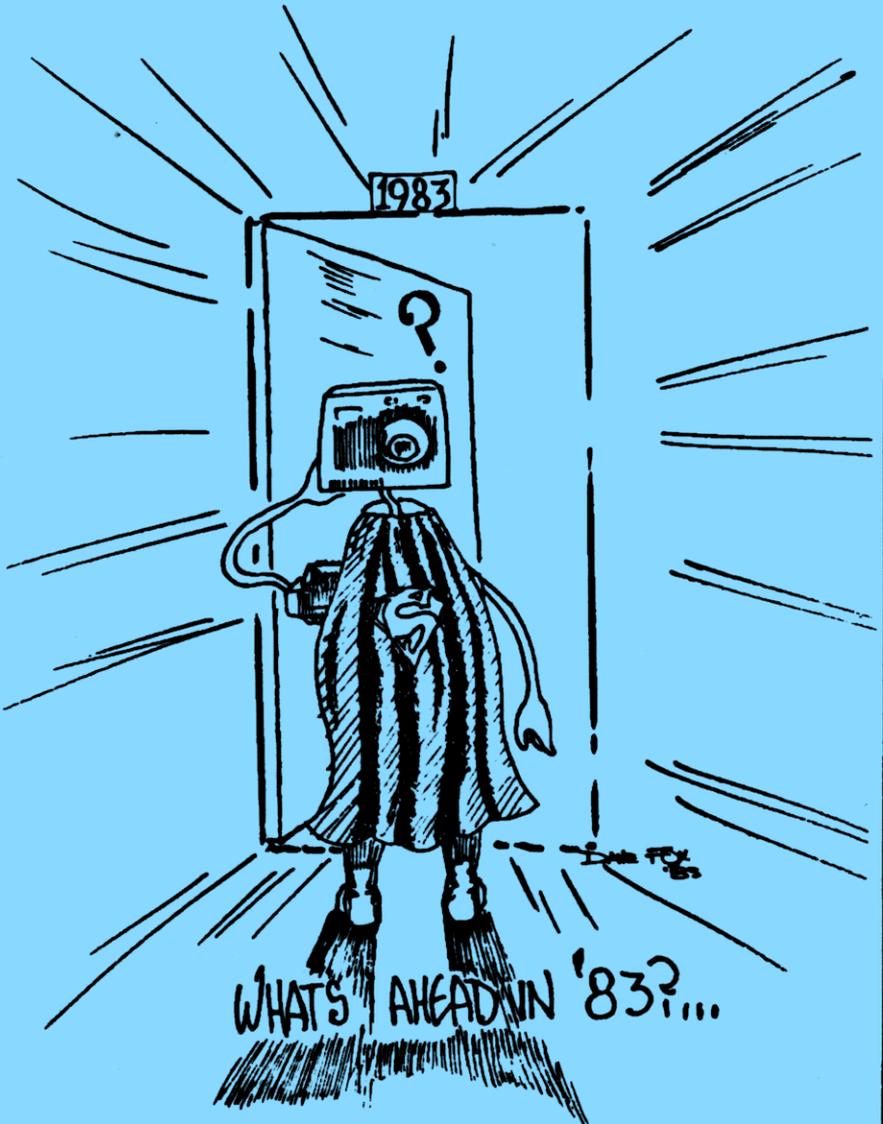




DYNAMIC MEMORIES[™]

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JANUARY 1983



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

DON'T FORGET YOUR DUES!

As we did last year... We have sent everyone their January newsletter. But, if we don't receive your dues before the next newsletter, there may not be a next newsletter. At the November meeting it was decided that the dues for 1983 will be \$18.00. So, get your dues in right away. You could pay your dues at the next meeting or, your treasurer would prefer that you send it to:

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

If you wish, you could include it with your questionnaire that was in the December newsletter. Some members have stapled it inside...

Please! Fill out and return your questionnaire. This information could be used to your advantage. Mike McHenry plans to enter this information into a data base manager and make the information available to all members. Wouldn't it be great to have a list of all Model III owners if you also own a Model III? Or, who has MX-80s??? We need group participation if this project is to work! I feel, with the experience of this years steering committee, this could be SBUG's best year!

