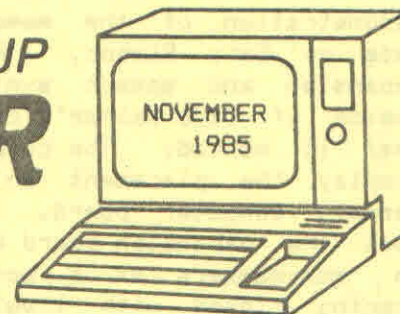


## CEDAR VALLEY 99'ER USER GROUP

# NEWSLETTER



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### NEWSLETTER TOPICS

1. Next Meeting Reminder
2. Minutes From November Meeting
3. Program Review - Skyscape
4. Title Screen
5. For Sale/Wanted
6. Printing Tip
7. Color Blend
8. The 99'ers Association
9. Forth Class Being Formed
10. Assistance For Club Library
11. Membership Renewal
12. New Catalog
13. Programming Request
14. Good/Bad News For CV U.G.
15. Survey Results
16. Dates With Tiny/Cal
17. Tips From The Tigercub

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### \*\*\*NEXT MEETING REMINDER\*\*\*

The December meeting will be Monday, Dec. 16, 7:00 P.M. at the JA building, 330 Collins Road N. E. John and Eric Johnson will be giving a demonstration of Super Sketch and Dave Dalton will be demonstrating the freeware program called DM1000 - a disk manager program. See you there.....

### \*\*\*MINUTES FROM NOVEMBER MEETING\*\*\*

The November 11, 1985 meeting was called to order at 7:06 PM by President Jim Green. There were 26 people present. He announced that the newsletter was late from the printers and there was no mail on the day after due to Veteran's Day. He handed out newsletters to those with Collins' mail stations, and the rest will be received in the mail Tuesday. Minutes of October's

meeting were read and approved. A Treasurer's report for October and end of the year were read and approved. Jim then explained the format for the evening's meeting. Old Business: A report on the memory expansion circuit board was given. We found someone to layout the board, and we may have boards delivered by Thanksgiving. If anyone is interested in a group purchase of memory chips, see Gary Bishop. The cost is under \$5 per chip, and 4 are required. Classes: a new Forth class will be starting early in January, and possibly an assembly language class. Contact Jim Green if interested. A new software catalog is available with your membership renewal. Tee shirts were not in yet from the Milwaukee UG. The Australian Graphics Companion is available for \$30 if we get a group order of 5 or more, we need one more. See Ed Hayek after the meeting. Several questions were asked about this program. No HCM magazine has been received yet. Freeware: Bruce Winter requested some of this for the club. It will be available free in our library, but it is encouraged to send the author a donation for his efforts. Micropendium lists Freeware every 2 or 3 months. New Business: We received in the mail Tigercub tips from Jim Peterson, and a request from him. His costs are high, and he is receiving little support from the user groups. He will offer a 10% rebate to the UG thru Jan. 1 for any orders placed thru the user group. We have his software catalog list for those interested. A new Unisource catalog has been received. We receive a 4% rebate for any orders placed thru our Unisource rep, which is Jerry Canady. We have 4 power supplies and 4 modulators for repair of members' computers. A request was made by a member for paper route software, and the details were read. Bruce Winter will lead the

effort. If on the software committee or interested, contact Bruce. A request was made for a program on repair of disk drives. Door prize won by #188635, Matt Wahlstrom. He selected the Navarone Widget. Second prize of 4 library programs was won by #188640, Dan Davis. A short demonstration of the memory expansion was made by Gary Bishop. He displayed the expansion and speech synthesizer installed inside of Dave Dalton's console, and showed that it worked. The computer was apart to display the placement on top of the main console computer board. It was indicated that the expansion board would be available to non-members at a modest cost. The evening closed with lively buying, selling and horsetrading of TI related goods. Respectfully submitted - Gary D. Bishop, Secretary

\*\*\*\*PROGRAM REVIEW\*\*\*\*

A new program has been added to the club library called Skyscape from the Nov. 1985 Compute.

