We Wish All Our Faithful Readers The Very BEST HOLIDAY GREETINGS
Dear Lenny,

Sorry for the delay in renewing my subscription! The last issue you sent me was October's, so if you can renew me up to August '92 again, please send November and December—which should bring me up to date. [Ok, no problem! -- ed]

Thanks for the good work! I always read the JOURNAL thru from cover to cover as soon as it arrives (and it does arrive at least two weeks sooner, thanks to First Class postage).

I've often wondered why the back page refers to official Society meetings announced in each July issue. I've belonged for over three years, and can't recall EVER hearing about an annual meeting!

Blessings for you and yours this holiday season. I especially enjoyed your piece this last year about driving to Cape Cod to help out an H89 user get his machine back into working order.

Rev NELSON HOWARD iii, P O Box 114, East Derry, NH 03041

[Well, Rev, your renewal request has been honoured. Please note that we had hoped to get the November edition out last month (Nov), but numerous un-planned events up-screwed our good intentions--it seems as if that's happening more every day here. And thanks for your kind words about our newsletter, that made one of our days a little less gloomy! But please note that we DO NOT regularly make house calls--that "little" excursion to Cape Cod was necessitated by a JOURNAL's client having extremely bizarre trouble with a pair of 89s bought from us. (And I'm getting much too old to traipses off cross-country these days!) When I left Cape Cod, both of the computers were running just fine. By the time I got back, and before I could assemble an external pair of half-height quad density drives for him, one machine re-developed identical symptoms to those which had triggered the original safari. Later, the other machine fell victim to the same ailment--what a bumer! Eventually some good has come from it, we now know how that wonderfully-refreshing sea breeze can Really Screw Up floppy-drive Read/Write heads by encrustating their magnetic pole pieces with a salt film! (Also, see the FIRE! article elsewhere in this issue.) I'm glad you are getting your JOURNALS earlier than when we were using 3rd class bulk mail. It was much cheaper for us then, but when postage rates went up and our mailing list shrank as well, we were forced to go 1st class. A couple benefits of 1st class mailing are better P.O. handling of folded & stapled JOURNALS, and elimination of sealing copies in plastic bags (that's eight hours of stuffing labour, plus 1-1/2 cents materials cost/copy for every edition). What with our chronic "retrograde cash flow", every farthing we save helps greatly.

Now, about that "yearly Society meeting": Once we did seriously intend holding a meeting, but after discussing it with several remotely-located subscribers, we finally dropped the idea as far too expensive to carry out. Perhaps we'll do one next year--maybe tie it in with the Z100 User's convention. Anybody willing to help? Write Real Soon Now! -- ed]

Looking for the following equipment/accessories/software for my Heathkit H89:

I-89-11 I/O Board, together with IBM Emulation Software
H-89-6 Backplane
Magnolia RF Modulator
Ham Radio Circuits & software
Glare Filters
Amber CRT

H-1000 TMSI's replacement 8/16-bit CPU Board

GP-29 Northwest Digital's replacement Graphics TLB for the Z-89-FA and Z-89A

H-67 Hard Drive w/cables, HDOS software for same--including diagnostics, archiving, parking, device drivers--whatever!

Please contact: Mark Hunt, P.O. Box 357, Ray Brook, NY 12977

"Staunch 8/89er News"... "Staunch 8/89er News"... "Staunch 8/89er News"

Kirk Thompson now has a General Software Catalogue file which can be downloaded to your Heath-compatible pre-formatted discs (HDOS or CP/M). Files are recorded "squeezed"; an "unsqueezer" utility is always included for your convenience.

Available disc formats are: Standard (SS/SD), or Double-Sided (DS/SD) 48tpi Hard Sector; Single, or Double Sided 48 or 96tpi Soft Sector for HDOS and CP/M titles. Kirk will sell discs to you at $6 each if you do not send him your own pre-formatted discs. If you wish, Kirk will pack multiple items on one disc, but will NOT divide a disc.

For more details and a copy of his new catalogue write: Kirk Thompson, c/o "The Staunch 8/89er", P O Box 548, West Branch, IA 52358.

NOTE: Subscriptions to "The Staunch 8/89er" start and end with the calendar year. Now is the prime time to order your own subscription! Costs $15/year, six editions each year. (Tell him Lenny told you about this in the SEBHC JOURNAL!)

=================================================================
UM MUY PROSPERO ANO NUEVE PARA TODOS DE USTEDES!
=================================================================

(Excuse phonetics, please....we can't make our LQ800 write in Spanish in 2-column format!)
FIRE! (Continued from last mont

By John DeArmond, in "Midnight Engineering" magazine

One very important note: Most all monitored alarm systems notify the central control by autodialing a number over your home phone line. If you have an autodialing alarm installed, insist that the control box be mounted low in your basement (but protected from flooding) as close as possible to your phone "drop", AND insist upon a smoke alarm being installed in the ceiling directly above it. The reason for this is quite simple: By the time my smoke alarm went off the fire had already burned out my phone wiring!