Robert Byrd
EDITOR @ SBUG-80

MACHINE LANGUAGE DISK I/O AND OTHER MYSTERIES

Machine Language Disk I/O and Other Mysteries, by Michael J. Wagner is the latest in the series of IJG books which started with Pennington's Disk & Other Mysteries. It is advertised at \$29.95, but I found it at Stacey's bookstore on University Avenue in Palo Alto for \$20.95.

The book is in the 8 by 11 format of the other books in this series, soft bound and with a glossy paper cover. It is nominally 270 pages long, but this figure is deceptive as you will see shortly. The chapters of the book lead one through an explanation of the operations from the TRS80 disk controller specification sheets. None of the material in the book is really unavailable elsewhere; the material is just difficult for the naive user to figure out from the manufacturer's literature! The use of all the disk I/O commands is demonstrated with sample programs written for the Model I. How to use routines available within popular operating systems is demonstrated.

Unfortunately, what could be a good book is flawed by some poor presentation. The book is aimed at the Model I with minimal supplements in each section which attempt to explain differences between the Model I and the Model III. With little additional effort, the author could have presented the material side-by-side so that the reader could have followed either explanation. It is obviously a case of writing a book for the Model I and then "patching it" for the Model III so it could be advertised as being for both machines.

The book is poorly proofread, although not as poorly as Kitz's Custom TRS80 book by the same company. For those in the club who are grammar nuts, the author and editors do have some problems understanding the proper use of English in things such as correct use of the subjunctive. For those of us who are less concerned with grammar, the book has glaring errors such as an incorrect bit pattern in a figure for the restore command and its associated discussion. To figure this one out, one has to extensively cross check with the Western Digital controller specification sheet. This is a serious error which a little bit of care could have eliminated.

The author is not consistent in his naming of commands. In one place he will call something by one name and then later refer to it by another name. This makes it difficult for the first time reader to figure it all out. I feel, as a teacher, there is no excuse for a publisher letting this type of thing get through the editing of a book. I doubt that IJG did much to have the manuscript read by others not closely connected with the book and its publication.

I mentioned earlier that the book is 270 pages long. Well, pages 196 to the end are Western Digital data sheets and application notes. Page 175 to 195 is a terminal program. We are now down to a 170 or so page book. Much of the rest of the book consists of programs and routines which are in full typewriter sized type. This is fine for use and keying into the machine, but in reality, not all this is useful or even instructive to the person who buys the book to learn something. In some instances, programs of a page or two are fully duplicated with such minor modifications that they could have been handled with footnotes or short notes within the original program.

Being overly charitable, I feel there are perhaps 100 pages of usable instructive material in this book. So, at over \$20 for the book, you are paying perhaps 25 cents per page for the meat of the material.

Is this book worth it? Only you can decide. If you like pouring over the manufacturer's data sheets, the answer is no. The material is all there for you. Is your time worth something? Do you get frustrated trying to figure out data sheets and need some assistance? Then the book could be a bargain.

I am annoyed that a book which could have been VERY good is only mediocre. The author is evidently not a writer. The editor is evidently not an editor. The publisher appears to have been interested in getting something out in a hurry. The book lacks the care that a careful and reputable publisher should have given it.

Ian Webb

=====

A DISK SAVING DEVICE

At a SBUG meeting Rob Byrd mentioned that the bulletin board disks were crashing when the power came back on after a power outage. When the power comes back on the line voltage fluctuates thus causing the heads to chatter resulting in crashed disks and hours of disk recovery. I suggested to Rob that an undervoltage relay could be installed to eliminate this problem.

The accompanying drawing is a schematic diagram of the undervoltage device that is in service on SBUG-80.

The features of this device are as follows.

- 1) The relay is self latching thus it drops out when the power goes off.
- 2) The relay has to be reset by the operator thus allowing

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an opportunity to remove the disks before power is restored to the drives.