This program, written by a planetarium director, presents the sky as it can be viewed at any date and time from the year 1977 onward - including zodiac constellations and all visible planets. It also calculates planet tables, positions of the sun, and phases of the moon for any date and time from 1977 into the future. As an extra bonus, it can even display Halley's Comet.

Extended Basic and 32K memory expansion are needed to run this program. Bob Walstrom

\*\*\*\*FOR SALE/WANTED\*\*\*\*

- 1) For Sale - UltraComp stand alone box with RS-232C and parallel printer port plus an Anderson-Jacobson 300 baud acoustic modem. Here is your chance to talk to bulletin boards and to connect your printer for \$145. Call Dan Davis @ (319) 365-6653.
- 2) For Sale - Complete TI 99/4A system, including printer, expansion box, and software. \$750. Oliver Duex, Santa Barbara, CA. See Jim Green for more details.
- 3) For Sale - 25 pin serial connector for printer \$5; black TI computer keys \$1 for all; Homework Helper + with 25,000 word speller/checker \$10; a book called 36 TI 99/4A Programs For Home, School, and Office \$4; a book called 101 TI 99/4A Programs For Home, School, and Office \$6; another book called Joy of Computer

- Communications \$5. Dave Dalton  
4) Wanted - Introduction to Assembly Language by Ralph Molesworth. Dave Dalton.

\*\*\*\*TITLE SCREEN\*\*\*\*

From the Brevard U. G. of Florida

```
CALL INIT :: CALL PEEK(2,A,B) :: CALL  
LOAD(-31804,A,B)
```

This statement will bring up the TITLE SCREEN -- a neat way to end a program!

\*\*\*\*PRINTING TIP\*\*\*\*

When you have print statements in a program, an easy way to find the beginning of each line is to look for the first letter of the first word to be displayed. The first letter of each following line will fall directly below it. In the following example, the letters underlined will be the first letter on a new line.

```
100 CALL CLEAR  
110 PRINT "Now is the time f  
or all goodmen to come to t  
he aid of their country."  
120 GOTO 120
```

Submitted by John Johnson

\*\*\*\*COLOR BLEND\*\*\*\*

If you want pastel colors in your programs, make every other dot in your char a one or a zero and then call the background color to be white (16). The program below will change the cyan color to a pastel shade.

```
90 CALL SCREEN(16)  
100 CALL COLOR(1,8,16)  
110 CALL CHAR(32,"55AA55AA55AA55AA")  
120 CALL CLEAR  
130 GOTO 130
```

Try also 14, 12, 10, and 2 in line 100 second number for other colors. John Johnson

\*\*\*\*99'ers ASSOCIATION\*\*\*\*

The 99'ers Association is offering a reduced subscription (\$9.00) for the National Ninty-Niner. The rates are applicable only if ten members of a users group minimum, who are not current subscribers of the publication, elect to subscribe. The offer expires at midnight on December 15, 1985. Ten issues are published per year. Do we

have enough people interested? Please contact Jim Green.

\*\*\*\*GOOD/BAD NEWS FOR CV U. G.

\*\*\*\*FORTH CLASS\*\*\*\*

Interest was shown at the October meeting for a beginning Forth language special interest group. We have asked Jim Trainor to teach the class, and we will probably start after the December holidays. Class sign-up will be this month! Call Jim Green or Jim Trainor if you want to participate, or sign up at the December 16 meeting. Forth requires an expanded system.

The good news is that we were able to get enough members together to place an order for the Graphx software at a very good price. The software has been ordered as of November 21st so with luck we may have it for distribution at the next meeting. I ordered the best version for each member who was interested based upon the equipment he/she listed on the survey form. The final price should be \$31.00 each.

\*\*\*\*CLUB LIBRARY\*\*\*\*

Help! The club had a disk go bad and we lost the following programs. If you have a copy, please contact Bruce Winter at 362-6196 so we can get these back into the library:

The bad news is that the Milwaukee area users group returned the check for our T-Shirt order. Apparently the organization that was filling their orders would not do it any longer so they have been returning the orders.