Be especially sure that you get an alarm system with radio backup. If the phone line fails--for whatever reason--the central office will receive a backup call from the radio channel.

If you go with phone-line only, ask these questions:

* How does the system handle a line in use by one of your kids, the missus, or your modem? The better alarms pass your phone line through the alarm box and will dump the house side if it needs to call in an alarm.

* How does it handle busy or no-answers on the other end? How many times and in what intervals will it redial? I consider "demon dialing" (that is, re-dialing as rapidly as possible) as the best, because a fire spreads geometrically. By the time you get a smoke alarm, you have only minutes to take protective action! And how many different numbers will it try? If the line to the primary monitoring station is out what are the alternatives? Will it call a neighbor who'll relay your alarm?

Protective measures other than alarms

* Consider installing a home sprinkler system. Prices for small closed-in areas are not too bad such as basement/works shop areas, and they can be made to serve as a backup to the smoke alarm in many cases. (Also, having a sprinkler system also helps lower your fire-insurance premiums!)

* Consider installing a home fire hose. These are inexpensive and well worth the cost. In my case, if I'd had one, I could have put out the fire before the fireman had arrived! If you decide to put in a fire hose, buy industrial one-inch ID water hose. It's tough and passes much more water than a garden hose. Also, install an external 90-degree rotation house-supply shutoff valve (rather than the usual garden-hose turn-forever type) and a one-inch industrial dry-pipe hydrant upstream of that valve. It should be in an easily-accessed but frost-free, below-ground location outside and away from the house. The fire hose should be stored out of direct sunlight very close to, and coupled to the hydrant. This ensures that shutoff valve, hose and hydrant are always ready for quick emergency use. The hose uses standard couplings, but, together with the dry-type pipe hydrant, remains dry until the water is turned on. This passes two to three times more water than a typical 5/8-inch garden hose and standard garden spigot.

Finally, plan out, THEN PRACTICE Fire Drills AND Escape Routes! When a fire happens to YOU, IT WILL NEVER resemble any pre-rigged TV show. You won't have time to go rummaging about for flashlights, clothing, valuables, or ANYTHING! Be prepared for the worst at any instant, night or day! Remember: You have only seconds to escape that environment--just ONE mistake can be fatal.

Emotional Considerations

This is probably the hardest part for me to write about as I can only now--after two months--face a computer long enough to write this article. I remember jumping into the salvage operation that afternoon...with enthusiasm. I rationalised that it couldn't be so bad; after all, here is something recognisable, and over there is something that appears OK...but when the third dumpster is filled to overflowing with debris and ruined possessions, the total extent of one's loss begins to sink in.

Even though some papers and data survived, I am completely wiped out! Insurance money won't rebuild my lab facilities, much less give me time to rebuild my product. I have enough cash to carry me for a while, but I am at a complete loss as to proceed (shall I quit R&D, or press on regardless?)....

Since the fire my personal relations are so strained that my partner has broken away, and my wife and I are frequently at each other's throats--being crammed into a two-room apartment for several months has that effect on a formerly-conivial marriage. None of us were prepared for the great social pressures this fire brought upon us. And it has had side effects; people whom I had considered to be friends suddenly became stranges. Others I worked or socialised with daily didn't even call. That really hurt. At the same time, other people I'd never felt really close to unselfishly pitched in and volunteered help....To all of them, I say: THANKS, many times over!

[Editor's comments: You may contact author John DeArmond, who is a software and hardware consultant, at Rapid Deployment Systems, Post Office Box 670386, Marietta, GA 30066, phone 404-578-9547, or via modem--usenet:gd@seial.uucp. We are most grateful to both Midnight Engineering's editor, Mr William Gates ("no, not THAT one") and John DeArmond for granting us permission to reproduce this condensed and edited version of John's original article which appeared in Midnight Engineering's July-August '91 edition. We hope John's story will inspire all SEBHC JOURNAL readers--whom, we hasten to advise, should write up their own experiences for publication in future JOURNALS.]
The following "readme.doc" text was on the disc Oscar had sent us:

> ANNUITY.BAS *

This program is menu driven and allows the user to enter:

<1>SAVINGS PHASE,
<2>ANNUITY PHASE,
<3>BOTH (Original listing was in our November, 1991 edition.)

SAVINGS PHASE
You enter an initial deposit amount, compounding periods, interest rate, account name, and years amount shall be on deposit. The information you enter is displayed, then the menu asks you to choose how much by compounding periods, that is, to screen, printer, or neither. NOTE: IF COMPOUNDING IS 365, THEN PROGRAM WILL AUTOMATICALLY NOT PRINT TO SCREEN OR PRINTER. It will display the compounded total. The program will display up to 12 compounding periods a year, displaying each amount earned by the specified interest rate and breaks at end of each year.

ANNUITY PHASE
You can go directly to this option and enter principal, interest rate, number of compounding periods, amount to be withdrawn each compounding period, and number of years to withdraw. Display Options: <Screen> <Printer>

> MENU.BAS *

When loaded and run this program displays a list of these described arithmetic drill programs. A pupil may then choose the particular drill which meets his needs. Each drill program is written so it may also be run in "stand-alone" mode.