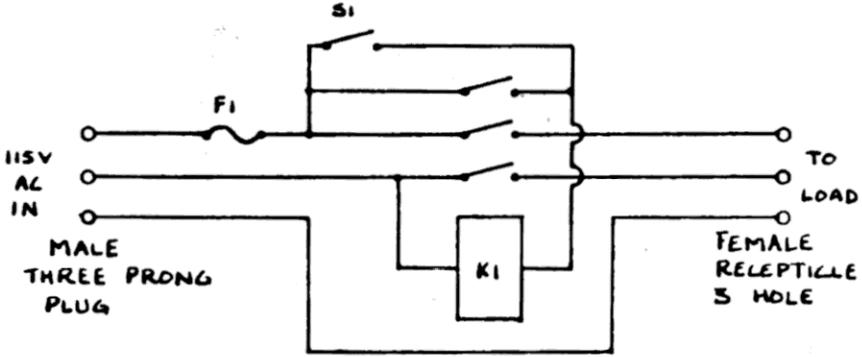
The total cost of this project was approximately \$10.00. The parts were purchased at Halted Specialties on Evelyn Avenue in Sunnyvale but, parts can be purchased at any parts store. Of course if new parts are used the cost will be greater than the \$10.00 this unit cost.

The relay contacts should be capable of handling 120 Volts A.C. @ 15 Amps. To reduce the probability of electrical hazard, both sides of the line should be opened by the relay and the receptacle, plug, and power cord should be of the three wire variety and the ground wire should be carried through the system and not interrupted by the relay.

This circuit can be used any place were the disk drives are running and unattended. You could use this circuit in series with the power line feeding the entire computer system or just in series with the power line to the disk drives.

Roger Anderson
ROGERAND @ SBUG-80

- FI- SLO BLO FUSE RATED FOR YOUR LOAD
- KI- RELAY 3PST (CONTACTS RATED FOR 120 VAC AND CURRENT RATING TO HANDLE LOAD)
- SI- PUSH BUTTON SWITCH NORMALLY OPEN MOMENTARY.



WHAT HAPPENED TO THE DECEMBER MEETING?

The December meeting was cancelled because the DYSAN Auditorium was closed for the Christmas Holiday. I found out about this situation when I called DYSAN on the Friday before the meeting to arrange for an overhead projector. We were not notified earlier because they did not have the name and phone number of anyone in our group to contact! This was surprising after two years of meeting there, but the situation has been corrected.

We tried to contact all the members by using a phone tree approach; each member contacted was asked to call five other members. Sorry if we did not succeed in contacting you.

One member on SBUG-80 bulletin board felt that missing this meeting would cause SBUG to collapse and that we should rush out at the last minute and find a church or someplace to have the meeting. Of course there was no offer of help from this member. If our club dies, it will be due to a lack of the support of the members. A voluntary group like ours is going to be no more or no less than what the members make of it. A quote from Jean-Charles Terrasier (founder of the French Society for Gifted Children) is appropriate here. This was published in the newsletters of the Silicon Valley Computer Club and the First Osborn Group (FOG), which also meet at DYSAN:

HOW TO KILL AN ENTERPRISE

1. Don't go to meetings.
2. If you go, arrive late.
3. Criticize the work of the organizers and members.
4. Get mad if you are not a member of the committee, but if you are, make no suggestions.
5. If the chair asks an opinion on a subject, say you have none. After the meeting say you have learned nothing, or tell everyone what should have happened.
6. Don't do what has to be done yourself, but when the members roll up their sleeves and do their best, complain that the group is run by a bunch of ego-trippers.
7. Pay your dues as late as possible.
8. Never think of introducing new members.
9. Complain that nothing is ever published which interests you but never offer to write an article, make a suggestion, or find a writer.
10. And if the enterprise dies, say you saw it coming ages before.

I hope in the next year we can get more member participation in the club. Please turn in your membership survey from the December newsletter and indicate how you

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could contribute to the club.

We are going to have a theme for each of the meetings starting with February:

* Sabri Kawash will be responsible for the February meeting and the theme will be TRS-80 clones. Please contact Sabri if you would like to show off the capabilities of your LNW, MAX-80, or whatever.

* The March meeting will be chaired by Eric Brewer with the theme of TRS-80 computer communications.

* Mike McHenry will organize the April meeting with the theme of TRS-80 graphics...including MX-80 graphics.

The next (January) meeting will be chaired by Mike McHenry. There will be a presentation by Lockheed on the DIALOG information retrieval system. DTC will demonstrate their new 32 CPS daisy wheel printer (\$1199), and Tom Anderson will show us how he has used some of the Basic Faster and Better screen formatting routines for an income tax program.

Mike McHenry
MCHENRY @ SBUG-80

SBUG-80 MAIL CORNER

<Message from COMFVSN at SBUG-80 12/02/82 02:22:18>
RE: Disk Drive Problems?