More good news. The next issue of Home Computer Magazine has arrived. Ed Hayek

- #7036 Bartender
- #5912 Active Filter
- #5913 Ham File
- #7030 Tape File
- #1025 Mugwampus
- #1027 TI Wars
- #6010 TI XB Graphics Demo

Other note: Freeware takes 1 full disk, for each program. Freeware is for disk systems only.

More good news. The next issue of Home Computer Magazine has arrived. Ed Hayek

\*\*\*\*SURVEY RESULTS\*\*\*\*

On the next page, you will find the results of the latest survey taken from our UG. I hope you find it interesting. If we feel you want more of this kind of information we'll update it after more renewals. Let us know what you want. The officers appreciate your taking the time to fill out this survey. It does help us plan programs which should appeal to a larger portion of our membership. Ed Hayek

\*\*\*\*MEMBERSHIP RENEWAL\*\*\*\*

Several members have not yet renewed their membership for 1986. Are you one of the forgetful ones? If so, please send your renewal forms (See October Newsletter) to Ed Hayek or Jim Green. In accordance with our bylaws, the January newsletter will be your last, unless you renew your membership. J. G.

\*\*\*\*CV99'er UG OFFICERS\*\*\*\*

President: Jim Green  
288 Windsor Dr. NE  
Cedar Rapids, IA 52402  
377-4073 (Home) or  
395-1898 (Office)

\*\*\*\*NEW CATALOG\*\*\*\*

New catalogs have been mailed by Tenex Computer Express, South Bend, IN. If you are not on their mailing list, call them at 800-348-2778 or 219-259-7051. They carry almost everything for the TI 99/4A system.

Vice President: Bruce Winter  
242 11 St NW  
Cedar Rapids, IA 52405  
362-6196

\*\*\*\*PROGRAMMING REQUEST\*\*\*\*

Dave Dalton would like to know if anyone has written a program to generate the sound of a crowd cheering?

Secretary: Gary Bishop  
860 Westview Dr  
Marion, IA 52302  
377-9574

Treasurer: Ed Hayek  
3864 Lost Valley Rd SE  
Cedar Rapids, IA 52403  
366-4793

## SURVEY RESULTS-MEMBERSHIP RENEWAL SURVEY

The following summary of the responses to the survey questions asked on our renewal form might be of interest to members. The level of hardware and software in our group has become more sophisticated. Other responses are also interesting.

1. Members own the following hardware:

Speech Synthesizer	92%	Modem	42%
PE Box	46%	Additional Drive	4%
Expanded Memory	58%	99/4A Console	100%
RS-232 Interface	54%	Printer	46%

2. Members own the following software:

Extended Basic	85%	Multiplan	12%
TE II	65%	Logo	12%
Mini-Memory	23%	Ed-Assembler	27%
TI-Writer or Equiv.	42%	None of Above	12%

3. Most of the membership computer time is devoted to:

Education	19%	Data Handling	8%
Games	27%	Programming	35%
Word Processing	15%	Other	4%

4. The second most common use for the computer is:

Education	38%	Data Handling	23%
Games	19%	Word Processing	15%
Programming	4%	Other	4%

5. Computer magazines subscribed to:

HCM	77%	Byte	8%
Family Computing	27%	Compute	38%
Personal Computing	4%		

6. 73% of the members can do their own programming

7. Members would be interested in the following classes:

Basic	4%	Assembly	46%
Extended Basic	4%	None	38%
Forth	35%		

8. Club members are willing to help with these committees:

Library	15%	Newsletter	0%
Technical/Hardware	31%	Software	31%
Education	0%	Not Interested	38%

9. I attend meetings for following reasons: 1st 2nd

Learn about available software	31%	38%
Learn about available hardware	12%	19%
Learn about additional uses for computer	69%	15%
Learn how to get started on computer	4%	
To socialize	4%	23%
To win a great door prize	8%	15%