> ADD.PRO *

A program designed for lower elementary level or remedial pupils through which they may practice addition skills. The pupil indicates how many digits are to be used in the five examples that are generated. The pupil then answers problems from keyboard, one at a time. The program keeps track of answers, then displays a correction table with pupil's answers, the correct answer, total correct answers, and score as a percentage of all the problems in that run. The pupil can then re-run this drill program or chose to run one of the others.

> SUB.PRO *

SAME AS ADD.PRO -- Subtraction Practice

> MULT.PRO *

SAME AS ADD.PRO -- Multiplication Practice

MULBABLE.BAS *

This is a program for practicing the MULTIPLICATION TABLES from 2x? thru 10x?....

Note: All programmes run under MBASIC V5.2 (CP/M)
MBASIC LISTING Cont’d

180  GOSUB 400
190  MS:VN$
200  GOSUB 460
210  N=3
220  GOSUB 400
230  MS:AUS
240  GOSUB 460
250  GOSUB 350
260  GOSUB 510
270  INPUT "PRESS <RETURN> TO CONTINUE ";R$ : GOTO 530
280  REM CLEAR SCREEN
290  PRINT CLRS
300  RETURN
310  REM TURN GRAPHICS ON
320  PRINT GRONS
330  RETURN
340  REM PRINT TOP & BOTTOM BORDER LINES
350  PRINT VON$;SPC(78);VOF$
360  RETURN
370  PRINT GROFS
380  PRINT
390  PRINT
400  PRINT
410  FOR I=1 TO M
420   PRINT VON$;"";VOF$;SPC(74);VON$;"";VOF$
430   NEXT I
440  RETURN
450  PRINT
460  PRINT
470  T:LEN(M$);S:(80-T)/2: REM CENTERS TEXT ON SCREEN
480  PRINT VON$;SPC(2);VOF$;TAB(S-2);VON$;MS;VOF$
490  RETURN
500  PRINT
510  PRINT
520  PRINT
530  PRINT
540  PRINT:INPUT "PRESS <RETURN> TO CONTINUE ";I
550  PRINT CLRS$
560  M$=5
570  0=0
580  W=0
590  DIM R$(5),$N(5),N(5),C(5)
600  PRINT VON$;"Please enter your name ";VOF$;INPUT N$
610  PRINT:PRINT
620  PRINT VON$;
630  "How many digits for examples <1> <2> <3>";VOF$;INPUT S
640  PRINT CLRS$
650  FOR I=1 TO M
660   PRINT SP$(2);VON$;I;VOF$;SP$(4)
670  NEXT I
680  PRINT:PRINT
690  REM Data-Processing Section
700  FOR I=1 TO M
710  FOR J = 1 TO M
720   RANDOMIZE PEEK(11)
730   N(1) = INT(RND(Y)*10'S)
740   IF N(1) < 1 THEN 720 ELSE 750
750   RANDOMIZE PEEK(11)
760   N(2) = INT(RND(Y)*10'S)
770   IF N(2) < 1 THEN 750 ELSE 780
780   NEXT J
790   FOR J=1 TO M
800   PRINT " ";
810   IF K=1 TO 5
820     IF N(1)>10"(S-K) THEN 860
830     IF (S-K)+N(1)=0 THEN 860
840     PRINT " ";
850     NEXT K
860     PRINT N(1);TAB(J*10);
870   NEXT J
880   PRINT
890   FOR J=1 TO M
900   PRINT "+ ";
910   FOR K=1 TO S
920     IF N(2)>10"(S-K) THEN 960
930     IF (S-K)+N(2)=0 THEN 960
940     PRINT " ";
950     NEXT K
960     PRINT N(2);TAB(J*10);
970   NEXT J
980   PRINT
990   FOR J=1 TO M
1000  FOR K=1 TO S+3
1010    PRINT "- ";
1020   NEXT K
1030   PRINT TAB(J*10)
1040   NEXT J
1050   FOR J=1 TO 1
1060    PRINT
1070    NEXT J
1080   PRINT
1090   FOR I = 1 TO M
1100    INPUT A(I):PRINT
1110   PRINT VON$;"ENTER YOUR ANSWER FOR EXAMPLE ";I;VOF$;
1120    INPUT A(I):PRINT
1130   PRINT CLRS$
1140   REM PRINT RESULTS
1150   PRINT
1160   PRINT VON$;N$;VOF$;"RESULTS OF YOUR WORK ";VOF$
1170   PRINT
1180   PRINT VON$;"EXAMPLE CORRECT ANSWERS YOUR ANSWERS RES 
1190   PRINT STRINGS$(45,"-")
1200   FOR J=1 TO M
1210    C(J)=N(1)+N(2)
1220   IF C(J)<A(J) THEN 1260
LISTING Cont’d