Recently I have been getting many of Tandon and newer Radio Shack (also Tandon) disk drives in for repair. I have found:

A) Head pads are being worn down prematurely. I believe this is being caused by excess use of head cleaning disks.

B) Tandon drives suffer from CRC errors at higher tracks when placed too close to CRT RF power supplies located on the left sides of both Model I & III computers. Place drives on the right side.

C) Noisy drives can sometimes be made quieter by placing a small amount of oil on the head rails. Be careful trying this.

D) I have found several drives out of alignment due to loose main set screw inside the drive where it looked like you could adjust the drive using the external fine adjustment but it would only last a short time. I even found this on drives Radio Shack had just adjusted.

E) Note: The Tandon drives are excellent disk drives and will work well on Models I & III without problem. The older Radio Shack Shugart SA 400 drives will not work with standard Model III TRSDOS 1.3, therefore sell your older drives when upgrading to Model III but keep the newer drives to use with your Model III or LNW II.

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If you have any questions on drives give me a call
at 554-0666 Bruce.

Message from COMPVSN at SBUG-80 12/02/82 02:38:47
RE: New Items at B & C Computervisions

Some new items in are:
FASCAL 80 by New Classic Software
Disk I/O & Other Mysteries
Apparat EPROM Programmer now only \$120.00
DC Hayes Smartmodems both 300 & 1200 baud
Frogger by Cornsoft (great sound and action)
Acorn language courses (German, French, Spanish & Italian)
***** COEX 80 F/T printers at \$395.00
Many new games are do in shortly some will not make it
by Xmas. The games people are dropping there big push
towards the IBM PC because there is no real market
and are now coming back to give some more new TRS stuff
Chicken, Strike Force, Cyborg, Rally, Sneak Thief, Venture
Vexus, Lucifers Realm, Kaiv, The Wylde and more
For those of you looking for Super Utility Plus I
still have some copies left a the summer special price
of \$49.95. The price after these run out goes back up.
Bruce

Message from MSILLS at SBUG-80 12/04/82 08:49:45
RE: HELP WITH MODEM II

IF ANYONE COULD HELP ME WITH ADVICE ON HOW TO USE
THE AUTODIAL FUNCTION OF THE
RADIO SHACK MODEM II, I PROBABLY HAVE TO WRITE A
PROGRAM FOR THAT BUT DO NOT KNOW WHERE TO START!
PLEASE LEAVE MESSAGE ON "THE BOARD" OR CALL ME AT 225-0607
THANKS MSILLS

Message from ROGERAND at SBUG-80 12/05/82 10:28:09
RE: MX-80 RIBBONS

DOES ANYONE OUT THERE HAVE A LOCAL SOURCE OF MX-80
RIBBONS. I HAVE SEEN ADDS FOR RED AND GREEN RIBBONS ARE
THESE COLORS AVAILABLE LOCALLY?
ROGERAND

Message from GLENN at SBUG-80 12/06/82 18:11:48
RE: LNW80 GRAPHICS

I NEED A DESCRIPTION OF THE BIT MAP FOR THE LNW80 HIGH
RES GRAPHICS. I WOULD LIKE TO CONVERT THE SCREEN DUMPS
TO PRINT ON THE MX80.

GLENN

Message from MARV at SBUG-80 12/07/82 15:53:53
RE: SUPER UTILITY + BACKUP

I just recently bought SU+ and am annoyed because
I don't know of a way to back it up. I can appreciate

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the desires of software producers to protect their products but I don't think I should have to pay \$10 for a backup either.

Do any of you know a practical way to make a backup of Super Utility +?

Thanks,
Marv

<Message from MARV at SBUG-80 12/07/82 16:11:40>
RE: Mod III Directory

I have just recently changed from my Mod I to a Mod III and enjoy finding useful hints. Page 32 of the Dec 82 80Micro has one that I have been looking for.

There are times when I would like the more "conventional" type of directory display than that of the Mod III. The short listing in 80Micro does just that. It provides the same directory display as using CMD "D:dn" from basic.