10. The membership has the following intentions for their home computer:

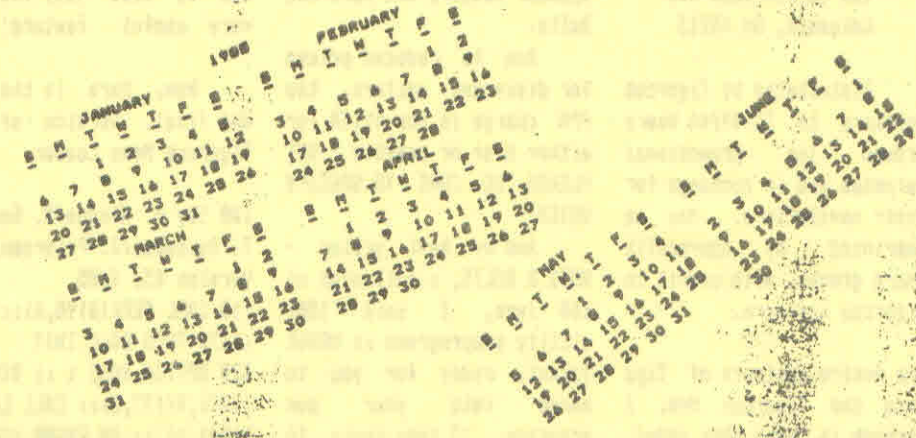
They will upgrade hardware and software	54%
They will acquire a different computer	8%
They will use system as is	31%
Probably won't use the computer much	12%

# Dates at a glance with TINY/CAL

Companies that produce calendars have one goal in mind: helping others keep track of days, weeks and months. It's a multi-million dollars business with a market that won't quit. After all, just about everyone has need for a calendar, every year.

Richard J. Bailey of Gonic, New Hampshire, is listing a number of programs as Freeware. Among them are several that produce and print calendars for any year from 1776 to 2099. These calendars are printed in a variety of sizes using Epson/TI type printers, including Gemini. The program listed here is called TINYCAL and produces, what else, a tiny calendar.

The program can probably be modified to operate using any dot-matrix printer that includes super/subscript characters. Although it is designed for RS232 operation,



users may use parallel printers simply by changing the I/O characteristics in line 280. It is in line 280 that the super/subscript characters are accessed. This line may be used as the basis

for "miniaturizing" printer output for many programs, including disk catalog programs.

The program requires Extended BASIC.

## TINYCAL

```

100 !*****
110 !*      TINY      *
120 !*EPSON/TI CALENDER*
130 !*      BY      *
140 !*RICHARD J. BAILEY*
150 !*68A CHURCH STREET*
160 !*GONIC, N.H. 03867*
170 !*****
180 DIM T(12),D(12),MO$(12):
190 CALL CLEAR::CALL SCREEN(
200 2)::FOR I=0 TO 14::CALL C
210 OLDR(I,16,2)::NEXT I
220 FOR I=1 TO 12::READ T(
230 I),D(I),MO$(I)::NEXT I
240 DATA 7,31,JANUARY,30,28,
250 FEBRUARY,8,31,MARCH,32,30,AP
260 RIL,9,31,MAY,32,30,JUNE
270 DATA 9,31,JULY,31,31,AUG
280 UST,6,30,SEPTEMBER,30,31,OCT
290 OBER,7,30,NOVEMBER,30,31,DEC
300 EMBER
310 DISPLAY AT(5,14):"TINY":
320 " EPSON/T.I. CALENDAR":
330 "","":**THIS PROGRAM WILL P
340 RINT A": CALENDAR FOR ANY
350 YEAR FROM:" 1776 TO 2099."