LISTING FOUR -- SUBTRACTION DRILL

10 REM SUB.PRO by Oscar Yohai
20 PNS: "WELCOME TO THE SUBTRACTION PROGRAM"
30 DNS: "WRITTEN BY OSCAR YOHAI"
40 VNS: "SEPTEMBER 15, 1990"
60 X$:CHR$(105):GRON$:E$:F$:GRO$:E$:g"
70 GOSUB 280:REM CLEAR SCREEN
80 GOSUB 310:REM TURN GRAPHICS ON
90 GOSUB 350:REM PRINT TOP AND BOTTOM BORDER LINES
100 N=6
110 GOSUB 400:REM PRINT BLANK LINES
120 M$:PNS:REM M$ IS VARIABLE FOR TEXT MATERIAL
130 GOSUB 460:REM PRINT FIRST MESSAGE LINE
140 N=2
150 GOSUB 400
160 M$:DNS
170 GOSUB 460:REM PRINT SECOND MESSAGE LINE
180 :GOSUB 400
190 M$:VNS
200 GOSUB 460
210 N=3
220 GOSUB 400
230 M$:AUS
240 GOSUB 460
250 GOSUB 350
260 GOSUB 510
270 INPUT "PRESS <RETURN> TO CONTINUE";R$:GOTO 530
280 REM CLEAR SCREEN
290 PRINT CLR$p
300 RETURN
310 REM TURN GRAPHICS ON
320 PRINT GRON$
330 RETURN
340 REM
350 REM PRINT TOP & BOTTOM BORDER LINES
360 PRINT VON$:SPC(70);VDF$
370 REM
380 RETURN
390 REM
400 REM PRINT BLANK LINES WITH OUTSIDE BORDER
410 FOR I=1 TO M
420  PRINT VON$; "":VDF$:SPC(66):VON$; "":VDF$
430 NEXT I
440 RETURN
450 REM
460 REM PRINT MESSAGE LINE
470 :T=LEN(M$):S=(80-T)/2:REM CENTER TEXT ON SCREEN
480 PRINT VON$:SPC(2):VDF$;TAB(S-2):VON$:M$;VDF$;TAB(75);VON$:SPC(2):VDF$
490 RETURN
500 REM
510 REM TURN OFF GRAPHICS
520 PRINT GRO$
530 REM
540 PRINT: INPUT "PRESS <RETURN> TO CONTINUE "; Z
550 PRINT CLR$;
560 M=5
570 CO=0
580 WO=0
590 DIM R$(S),N1(S),N2(S),C(S)
600 PRINT V0N$; "Please type in your name "; V0F$: INPUT N$
610 PRINT: PRINT
620 PRINT V0N$; "How many digits for the examples 1-2-3? "; V0F$: INPUT E
630 PRINT CLR$;
640 FOR I=1 TO M
650 PRINT SPC(2); V0N$; "YOUR ANSWER FOR EXAMPLE "; I; V0F$;
660 NEXT I
670 PRINT: PRINT
680 REM DATA-PROCESSING SECTION
700 FOR I=1 TO M/5
710 FOR J=1 TO S
720 RANDOMIZE PEEK(I1)
730 N1(J)=INT(RND(Y)*10*S)
740 IF N1(J) < -1 THEN 720 ELSE 750
750 NEXT J
760 FOR J=1 TO S
770 RANDOMIZE PEEK(I1)
780 N2(J)=INT(RND(Y)*10*S)
790 IF N2(J) > N1(J) THEN 770
800 IF N2(J) < 1 THEN 770
810 IF N2(J) = N1(J) THEN 770
820 NEXT J
830 FOR J=1 TO S
840 PRINT ";
850 FOR K=1 TO S
860 IF N1(J) = 10*(S-K) THEN 900
870 IF (S-K)+N1(J)=0 THEN 900
880 PRINT " ";
890 NEXT K
900 PRINT N1(J);TAB(J*10);
910 NEXT J
920 PRINT
930 FOR J=1 TO S
940 PRINT ";
950 FOR K=1 TO S
960 IF N2(J) = 10*(S-K) THEN 1000
970 IF (S-K)+N2(J)=0 THEN 1000
980 PRINT " ";
990 NEXT K
1000 PRINT N2(J);TAB(J*10);
1010 NEXT J
1020 PRINT
1030 FOR J=1 TO S
1040 FOR K=1 TO S+3
1050 PRINT ";
1060 NEXT K
1070 PRINT TAB(J*10)
1080 NEXT J
1090 FOR J=1 TO 1
1100 PRINT
1110 NEXT J
1120 PRINT
1130 FOR I=1 TO M
1140 PRINT
1150 PRINT V0N$; "YOUR ANSWER FOR EXAMPLE "; I; V0F$;
1160 NEXT I
1170 PRINT CLR$;
1180 REM **************** PRINT RESULTS ****************
1190 PRINT
1200 PRINT V0N$; N0; V0F$; ";V0N$; "RESULTS OF YOUR WORK "; V0F$;
1210 PRINT
1220 PRINT V0N$;
1230 PRINT STRINGS(45,"-")
1240 FOR J=1 TO 5
1250 C(J)=N1(J)-N2(J)
1260 IF C(J)<A(J) THEN 1300
1270 R$(J)="CORRECT"
1280 C0=C0+1
1290 GOTO 1320
1300 R$(J)="WRONG"
1310 W0=W0+1
1320 PRINT USING "##";####
1330 NEXT J
1340 PRINT
1350 PRINT
1360 NEXT I
1370 REM **************** PROGRAM TERMINATION ****************
1380 PRINT:PRINT:PRINT V0N$; "PRESS <RETURN> TO CONTINUE "; V0F$;
1390 INPUT Z
1400 PRINT CLR$;
1410 PRINT STRINGS(30,"*")
1420 PRINT "; SCORE BOARD"
1430 PRINT STRINGS(30,"*")
1440 PRINT "QUESTIONS";TAB(15);C0+W0
1450 PRINT
1460 PRINT "NUMBER CORRECT";TAB(20);C0
1470 PRINT "NUMBER *WRONG*";TAB(20);W0
1480 PRINT
1490 PRINT V0N$; "YOUR SCORE IS **** ";(CO/(CO+W0))=100
1500 V0N$; ";V0N$; ";V0F$;
1510 PRINT
1520 PRINT V0N$; "PRESS <RETURN> TO CONTINUE "; V0F$;
1530 PRINT CLR$;
1540 PRINT:PRINT:PRINT
LISTING, cont’d

