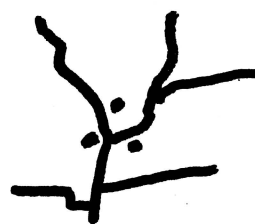


TRS-80 USERS' GROUP of SOUTHERN ILLINOIS

July 1, 1980 - R. W. Hunter



JULY MEETINGS

TUESDAY - JULY 8, 1980 - 7:00 P.M. AT  
the Southern Illinois Airport Flight -  
Training Center, Carbondale, IL.

TUESDAY - JULY 22, 1980 - 7:00PM AT THE  
SOUTHERN ILLINOIS AIRPORT FLIGHT TRAIN-  
ING CENTER, CARBONDALE, IL.

NORMAL MEETINGS ARE HELD ON THE SECOND  
& FOURTH TUESDAY OF EACH MONTH. THE NOR

ABOUT THE GROUP

THE TRS-80 USERS' GROUP OF SOUTHERN ILL-  
INOIS WAS FORMED FROM RADIO SHACK TRS-80  
OWNERS. THE GROUP SUPPORTS THE USE AND  
UNDERSTANDING OF MICROCOMPUTERS WITH PAR-  
TICULAR ATTENTION TO THE TRS-80 AS WELL  
AS OTHER 2-80 & 8080 MACHINES. SOME OF  
OUR MEMBERS USE THE 6502 MICROPROCESSOR.

WE INVITE YOUR PARTICIPATION. YOU NEED  
NOT BE A TRS-80 OWNER. DUES ARE \$5.00  
ANNUAL. IF YOU WISH TO RECEIVE THE NEWS  
LETTER BUT DO NOT PLAN TO PARTICIPATE IN  
THE ACTIVITIES OF THE GROUP A \$2.00 DON-  
ATION IS REQUESTED TO HELP DEFRAY MAIL-  
ING EXPENSES.

WANT MORE INFORMATION? COME TO ONE OF  
OUR MEETINGS OR CONTACT:

JIM HONEY, Pres., 204 Kohler Ave., Anna,  
IL. 62906 - Ph. 833-2519  
JOE PARLA, Sec/Treas., Rt. 6, Carbondale  
IL. 62901 - Ph. 549-0033  
LARRY JUHLIN, Exec.Comm., 306 Emerald Ln  
C'dale, IL. 62901 Ph. 549-6729  
RON HUNTER, Editor, Rt. 5 H.O. 6, Murphy  
sboro, IL. 62966 Ph. 687-3138

WELCOME TO NEW MEMBERS:

KIETH CARLSON OF CARBONDALE, IL.  
HARRY TREECE OF CARTERVILLE, IL.  
AND A HEARTY HELLO TO:  
DICK HEYDER OF WEST FRANKFORT, IL.

MURDALE STORE HAS A NEW MANAGER

WELCOME ABOARD BILL HINCHCLIFF! BILL IS  
A HAM RADIO OPERATOR & COMPUTER OWNER.  
BILL HAS OWNED AND MANAGED HIS OWN STORE  
(BILLS GUNS). HE OBVIOUSLY ENJOYS ELEC-  
TRONICS AND TECHNICAL SUBJECTS.

BILL HAS INDICATED THAT HE INTENDS TO  
UPGRADE THE PARTS & COMPUTER INVENTORY  
OF THE MURDALE STORE. I'M SURE WE WILL  
BE SEEING HIM AT THE MEETINGS ONCE HE IS  
SETTLED IN.

IN CASE YOUR WONDERING CHRIS WAS TRANS-  
FERRED TO RENO, NEVADA.

5.25 INCH HARD DISK !

SHUGART TECHNOLOGY HAS ANNOUNCED THE ST-  
506 A 5.25 INCH HARD DISK CAPABLE OF 6.3  
MEGABYTES STORAGE. THE NEW DRIVE WILL  
OCCUPY ROUGHLY THE SAME SPACE AS MINI-  
FLOPPIES.

THE NEW DRIVE IS CAPABLE OF TRANSFERRING  
DATA 20 TIMES AS FAST AS A MINIFLOPPY &  
STORES 30 TIMES THE DATA. AVERAGE ACC-  
ESS TIME IS 170 MSEC AND TRACK TO TRACK  
PERFORMANCE IS 3 MSEC. SINGLE UNIT PRICE  
TO OEMS IS \$1,500. WE UNDERSTAND THAT  
LOBO WILL BE INTRODUCING A PLUG IN READY  
TO RUN VERSION FOR THE TRS-80 AND APPLE  
IN THE NEAR FUTURE.