If anyone is interested but does not receive the magazine, here is the assembly listing. I'll try to type it right.

```
160          ORG          OFFFOH    ;FOR 48K
170 DSPDIR DEFL          4419H
180 JP2DOS DEFL          402DH
190          LD          A,(4225H+7H)
200          LD          IX,4271H
210          LD          (IX),A
220          CALL        DSPDIR
230          JP          JP2DOS
240          END          OFFFOH
```

Saved as "DIREC/CMD", DIREC :dn displays the dir.
You don't even need that pesky colon.

Marv

<Message from JIBBYTRM at SBUG-80 12/09/82 00:08:23>
RE: TRS-80 BASICS CLASS FOR BEGINNERS

HI AGAIN !!!

I AM GOING TO START A CLASS FOR NEW MEMBERS AND NEW USERS ON TRS-80 BASICS. THIS WILL BE A CLASS FOR THE NOVICE WHO HAS JUST JOINED THE CLUB OR FOR THOSE WHO WANT TO KNOW MORE ABOUT HOW THEIR SYSTEM CAN HELP THEM AT HOME AND AT WORK. IF YOU PROS OUT THERE KNOW OF ANY MEMBERS WHO HAVE EXPRESSED AN INTEREST IN LEARNING OPERATING SYSTEMS, HARDWARE, ASSY LANG. AND OTHER SIMPLE THINGS, LET THEM KNOW I WILL BE SIGNING PEOPLE UP AFTER THE MEETING. WE WILL HAVE A SHORT MEETING AFTER THE MAIN MEETING ON TUESDAY. MODI AND III PEOPLE ARE ALL WELCOME.

THE CLASS WILL BE ABOUT THE FOLLOWING

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- 1.) HARDWARE AND ENHANCEMENTS
- 2.) OPERATING SYSTEMS AND THEIR CHARACTERISTICS
- 3.) BASIC PROGRAMMING
- 4.) ASSY LANG PROGRAMMING
- 5.) COMMUNICATIONS
- 6.) FUTURE SYSTEMS
- 7.) PROGRAMS FOR THE HOME
- 8.) INCOME TAX PROGRAMS
- 10.) SETTING UP A DATABASE SYSTEM
- 11.) DO'S AND DON'TS FOR YOUR SYSTEM

WE WILL TRY TO SET UP THE CLASSES AT A DIFFERENT PERSONS HOME SO THEIR SYSTEM CAN BE EVALUATED AND EVERYONE CAN SHARE IN EXPERIENCE OF WORKING WITH EACH OTHER IN A COMPUTER ENVIRONMENT.

LET ME REITERATE!!!! THIS IS A COURSE FOR NEW USERS TO GET THEM OVER THE HUMP AND FEELING RELAXED WITH THE SYSTEM. PASS THE WORD AROUND.

THANKS
JIBBYTRM

<Message from COMPVSN at SBUG-80 12/11/82 01:54:14>
RE: DISK SLEEVES

Just received sleeves for diskettes. I will try to bring some to club meeting on tuesday but sometimes I work late and don't make the club meetings. Originally bought 2000 and now have 1000 left.

Prices : 10 for \$3.00
 100 for \$20.00

<Message from COMPVSN at SBUG-80 12/11/82 02:13:02>
RE: NEW YEARS SPECIALS

Ten to twenty percent discount on all game software. Latest games are FROGGER and CRAZY PAINTER both GREAT! New printer COEX 80F/T an EPSON copy for \$350.00. TANDON and MPI quad density 80 track double sided disk drives for special price of \$250.00. 80 track single sided \$225.00 while they last. CAT NOVATION acoustic modems (ATARI 830) \$99.95. D.C. HAYES STACK SMARTMODEM \$249.00. New FLUKE voltmeters half price limited quantity. 5" to 8" disk drive cable adaptor by LNW \$20.00. FERCOM data separators \$26.95. ACORN language teacher series French, German and Spanish PLANE JANE diskettes \$20.00 for 10. If you have any questions, call me at B&C COMPUTERVISIONS (408) 554-0666

BRUCE

<Message from TREAS at SBUG-80 12/11/82 15:37:17>
RE: MX-70/80/100 RIBBON REPLACEMENTS

South Bay IRS-80 Users Group

DON'T BUY ANY RIBBONS YET!!!!

The SBUG Club has ordered MX ribbon replacements for your printer in black or blue ink. These will be offered for sale for the LOW price of \$5.00 each. They should be available at January's meeting. Any, and all, income above cost will go into the Club Treasury.

Support your local Treasury!!!

