit, ready to cable to the computer!

Asking price \$75.....DON

Read command :

<Message from DON at SBUG-80 01/31/85 16:21:14>
RE: Ribbon Inking

Read command :

I have been re-inking my Daisy Wheel II fabric ribbons for the past 4 months using an inking device built for that purpose. The Ink came with the device. The model I purchased is without the moter (hand crank model). It takes me about 5 minutes for each ribbon. If anyone wants to use this device to re-ink their ribbons, give me a call, bring your ribbons over and spend some time here. I now purchased a Epson FX 100 and haven't tried to re-ink that ribbon yet! I'll find out how that goes, eventually!

.....DON

Read command :

<Message from GMCKEE at SBUG-80 01/31/85 19:34:48>

RE: Computer Lease

Read command :

From time to time I am approached to set up a lease of a Model I or Model III Computer. I generally SELL the unit to the user, with a buy-back arrangement! This is the least expensive way for the user, however, if a TRUE Leasing arrangement is desired, it will be arranged.

To come up with a pricing arrangement, the following examples are offered:

Buy a Model III with 48K and two SS drives \$800.00

Keep the unit 3 Months and get back \$600.00 upon it's (in Good condition) return! Cost \$200.00 for 3 Month's use! Want to Lease the same unit? \$1000.00 Personal check Security deposit, and pay (IN ADVANCE) two months Lease charge of \$130.00 per Month (\$260.00).

What makes the BIG difference in the charges?

If I keep ownership, I MUST keep the unit insured, and PAY for any repairs! By the way, lease charges are based upon the total price of the device, including tax divided by ten to twelve to determine the Monthly charges. This does NOT cover repair, nor Insurance!

Of course, you Could buy one outright!

(From ANYONE)

I CAN set up a MODEL-IV for you....Configured the way you want it...in a similar manner!

To set up the Lease you want, contact me GMCKEE at SIX-S-ENTERPRISES (408) 943-9489.

Read command :

<Message from GMCKEE at SBUG-80 01/31/85 19:36:33>

RE: H E L P W A N T E D!

Read command :

If some fine Computerist could help a needy attorney in the following situation, contact GMCKEE at (408) 943-9489.

The program is WordStar, the computer H P 150 with Hard Disk. 85 Files will sort in Alphabetic order BUT!! when 85 files are exceeded, the sort by Alpha goes HAYWIRE! Is this an HP or a WordStar defect? Is it solvable? THANKS.

South Bay TRS-80 Users Group
P.O. Box 60116
Sunnyvale, Ca 94088

FIRST CLASS MAIL