RADIO SHACK PRINTER SALE

RADIO SHACK HAS REDUCED THE PRICE ON TWO  
PRINTERS. THE '779' FRICTION FEED HAS  
BEEN REDUCED TO \$960 FROM \$1,299 AND THE  
TRS-80 SCREEN PRINTER HAS BEEN REDUCED A  
FULL \$400 TO \$199! THE ANNOUNCEMENT WAS  
MADE IN THE JUNE 1980 ISSUE OF 'TRS-80  
MICROCOMPUTER NEWS'.

PARDON THE SHORT ISSUE. THE WEATHER DID  
NOT COOPERATE THIS PAST WEEKEND! WHAT A  
STORM!

FOR SALE

TRS-80 MODEL I, 16K LEVEL II, CASSETTE, B & W TV AND RF MODULATOR. ALL FOR \$500 CALL JOE PARLA AT 549-0033 EVENINGS.

FOR SALE

MAGAZINES BY THE POUND! PLENTY TO CHOOSE FROM INCLUDING EARLY KILOBAUDS AND BYTE. CONTACT: ANDY THORNBURG, R.R. 2, THOMPSONVILLE, IL., 62890 OR Ph. 627-2166

FOR SALE

LIGHT PENS - PLUGS BETWEEN KEYBOARD AND CASSETTE. DOCUMENTATION, SAMPLE SOFT - WARE INCLUDED FOR JUST \$14.95 !

REVERSE VIDEO KIT - WITH TOUCH CONTROL. SIMPLE INSTALLATION REQUIRES JUST 1 HOUR PRICED RIGHT AT \$39.95 OR ADD \$10.00 FOR INSTALLATION.

BOB DAY, 109 E. MAPLE, HARRISBURG, IL., 62946 OR PHONE 252-4338 EVENINGS.

FOR SALE

ORIGINAL BOWLING LEAGUE STATISTICS PACKAGE BY INSTANT SOFTWARE. INCLUDES DATA TAPE AND DOCUMENTATION. UNUSED. WILLING TO DEAL. RON HUNTER, RT. 5 H.O. 6, MURPHYSBORO, IL. 62966 OR Ph. 687-3138

CONSULTING

DATA PROCESSING CONSULTANT SPECIALIZING IN RADIO SHACK AND NCR SYSTEMS. TWENTY YEARS EXPERIENCE.

A. DEAN AUSTIN, 2620 QUEENSWAY RD., SPRINGFIELD, IL. 62703 Ph. 217-529-2808

NEWSLETTER

CHICATRUG NEWS - THE CHICAGO TRS-80 USER GROUP NEWSLETTER IS NOW IN ITS 3RD YEAR OF PUBLICATION. MANY HELPFUL HINTS AND TUTORIALS. \$12<sup>yr</sup> FROM EMMANUEL B. GARCIA JR. & ASSOCIATES, 203 N. WABASH, ROOM 1510, CHICAGO, IL. 60601

FOR SALE

CENTRONICS 789 PRINTER. CONTACT KEITH CARLSON, 206 S. MAPLE, CARBONDALE, IL., 62901. PLEASE WRITE AS IT WILL BE DIFFICULT TO REACH ME OTHERWISE.

DATABUS

GORDON FLOM IS NOW RUNNING CPM AND WORD STAR (WORD PROCESSOR BY COMP PRO) ON HIS MODEL II. GORDON IS IMPRESSED BY WORD STAR STATING THAT IT IS FAR SUPERIOR TO TO EITHER THE ELECTRIC PENCIL OR RADIO SHACKS SCRIPSIT. LIKE OTHERS WHO HAVE MADE THE SWITCH, GORDON FEELS THAT CP/M IS DIFFICULT TO ADAPT TO. IT IS AN EXCELLENT OPERATING SYSTEM HOWEVER.

RICHARD JOHNSON HAS HIS SECOND DRIVE RUNNING ON THE NORTH STAR NOW.

DIGI-U-KNOW THAT MOMS (A HARDWARE & SOFTWARE MAILORDER FIRM) IS OWNED & OPERATED BY THE PUBLISHER OF KILOBAUD MICROCOMPUTING AND 80 MICROCOMPUTING? (I DIDN'T KNOW THAT!)