```

```

230 DISPLAY AT(13,1):"**SET
240 TOP OF FORM AND ENTER": " TH
250 E YEAR AS A FOUR DIGIT": " N
260 UMBER (ex. 1985) OR": "
270 JUST ENTER TO EXIT PROGRAM"
280 DISPLAY AT(19,1)BEEP:"**
290 ENTER CALENDAR YEAR"::ACCE
300 PT AT(19,24)SIZE(4)VALIDATE(
310 DIGIT):Y$
320 IF Y$="" THEN CALL CLEAR
330 ::END ELSE Y=VAL(Y$)::IF
340 Y<1776 OR Y>2099 THEN 240
350 260 IF INT(Y/4)*4=Y AND NOT(
360 INT(Y/100)*100=Y AND INT(Y/4
370 00)*400<>Y)THEN D(2)=29
380 DI=Y-1906+INT((Y-1901)/4
390 ):D(0)=DI+1-(INT(DI/7)*7)
400 280 M2=0::OPEN #1:"RS232.B
410 A=2400.DA=B"::PRINT #1:CHR
420 $(27);"S";CHR$(1);CHR$(15);C
430 HR$(27);"3";CHR$(14);TAB(19)
440 ;Y
450 290 FOR I=1 TO 12 STEP 2::
460 PRINT #1:TAB(T(I));MO$(I);TA
470 B(T(I+1));MO$(I+1)
480 300 J,K=1::A,M1=D(I-1)+M2

```

```

490 ::B,M2=M1+D(I)
500 310 PRINT #1:CHR$(27);"3";CH
510 R$(8);"S M T W T F S
520 S M T W T F S":CHR$(
530 27);"3";CHR$(14);" - - - -
540 - - - -"
550 320 IF J>D(I)THEN 330::IF
560 A>7 THEN A=A-7::GOTO 320 E
570 LSE PRINT #1:TAB(A*3-2);STR$(
580 J);::IF A=7 THEN 330 ELSE
590 A=A+1::J=J+1::GOTO 320
600 330 IF K>D(I+1)THEN 340::I
610 F B>7 THEN B=B-7::GOTO 330
620 ELSE PRINT #1:TAB(21+B*3);S
630 TR$(K);::IF B=7 THEN 340 EL
640 SE B=B+1::K=K+1::GOTO 33
650 0
660 340 IF J>D(I)AND K>D(I+1)THE
670 N 350 ELSE PRINT #1:""::A=
680 A+1::B=B+1::J=J+1::K=K
690 +1::GOTO 320
700 350 PRINT #1:""::NEXT I::
710 PRINT #1:"":CHR$(27);"@":
720 CLOSE #1::RESTORE::GOTO
730 190

```



```

ING 250:NN+3
470 DISPLAY AT(X+6,1):" C
hoice?" :: ACCEPT AT(X+6,16)
SIZE(-3)VALIDATE(DIGIT):K
480 IF FLAG=1 THEN 500
490 IF K=NN+2 THEN 840 ELSE
IF K=NN+3 THEN CLOSE #1 :: N
N=0 :: GOTO 190
500 IF K<NN AND K<NN+1 THE
N 590
510 IF K=NN THEN CALL CLEAR
:: CLOSE #1 :: END
520 DISPLAY AT(X+5,12)SIZE(1
2):" ?" :: ACCEPT AT(X+5,15
)SIZE(2)VALIDATE(DIGIT):KD :
: IF KD<1 OR KD>NN THEN 520
530 IF V(KD,1)>0 THEN 550
540 FOR J=1 TO 10 :: DISPLAY
AT(11,1):" " : PROTECTED -
CANNOT DELETE:" " :: DISPL
AY AT(12,1):" " :: NEXT J ::
GOTO 570
550 DISPLAY AT(X+6,1)SIZE(27
)BEEP:" Verify - Delete ";PG
$(KD);?" :: DISPLAY AT(X+6,
28)SIZE(1):"Y" :: ACCEPT AT(
X+6,28)SIZE(-1)VALIDATE("YN"
):Q$ :: IF Q$<>"Y" THEN 570
560 DELETE D$&PG$(KD)
570 CLOSE #1
580 CALL VCHAR(1,3,32,672)::
NN=0 :: X=0 :: FLAG=0 :: 60
TO 260
590 IF K<1 OR K>127 OR LEN(P
6$(K))=0 THEN 430
600 IF ABS(V(K,1))=5 OR ABS(
V(K,1))=4 AND V(K,2)=254 THE
N 640
610 DISPLAY AT(12,1)ERASE AL
L:"Print to ? S": "(P)rinte
r?": "(S)creen?" :: ACCEPT AT
(12,12)SIZE(-1)VALIDATE("PS"
):Q$ :: IF Q$="S" THEN PP=0
:: GOTO 630
620 DISPLAY AT(12,1)ERASE AL
L:"PRINTER? P10" :: ACCEPT A
T(12,10)SIZE(-18):P$ :: OPEN
#3:P$ :: PP=3
630 CALL CLEAR :: CALL SCREE
N(16):: ON ABS(V(K,1))GOTO 6
80,690,750,760
640 CLOSE #1 :: IF SE6$(P6$(
K),LEN(P6$(K)),1)="" THEN D
ISPLAY AT(12,1)ERASE ALL:"RE
TURN TO BASIC AND LOAD BY:"
TYPING OLD ";D$&PG$(K):: STO
P
650 CALL PEEK(-31952,A,B)::
CALL PEEK(A=256+B-65534,A,B)
:: C=A=256+B-65534 :: A=0$&