Larry Gunderson

<Message from COMPVSN at SBUG-80 12/15/82 18:29:06>
RE: NEW PRINTERS

JUST RECEIVED TWO NEW PRINTERS;
COEX 80 F/T LIST \$450.00 SELL FOR \$350.00
STAR GIMINI 10 \$550.00 SELL FOR \$395.00
BOTH ARE EPSON 80 F/T LOOK-A-LIKES.
ANCHOR HAS A NEW AUTO ANSWER MODEM FOR \$159.00
I HAVE ONE COPY OF RALLY AND CYBORG LEFT IN STOCK
MORE ON ORDER. MICROCOMPUTER TUTORIAL NOW HAS DOS
RANDOM ACCESS & BASIC FILE HANDLING ROUTINES ON DISK
TO GO ALONG WITH THE BOOK. I HAVE MODEL I & III IN
STOCK WITH MODEL II & CPM AVAILABLE ON SPECIAL ORDER.
I NOW HAVE BOTH LNW (GOLD CONNECTOR) AND MDX (WITH MODEM)
MODEL I EXPANSION BARE BOARDS IN STOCK.
FLIP SORT DISK CASES ARE IN NOW AFTER 3 MONTHS ON ORDER
THATS ALL FOR NOW. BRUCE

<Message from TREAS at SBUG-80 12/16/82 12:57:07>
RE: MX 70/80/100 RIBBONS UPDATE

HI ALL,

In answer to many questions about ribbons.
For now, only black and blue have been ordered.
if enough people request other color ribbons
maybe we can group buy these other colors also.
Let me know if you're interested and your steering
committee will look into getting some on order.
Thanks for your interest.

Larry Gunderson

<Message from STORMY at SBUG-80 12/16/82 22:33:10>
RE: HEARING PROBLEM

I BELIEVE I HAVE THE ANSWER TO A PROBLEM I HAVE BEEN
HAVING BUT WOULD LIKE SOME CONFIRMATION. FOR SOME
TIME LONG SESSIONS ON THIS MACHINE HAS RESULTED IN
A RINGING IN MY EARS LASTING FOR SEVERAL DAYS.
IT WAS SUGGESTED TO ME THAT THE PROBLEM COULD BE A
HIGH PITCHED SOUND, NOT 'AUDIBLE'. I DID NOT BELIEVE
THIS WAS A GOOD SOLUTION AT FIRST AND HAD NO IDEA
WHAT THE SOURCE OF THE SOUND COULD BE - A TRANSFORMER?
WHILE SHOPPING AT COMPUTERVISION, ALIAS BRUCE, A
CUSTOMER OVERHEARD THE PROBLEM AND SAID IT WAS A
HIGH SPEED ?OSCILLATOR? IN THE CRT.

SO, I WOULD LIKE TO KNOW HOW TO GET A 'HIGH PITCHED

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SOUND DETECTOR' TO CONFIRM THIS, OR HEAR IF ANYONE ELSE HAS HAD THIS PROBLEM. ON THE ASSUMPTION THAT MY CRT HAS GONE 'HIGH' I AM IN THE MARKET FOR A REPLACEMENT. ANYONE HAVE ONE (WITHOUT THIS PROBLEM)?
THANKS
BOB

Message from STORMY at SBUG-80 12/16/82 22:36:39
RE: DISK DRIVE WANTED

I FORGOT TO SAY THAT MY DISK DRIVE, AN OLD SHUGART IS ON ITS LAST LEGS & NEEDS A REPLACEMENT. IS THERE ANY FOR SALE - CHEAP? I REMEMBER SEEING SOME ADS IN THE LAST MONTH OR SO.