1  REM  1 imensional  MUPUATION DRILL
2  PNS="WELCOME  THE  MUPUATION"
3  DT$="MUPUATION  DRILL"
4  VNS="WRITTEN  BY  OSCAR  YOHAI  15-90"
5  ES=CHR$(27):CLRS:ES$="E";VNS$:ES$="p":VNS$:ES$="q"
6  XS=CHR$(105):GROFS:EX$="G":GROFS=EX$="G"
7  GOSUB  28:REM  CLEAR  SCREEN
8  GOSUB  31:REM  TURN  ON  GRAPHICS
9  GOSUB  35:REM  PRINT  TOP  &  BOTTOM  BORDER  LINES
10  N=6
11  GOSUB  40:REM  PRINT  BLANK  LINES
12  MS=PN$:REM  MS  IS  TEXT  MATERIAL  VARIABLE
13  GOSUB  46:REM  PRINT  FIRST  MESSAGE  LINE
14  N=2
15  GOSUB  40
16  MS=DT$
17  GOSUB  46:REM  PRINT  SECOND  MESSAGE  LINE
18  GOSUB  40
19  MS=VNS$
20  GOSUB  46
21  N=3
22  GOSUB  40
23  MS=AUS$
24  GOSUB  46
25  GOSUB  35
26  GOSUB  51
27  INPUT "PRESS  RETURN  TO  CONTINUE ";RS$:GOTO  53
28  REM  CLEAR  SCREEN
29  PRINT  CLRS$
30  RETURN
31  REM  TURN  ON  GRAPHICS
32  PRINT  GROS$
LISTING end -- FOR SALE!

1050 PRINT TAB(10);VONS;"6> QUIT PROGRAM AND GO HOME";
   VOF$:PRINT
1060 PRINT TAB(10);VONS;"Select one <1<2><3><4><5><6>";
   VOF$:INPUT D
1070 ON D GOTO 1080,1090,1100,1110,1120,1130
1080 RUN
1090 RUN "ADD.PRO"
1100 RUN "SUB.PRO"
1110 RUN "MULT.PRO"
1120 RUN "MULTABLE.BAS"
1130 SYSTEM

[We're out of room again! "MULT.PRO" and "MULTABLE.BAS" will

====================================================================
FOR SALE! * GREAT H/Z STUFF * FOR SALE! * GREAT H/Z STU
====================================================================

D-G Electronics Developments Company has several Brand-New
Super-89 CPU boards left in stock. At the "Last-Ever HUGCON"
(August, 1986) these boards sold at $450 each w/two 64K RAM
banks installed (they hold four, which equals 256k).

The Super-89 CPU is a one-for-one upgrade replacement for
the old H/Z-89 or H/Z-90 CPU & lets you run at either 2, or
4Mc/Sec clock speed, provides FOUR extra left side I/O-inter-
face board slots, an extra serial 1/0 port, and an on-board
real time-and-date clock IC chip (output from which is ac-
cessible from inside running programs via ANAPRO Corp's HDOS-
clone CP/M DATE-STAMPER software).

The D-G Super-89 CPU has an extensive instruction manual,
and runs HDOS 2.0 (Ver 3.01--if you change the Monitor ROM
IC) and any version of CP/M, ZCPR, or Z-DOSE. Once installed,
the D-G Super89 CPU makes your dear old grey box into a "Vir-
tual Whizeroo", giving many peeseew owner Connnession Fits!