```

```

P6$(K):: CALL LOAD(C,LEN(A$)
)
660 FOR I=1 TO LEN(A$):: CAL
L LOAD(C+I,ASC(SE6$(A$,I,1))
):: NEXT I :: CALL LOAD(C+I,
0)
670 CALL VCHAR(1,3,32,672)::
CALL SCREEN(8):: FOR S=0 TO
14 :: CALL COLOR(S,2,1):: N
EXT S :: DISPLAY AT(12,2):"L
DADING ";A$ :: GOTO 900
680 OPEN #2:D$&PG$(K),INPUT
,FIXED :: GOTO 700
690 OPEN #2:D$&PG$(K),INPUT
700 LINPUT #2:M$ :: PRINT #P
P:M$ :: IF EOF(2)THEN 730
710 CALL KEY(0,K,S):: IF S=0
THEN 700
720 CALL KEY(0,K2,S2):: IF S
2<1 THEN 720 ELSE 700.
730 CLOSE #1 :: CLOSE #2 ::
PRINT " >>>press any key<<
" :: IF Q$="P" THEN CLOSE #
3
740 CALL KEY(0,K,ST):: IF ST
<1 THEN 740 ELSE 580
750 OPEN #2:D$&PG$(K),INPUT
,INTERNAL,FIXED :: J=0 :: 60
TO 770
760 OPEN #2:D$&PG$(K),INPUT
,INTERNAL :: J=0
770 IF EOF(2)=1 THEN 730 ::
J=J+1 :: INPUT #2:M$ :: IF L
EN(M$)=0 THEN 790
780 PRINT #PP:M$ :: GOTO 820
790 FOR Y=1 TO 8 :: @=ASC(S
E6$(M$,Y,1)): IF @<32 OR @
@>127 THEN 810
800 NEXT Y :: GOTO 780
810 RESTORE #2 :: FOR X=1 TO
J-1 :: INPUT #2:M$ :: NEXT
X :: INPUT #2:M :: PRINT #PP
:M
820 CALL KEY(0,K,S):: IF S=0
THEN 770
830 CALL KEY(0,K2,S2):: IF S
2<1 THEN 830 ELSE 770
840 DISPLAY AT(24,1):"PRINTE
R NAME? P10" :: ACCEPT AT(24
,15)SIZE(-14):PP$ :: OPEN #2
:PP$ :: PRINT #2:SE6$(D$,1,4
)&" - Diskname="&M$
850 PRINT #2:RPT$("z",28):"A
vailable=";350-VT;"Used=";VT
:RPT$(" ",28)
860 PRINT #2:"FILENAME SIZE
TYPE":RPT$(" ",28)
870 FOR P=1 TO NN-1 :: PRINT
#2:P6$(P);TAB(15);V(P,3);TA
B(20);T$(ABS(V(P,1)));TAB(25

```

```

);V(P,2):: NEXT P :: CLOSE #
2
880 DISPLAY AT(12,3)ERASE AL
L:"(P) to print again:" (R
) to rescans": (Q) to quit"
890 ACCEPT AT(15,4)VALIDATE(
"PQR")SIZE(-1)BEEP:Q$ :: IF
Q$="P" THEN 840 :: CLOSE #1
:: NN=0 :: IF Q$="R" THEN 19
0 ELSE END
900 RUN "DSKX.1234567890"

```

This version turns off the Quit key, restarts itself rather than crashing on an I/O error, and has pre-scan for faster start-up. It displays disk name, sectors available and sectors presumably used - it also totals up actual sectors used and sounds a warning if any sectors are not accounted for.