Message from PHELPS at SBUG-80 12/19/82 16:44:43
RE: STORMY'S HEARING PROBLEM

STORMY'S HEARING PROBLEM IS ONLY A PRECURSOR TO AN ALL TOO FAMILIAR DISEASE KNOWN AS "PROGRAMMERS MALADY" OR TO THE REALLY BYTE BITTEN, "HACKERS HORROR". THIS IS BROUGHT ON BY EXCESSIVE HOURS GLARING AT YOUR CRT OR VICE VERSA OR TRYING TO DECIPHER THE NEWDOS-80 DISK FILES AND THE LIKE. OTHER SYMPTOMS ARE BLOODSHOT EYES, VERTIGO AND ESPOUSAL ENMITY. THE PROGNOSIS IN ADVANCED CASES ARE LOSS OF APPETITE, SEX DRIVE AND MONEY. THE ONLY KNOWN CURE IS TO SELL YOUR COMPUTER AND TAKE UP FINGER PAINTING FOR THERAPY. AH YES, I'M FAMILIAR WITH THIS MADNESS. JUST ANOTHER CROSS WE MUST BEAR IN THE QUEST TO DEVELOP THAT ULTIMATE UNATTAINABLE CHECK BALANCING OR AUTO MILEAGE PROGRAM FOR THE GOOD OF MANKIND.
KEEP HACK'N
PHELPS

Message from STORMY at SBUG-80 12/20/82 23:43:24
RE: AM I HEARING RIGHT?

AS LONG AS MY EYES DON'T GO I'LL AT LEAST ENJOY READING THE HUMOR ON THIS BOARD. BUT THEN, I COULD GO TO A VOICE SYNTHESIZER...

FOR ANYONE ELSE INTERESTED THE CRT HAS A 'HORIZONTAL SCAN AMPLIFIER' GOING AT 15K OR 16K (15750 HZ?). THE 'SOUND' I HEAR IS BELOW THE NORMAL -WOOPS ABOVE-THE NORMAL HEARING RANGE. IT IS IN A RANGE TO EFFECT MY EARDRUMS WITHOUT MY BEING AWARE OF IT. I BELIEVE IT IS SOMETHING THAT CREPT INTO MY CRT AFTER LONG USE. I HAVE HAD IT FOR SEVERAL YEARS. HOPE TO GET A BETTER ANSWER AND FIX OVER THE HOLIDAYS.
===== THANKS FOR THE HELP! =====

I HAVE RECEIVED MORE THAN ONE HELPFUL SUGGESTION.

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BOB (STORMY)

<Message from ROGERAND at SBUG-80 12/22/82 18:03:29>
RE: MICROSOFT BASIC LEVEL III

I HAVE A PROGRAM BY MICROSOFT CALLED LEVEL III BASIC. I HAVE JUST PUT IT ONTO DISK BUT I AM UNABLE TO SAVE FILES TO DISK OR USE CMD"S" TO RETURN TO DOS. I AM USING NEWDOS80 V2. HAS ANYONE SUCCEEDED IN USING THIS WITH NEWDOS. IT WAS PUT OUT BY MICROSOFT IN 1979.

<Message from JIBBYTRM at SBUG-80 12/22/82 19:28:19>
RE: LNW SOLUTIONS AND THINGS FOR US TO DO!!!

HI FELLOW HACKERS!!!

BEFORE I GET INTO THE THINGS TO DO COLUMN, I WILL TELL YOU OF MY SOLUTIONS TO SOME OF MY LNW E/I PROBLEMS. BRUCE CARSO MAY FIND THIS AMUSING. I HAVE BEEN HAVING PROBLEMS WITH BRUCES DRIVES FOR SOME TIME NOW. THESE WERE HOOKED UP WITH AN LNW INTERFACE WHICH I BOUGHT FROM MDX-2 BROWN. THE DRIVES WERE WORKING FLAWLESSLY UNTIL ABOUT 2 WEEKS AGO THEN ONE DAY I TURNED THE SYSTEM ON FROM THE MAIN SWITCH AND THE DRIVES WERE NO LONGER WORKING. I BUGGED BRUCE AGAIN ABOUT THE DRIVE POSSIBLY GOING DOWN AGAIN. I PUT THE DRIVES ON MY OTHER SYSTEM AND THEY WORKED GREAT. SO IT MUST HAVE BEEN THE EI FROM LNW THAT WAS THE CULPRIT. I FINALLY FOUND SOME TIME TO LOOK AT THE E/I AND FOUND TO MY AMAZEMENT THAT THE 1W 3.3 OHM RESISTOR IN THE POWER SUPPLY IN THE BOARD WAS OPEN. I HAD LOST +5V IN PART OF MY CIRCUIT. I REPLACED THE REGULATORS (BOTH) AND REPLACED THE RESISTORS (BOTH) WITH MATCHED RESISTORS (SAME MANUFACTURER). THE EI HAS BEEN GOING GANG BUSTERS SINCE THE REPAIR. BRUCES DRIVES, I'M SURE WILL PLAY A LOT BETTER FROM HERE ON OUT. OH, BUY THE WAY, I HAD THE GROUND FROM THE POWER SUPPLY ATTACHED TO CHASSIS GROUND WHICH IS A NO!! NO!! SO THE LESSON TO LEARN IS:

- 1.) CHECK YOUR POWER SUPPLY FOR STABILITY.
- 2.) DON'T MIX COMPONENTS IN THE SUPPLY.
- 3.) MAKE SURE YOUR POWER GROUND IS ISOLATED FROM THE CHASSIS GROUND.