Both HDOS.SYS and CP/M BIOS.SYS extended-RAM upgrades are
available through either Henry Fale (QuickData) or the SEBHC
JOURNAL. The upgrade permits accessing the full 256k RAM for
use as a Firecracker RAM disc, Hot Shot Cache Memory, or
Background printer spooler. At 4Mc/S clock speed, your H/Z-
89/90 Will run Faster Than A Speeding Bullet (or a Washing-
ton DC political rumor)! And what's even better you'll have very
few new commands to learn, compared with changing over to a
peeseew or "clone" (UGH!) A D-G S-89 Plus: All your old 8-
bit H/Z software runs with no changes whatever (just faster).

Please call Bruce Denton at D-G Electronics during
business hours -- 903-465-7805 CST, and reserve YOUR D-G
Super89 CPU board RIGHT AWAY! (Tell him Lenny sent you!)

====================================================================
EIGHT-BIT & "OTHER" VENDOR LIST

Listing last updated on 23 December 1991

CDR SYSTEMS, Inc., 7171 Ronson Road, San Diego, CA 92111; ph: 619-560-1272, 9a-5p Pacific Time Zone--ask for Herman.

Chalfant, Rick, 100 Bayberry Drive, Springboro, OH 45066; ph: 513-748-1344 Stocks H/289s, parts, software. Check him out; you might be pleasantly surprised!

D-G ELECTRONIC DEVELOPMENTS Co., 700 S Armstrong, Denison TX 75020; x phone 903-465-7805 (Central Time Zone) x B-bit "Heartbeat" computer, 8-bit "Super89" CPU upgrade/replacement board. Bruce Denton, president; Service & advice available, also GOOD H and H/289 hardware at clearance prices; contact Bruce for details. A "Certified* YOU-BETCHA GOOD GUY!

DISK MOVERS, 8534 McCormick Blvd, Skokie, IL 60076; phone 708-679-3727 (Central Time Zone) ask for Miriam. HARD-SECTOR and soft-sector discs for H/189s, '89s in bulk quantities at very low prices! "VERY NICE and HELP-FUL PEOPLE." (Do give them a call and mention us!)

GOLDSMITH SURPLUS, 2107 N Adams/PO Box 18676, Indianapolis, IN 46218; 317-545-4747, ask for Phil or Eric. Dealers in "Almost Any Surplus Material You Have (or Need)!" (Please mention that you found them listed here!)

HOYLE & HOYLE SOFTWARE, 11 Sparrow Drive, Isle of Palms, SC 29451. (Answer nailed enquiries only.) Their QUERY-III database runs on H8s thru 2102s. "REALLY GOOD GUYS!"

LINDLEY SYSTEMS, 8139 E Mawson, Mesa, AZ 85207 -- phone: 602-380-9175. All kinds of neat-OF 8-bit software such as PC89LINK lets you transfer 8-bit stuff to H/1100s and peeses over a null-modem cable. Ask either Bob or Bill for a catalogue, they're Really Fine Fellows!

MAGNOLIA MICROSYSTEMS, 2818 Thordyke Avenue West, Seattle, WA 98199; phone 206-285-7266 (Pacific Time Zone). Ask for "Mark". Special memory upgrades and op-systems for H/289s & 90s. Trustworthy people.

MICRO COMPUTER REPAIR SERVICE, 2308 Industrial Highway, Ste C Ann Arbor, MI 48104; phone 313-663-3646. D-DRIVE REPAIRS & SALES. Ask for Mike Morris, he's "A SUPER GUY!" (Tell him Lenny sent you.)

MICRONICS TECHNOLOGY, Suite 159, 5 Dalandra Road, Montgomery, AL 36109; phone 205-244-1597 voice, 205-244-0192 bbs CT2 Darrell C Pelan, pres. Soft & Hardware, '89 harddiscs Catalogue & 8-bit help available. A REALLY GOOD GUY!

New Orleans Data General Services, 7230 Chadbourne Drive, New Orleans, LA 70126; phone 504-241-9388--"Dave". Colour and sound boards for HB, H89. Out of business, but willing to provide tech advice on their products. Dave's ANOTHER GOOD GUY!

QUIKDATA COMPUTER SERVICES, Inc., 2618 Penn Circle, Sheboygan WI 53081; phone 414-452-4172--Henry Fale (Fah-lay) Prop. Mfgr, sales, service, 8-bit machine support & parts; publishes H-SOOO Heath/Zenith user's newsletter, 24-hour H/Z user BBS. Ever busy but "A REAL GOOD GUY!"

SIGMADOSI & SYSTEMS, 2433 Winterstone Drive, Dallas TX 75023-7818; 214-596-0116 (Central Time Zone) --Clay Montgomery hardware/periipherals mfr, software publisher, hardware & tech support, RAM drives, Hi-Res grafix add-ons for H/289s. Catalog & help; A FANTASTIC GOOD GUY!

SKYCASTLE COMPUTER PRODUCTS, Box 1412, San Carlos, CA 94070; 415-254-3931 after 6pm Pacific Coast time--ask for Mike. Calligraphy-II and other FANTASTIC dot-matrix graphic printer software products. A REALLY, SUPER-GOOD GUY!