ARE YOU STILL PUZZLEING OVER WHICH LOWER CASE MOD? IF YOU DONT WANT TO PART WITH THE BUCKS & WANT ELECTIC PENCIL COMPATIBILITY, THE EASIEST WAY OUT IS STILL THE ELECTIC PENCIL MOD (1 21L02 CHIP & TWO SWITCHES). UP UNTIL RECENTLY THERE WERE NO DECENT SOFTWARE DRIVERS FOR USING THE MOD WITHOUT THE PENCIL. THE MARCH EDITION OF KILOBAUD MICROCOMPUTING CONTAINS AN EXCELLENT ASSEMBLY LANGUAGE DRIVER. IN FACT YOU MAY WANT TO USE THE DRIVER WITH OUT THE LOWER CASE MOD, JUST TO DO SOME PRINTER ROUTINES. IT WILL DO WRAP-AROUND ON WHATEVER LINE LENGTH YOU SPECIFY, AUTO LINE FEED & ECHO VIDEO TO THE PRINTER. THE ECHO FEATURE MAKES YOUR PRINTER ACT LIKE A TYPEWRITER. ALL OF THE OPTIONS CAN BE ACCESSED BY POKING A SWITCH (0=OFF / 1=ON) OR LINE LENGTH IS ADJUSTED BY POKING THE ACTUAL NUMBER OF CHARACTERS IN DECIMAL TO A MEMORY LOCATION.

THANKS TO DOUG OVERMAN FOR FURNISHING A MODEL II FOR DEMO AT THE LAST MEETING.

0 'EXPLORING  
THE PRINUSING STATEMENT  
A. SOLLBERGER 07 JUNE 80

(TO WORK ON THE SCREEN,  
USE 'PRINT' INSTEAD OF  
'LPRINT')

```
5 CLS:
  B$="SMALL":
  C$="RADIO SHACK":
  D$="COMPUTER":
  LPRINTTAB(20)B$,
  TAB(40)C$,TAB(60)D$:
  GOTO40
10 INPUT"WHAT FORMAT";A$
20 LPRINTTAB(10)"FORMAT --> ";
  CHR$(127);A$;CHR$(127)
30 LPRINTTAB(10)"RESULT --> ";
  CHR$(127);:
  LPRINTUSINGA$;B$,C$,D$;:
  LPRINTCHR$(127)
40 INPUT"CONTINUE";E$:
  LPRINTSTRING$(3,138):
  GOTO10
```

0 'M E M D R A G N,  
A. SOLLBERGER, 07JUNE80,

RUN THIS LITTLE PROGRAM  
AND SEE THE DRAGON  
EAT YOUR MEMORY  
(PUT A LITTLE TRAN-  
SISTOR RADIO CLOSE  
TO RIGHT HAND CORNER  
OF KEYBOARD).

```
40 CLS:RANDOM
50 GOSUB100
60 END '
```

```
100 PRINT@A,"      ";;
  A=RND(1018):
  PRINT@A,"CHOMP";:
  PRINT@470,MEM;:
  FORN=1TO99:NEXT:
  GOTO50:
  RETURN
```

=====

H A P P Y F O U R T H O F J U L Y

E V E R Y O N E !

=====

0 'EXPLORING OVERHEAD MEMORY  
COST OF ARRAYS.

A. SOLLBERGER, 07 JUNE 80.  
THIS WILL SCARE YOU !

5 'RUN EACH OF THE SMALL  
PROGRAMS, AND COMPARE  
(RUN10, RUN20, RUN30,  
RUN40, RUN50)

```
10 CLEAR0:
  B=MEM:
  C$="500":
  DIMA(500):
  GOTO100
11 END
```

```
20 CLEAR0:
  B=MEM:
  C$="2,250":
  DIMA(2,250):
  GOTO100
21 END
```

```
30 CLEAR0
  B=MEM:
  C$="2,2,125":
  DIMA(2,2,125):
  GOTO100
31 END
```

```
40 CLEAR0:
  B=MEM:
  C$="2,2,5,25":
  DIMA(2,2,5,25):
  GOTO100
41 END
```

```
50 CLEAR0:
  B=MEM:
  C$="2,2,5,5,5":
  DIMA(2,2,5,5,5):
  GOTO100
```

```
51 END
100 CLS:
  PRINT"ARRAY IS (";C$;")
```

M E M O R Y :

```
BEFORE ARRAY -> ";B:
  A=MEM:
  PRINT" AFTER ARRAY -> ";A:
  DIFFERENCE ";B-A:
  PRINT:PRINT:PRINT
101 END
```

=====