NOW FOR SOME SUGGESTIONS FOR THINGS TO DO. I'M SURE THAT MANY OF US HAVE TAPES AROUND WITH SOME PROGRAMS THAT WE JUST CAN'T TRANSFER TO DISC EVEN WITH LMOFFSET AND OTHER TRANSFER METHODS. HOW ABOUT WORKING TOGETHER AND COMPARING NOTES ON WHICH PROGRAMS WE WOULD LIKE TO PUT ON DISC. SOME OF THE ONES WE ARE ALL FAMILIAR WITH ARE:

- 1.) OLYMPIC DECATHLON
- 2.) MONTYS MONOPOLY
- 3.) FLIGHT SIMULATOR
- 4.) BEEWARY
- 5.) DUEL N DROIDS
- 6.) BASKETBALL BY ACORN

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THESE ARE JUST A FEW. YOU OUT THERE MAY HAVE OTHERS THAT WOULD BE GOOD. OF COURSE THIS MEANS ASSY LANG PROG TYPE PROBLEMS. WE COULD ALL LEARN FROM EACH OTHER. WE HAVE PAID THE PRICE FOR THESE CASSETTES AND CAN'T PUT THEM ONTO DISC. LET'S TRY IT!!!!

AGAIN, IT'S JUST A SUGGESTION
REGARDS - BILL JIBBY

<Message from FORBES at SBUG-80 12/23/82 21:27:05>
RE: Amateur Radio/TRS-80 Visitors

Hi All! A week or so ago on the Sunday TRS-80 meeting on the Amateur Radio Bands, I learned that many participants who check in from all over the West Coast plan going to the West Coast Computer Fair. Those checking in expressed interest in getting a group together who are Amateur Radio Operators, and have TRS-80's. We know that there is a Teletype demonstration where the "Hams" can gather but, many participants want to meet and talk programming. Those SBUG members who are into Amateur Radio, and would like to get together with the visiting Amateur's, please leave me a message on SBUG. I have a class on Tuesday, so I won't be at the regular meetings till after March. Happy Holidays to everyone in SBUG! 73, Ross <FORBES>

<Message from LNW2MDX at SBUG-80 12/25/82 23:06:56>
RE: FOR SALE

TO ALL SBUG MEMBERS I HAVE NOW GOT THE FOLLOWING FOR SALE:
MDX-2 E/I BARE BOARD \$69.00
MDX-2 E/I ASSEMBLED \$300.00
TANDON TM100-1 \$200.00 B/OFFER
MODEL 1 48K BUILT IN
MODEM MDX-2 TAPE W/20
TAPES, MUCH CASS. SOFTWARE \$1000.00
IF ANY INTEREST IN THE ABOVE ITEMS LEAVE A MESSAGE ON THE
SBUG-80 <LNW2MDX> OR CALL ME AT (408) 734-0898 ASK FOR
SAM CALL AFTER 7:00 IN THE EVENING....
THANKS, SAM <LNW2MDX>

P.S.

ALL PRICES ARE NEGOTIABLE EXCEPT FOR THE MDX-2 BARE BOARD.

<Message from GLENN at SBUG-80 12/26/82 00:12:53>
RE: FOR SALE

1 EXITRON STRINGY FLOPPY - FOR MODEL I
20+ WAFERS - MOST WITH SOFTWARE
THE WAFERS WERE MOSTLY RECORDED AT HIGH SPEED SO IT WILL
REQUIRE A SPEED UP TO ACCESS THE SOFTWARE ON THEM.
PRICE: 175.00 OR BEST OFFER
IF INTERESTED LEAVE ME A MESSAGE HERE OR CALL AT -
(409) 942-8164 GLENN

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

FIRST CLASS MAIL