TMSI/LEE HART, 323 West 19th Street, Holland, MI 49423 616-396-5085 (evenings, weekends--usually). Their motto: "Innovative Products for the H/289" Misc. 8-bit hardware items, hardware/software support for '89/90 users. "A NICE GUY & TOP-NOTCH ENGINEER!"

---------------------------------------------------------------------------------------------

THER VENDOR NEWS... OTHER VENDOR NEWS... OTHER VENDOR NEWS...

If you and your computer hardware suffer from "power-corditis", Mendelson Electronics Co., Inc. 340 East First Street, Dayton, OH 45402, has a Real Good Bargain for you! They're offering a 6-ft x 18-3 RIGHT-ANGLE power cord at $2.25 each, or $1.85 each in lots of 10+. Order part number 630-0100F. You can call them at 513-461-3525, 800-422-3525, or on their toll-free order line, 800-344-4465. Visa, M-C, and Discover plastic (cash, or cheques) are all welcome. They also have a (UGH!) Fax number--513-461-3391. Minimum order is $20, and shipping is FOB Dayton, OH. They're open Monday through Friday, 8:00am to 5:00pm EST. And Do Be Sure To Say That You Found Them Listed In The SEBHC JOURNAL!

We urge you to, if nothing else, ask for one of their six-times-a-year flyers. They have fans, power jacks, I-C sockets of all types & description, card-edge connectors, "D-Subs" connectors, coax connectors, modular cords, power supplies, a-c & d-c line filters, battery chargers, project boxes, tools, a-c & d-c relays, switches, capacitors, os, printer stands, disc drives (floppy & hard), printers, external drive cases, et cetera, and so on and mind-boggling on!
The **JOURNAL**'s Own Catalogue

**FIBRE-BOUND SEBHC JOURNAL BACK-ISSUE VOLUMES**

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
<th>P&amp;H-included Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>V-I</td>
<td>(Volume I, Nos 1 thru 12) Aug-86 -- Jul-87</td>
<td>$22.50</td>
</tr>
<tr>
<td>V-II</td>
<td>(Volume II, Nos 1 thru 12) Aug-87 -- Jul-88</td>
<td>$22.50</td>
</tr>
<tr>
<td>V-III</td>
<td>(Volume III, Nos 1 thru 12) Aug-88 -- Jul-89</td>
<td>$22.50</td>
</tr>
<tr>
<td>V-IV</td>
<td>(Volume IV, Nos 1 thru 12) Aug-89 -- Jul-90</td>
<td>$22.50</td>
</tr>
<tr>
<td>V-V</td>
<td>(Volume V, Nos 1 thru 12) Aug-90 -- Jul-91</td>
<td>$22.50</td>
</tr>
</tbody>
</table>

Any TWO Volumes (save $4.50--NET price) $40.50!!!

HPCDIOH 40trk ss, ss HDOS 2.0 "Programmer's CARE Package" V-PLUS - ALL FIVE complete Volumes 15.5% OFF, NET = $95.00

All Text-Only volumes on floppy discs Available Real Soon.

RENEWALS or NEW One or Two Year SUBSCRIPTIONS

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>R-1</td>
<td>One Year Subscription, USA &amp; FOREIGN</td>
<td>$24.00</td>
</tr>
<tr>
<td>R-1</td>
<td>AIR MAIL FOREIGN ONLY 1yr Subscription</td>
<td>$35.00</td>
</tr>
<tr>
<td>R-2</td>
<td>Regular Two Year Subscription.......</td>
<td>$44.00</td>
</tr>
<tr>
<td>R-2</td>
<td>AIR MAIL FOREIGN ONLY 2yr Subscription</td>
<td>$55.00</td>
</tr>
</tbody>
</table>

**SPECIAL INFORMATION ABOUT YOUR SUBSCRIPTION**

All new subscriptions start the month following receipt of subs blank. Renewals continue from expiration month; Example: address label top line reads "<999> exp Aug-99". If renewal is received in or before August, 1999 you'll get another full year. Label top line would then read "<999> ends Aug-2000".

== The JOURNAL's Own SOFTWARE DISCS ==

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Description</th>
<th>P&amp;H included Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGDIOH</td>
<td>40trk ss, ss CP/M-80 Games &amp; Util Disc</td>
<td>$6.96</td>
</tr>
<tr>
<td>CGDIOH</td>
<td>40trk ss HARD-sector CP/M-80 G &amp; U Disc</td>
<td>$7.96</td>
</tr>
<tr>
<td>HPCDIOH</td>
<td>40trk ss HARD-sector HDOS 2.0 &quot;Programmer's CARE&quot;</td>
<td>$3.66</td>
</tr>
<tr>
<td>CTXTH</td>
<td>CP/M 2-HARD-sector discs w/TeXT PRO as above</td>
<td>$30.95</td>
</tr>
</tbody>
</table>

When Placing Order, Please:

1 - Pay ONLY by US Dollar Cheques or Money Orders.
2 - Allow about four weeks for single back-issues.
3 - Allow 5-30 days for discs, software & bound volumes.
4 - Use order blank below; list catalog number price and quantity of each item, and mail it with payment.
5 - Include LATEST issue's mailing label with ANY order!