It lists up to 127 programs and files by number, filename, number of sectors, program or file type, file record length, and write-protection. It will stop for menu selection on any keypress or at the end of each screen, continuing on Enter. It will load and run any program that can run from Extended Basic, displaying its filename while loading. If the filename ends in an asterisk, it will warn you to return to Basic. It will delete any unprotected program or file, after first requiring verification by filename, or will inform you if the file is protected. It will read any readable file, including internal numeric, and list it to screen or printer. It will dump a catalog of the disk to your printer, and it will offer the option of quitting or rescanning the disk or another disk. And it's free, I don't even want a freeware donation - but I would appreciate if you would take a look at my catalog and see if,

somewhere among those 140 programs, there might be something you would be willing to pay \$3 for? The Menu Loader is included as a bonus on every disk I sell!

```

100 CALL CLEAR :: RANDOMIZE
:: DISPLAY AT(3,4):"TIGERCUB
MATH PUZZLE"
110 DISPLAY AT(6,1):"Insert
+, -, * (multiply) OR / (div
ide) between the digits
to equal the total": "Type
Q to give up"
120 DISPLAY AT(12,1):"Level
1 or 2?" :: ACCEPT AT(12,15)
VALIDATE("12"):L$
130 T,X=INT(9*RND+1):: M$=ST
R$(X):: Z$=M$&" "
140 FOR J=1 TO 4 :: Y(J)=INT
(9*RND+1):: Z=INT(4*RND+1)::
ON Z GOSUB 240,250,260,270
:: Z$=Z$&STR$(Y(J))&" " :: N
EXT J
150 IF L$="1" AND T<>INT(T)T
HEN 130 :: Z$=Z$&" "&STR$(T)
160 DISPLAY AT(12,1):Z$ :: D
ISPLAY AT(18,1):" " :: DISPL
AY AT(20,1):" " :: DISPLAY A
T(22,1):" "
170 P=2 :: FOR J=1 TO 4 :: A
CCEPT AT(12,P)VALIDATE("Q+-=
/")SIZE(1):S$
180 IF S$="Q" THEN 200 ELSE
IF S$="+" THEN X=X+Y(J)ELSE
IF S$="-" THEN X=X-Y(J)ELSE
IF S$="*" THEN X=X*Y(J)ELSE
X=X/Y(J)
190 P=P+2 :: NEXT J :: IF X=
T THEN 230 :: DISPLAY AT(18,
1):"WRONG!"
200 DISPLAY AT(20,1):"ANSWER
IS ";M$
210 DISPLAY AT(22,1):"PRESS
ANY KEY"
220 CALL KEY(0,K,ST):: IF ST
<1 THEN 220 :: GOTO 130
230 DISPLAY AT(18,1):"RIGHT!
" :: GOTO 210
240 M$=M$&" "&STR$(Y(J)): T
=T+Y(J):: RETURN
250 M$=M$&"-"&STR$(Y(J)): T
=T-Y(J):: RETURN
260 M$=M$&"*"&STR$(Y(J)): T
=T*Y(J):: RETURN
270 M$=M$&"/"&STR$(Y(J)): T
=T/Y(J):: RETURN

```

Enjoy!

Jim Peterson

**REMINDER: THE NEXT MEETING IS MONDAY, DECEMBER 16!**

Cedar Valley 99'er User's Group  
288 Windsor Dr. NE  
Cedar Rapids, IA 52402

GARY BISHOP  
124-222  
860 WESTVIEW DR  
MARION IA 52302