**Note:** We appreciate receiving, reading, & printing subscriber's letters concerned with H/Z 8-bit problems & cures. And we'd like you to send in more articles for us to publish too!

---

**Detach before filling out & mailing...**

**The Subscription & Order Blank**

<table>
<thead>
<tr>
<th>Name</th>
<th>Item No.</th>
<th>Qty</th>
<th>Price ea</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mailing Address</td>
<td>[ ]</td>
<td>[ ]</td>
<td>$[ ]</td>
<td>$[ ]</td>
</tr>
<tr>
<td>City</td>
<td>[ ]</td>
<td>[ ]</td>
<td>$[ ]</td>
<td>$[ ]</td>
</tr>
<tr>
<td>State/Prov</td>
<td>[ ]</td>
<td>[ ]</td>
<td>$[ ]</td>
<td>$[ ]</td>
</tr>
<tr>
<td>Zip/PO Code</td>
<td>[ ]</td>
<td>[ ]</td>
<td>$[ ]</td>
<td>$[ ]</td>
</tr>
<tr>
<td>Phone number(s)</td>
<td>[ ]</td>
<td>[ ]</td>
<td>$[ ]</td>
<td>$[ ]</td>
</tr>
<tr>
<td>H/Z Computer: H8[ ] H89[ ] H90[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>$[ ]</td>
<td>$[ ]</td>
</tr>
<tr>
<td>Oper Sys: HDOS Ver[ ] CP/M Ver[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>$[ ]</td>
<td>$[ ]</td>
</tr>
<tr>
<td>Other (ZCPR, etc.)</td>
<td>[ ]</td>
<td>[ ]</td>
<td>$[ ]</td>
<td>$[ ]</td>
</tr>
<tr>
<td>Computer used mainly for</td>
<td>[ ]</td>
<td>[ ]</td>
<td>$[ ]</td>
<td>$[ ]</td>
</tr>
</tbody>
</table>

Favourite Programming Language(s)          | [ ]      | [ ] | $[ ]    | $[ ]  |

Total of this order: $[ ]

Please, NO C.O.D. orders!

---

Please Pay by Cheque or Money Order Made Out to: L E Geisler <=

NOTE--Only bound back issues of Volumes I thru V are now available!

THANK YOU FOR YOUR ORDER!

Rev #910630
The SEBHC JOURNAL's Back Page

Society and Journal Policies

* The SEBHC JOURNAL is published once a month and strives to be mailed by the 20th of a month—sometimes we make it! Advt deadline, 10th of each month, holidays & "AOGs" permitting.

* Subscriptions: $24.00/year in Canada, Mexico, USA and its' possessions. All subscriptions are mailed FIRST CLASS. Subscriptions start the month following order receipt. PLEASE MAKE CHEQUES or MONEY ORDERS PAYABLE TO L E GEISLER, NOT "the JOURNAL" or "SEBHC". Current back-issue copies are available at $2.50 each. See order blank for bound volume discounts.

* Subscribers are automatically Society of Eight-Bit Heath Computerists members. Member's subscription number and expiration are clearly printed on mailing labels. The three member classes are: REGULAR (voting H/Z 8-bit user) ADVERTISING (one vote/vendor) and ASSOCIATE (non-8-bit computerist, library, etc.). REGULAR members can hold any elective Society office. ASSOCIATE members cannot hold office or vote. The Society's official yearly meeting place and time is announced every July in the JOURNAL. Advance registration of US$25 for each attendee no later than 30 July, please.

* All advertising is printed Free Of Charge. Vendors: Please do submit your B&W "camera-ready" ad copy, 7"w x 9"h (1 page to an issue) no later than the 10th of month in which it's scheduled to appear. All Society members can run one new free 250-word (maximum) Unclassified Want Ad every month.

* All subscribers/members are urged to submit their H/Z-oriented computer articles on disc in standard ASCII format rather than as hard copy. If a word needs to be emphasised or italicised please insert these symbols PRECEDING the word: [EMPH] for emphasis, [ITAL] for italics. We'll return your disc after copying it and will gladly copy any SEBHC JOURNAL software disc onto it. Note: We can't pay authors but we do extend their subscription another year for a published article.

* The SEBHC JOURNAL is composed, edited and published by L E Geisler at 895 Starwick Drive, Ann Arbor, MI 48105. Phone 313-662-0750, 9am - 6pm Eastern Time Zone, Mon thru Fri only. Other times (EMERGENCIES ONLY): 313-769-6052 (residence).

Serving H/Z 8-Bit Users Since 1986

SEBHC Journal
895 Starwick Drive
Ann Arbor, MI 48105
* FORWARDING POSTAGE GUARANTEED
* ADDRESS CORRECTION REQUESTED

===> FIRST CLASS MAIL <===

To Whom It May Concern:

This Item IS * NOT * Junk Mail!