



## TIPS FROM THE TIGERCUB

#51

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TIGERCUB SOFTWARE  
156 Collingwood Ave.  
Columbus, OH 43213

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Over 120 original programs in Basic and Extended Basic, available on cassette or disk, NOW REDUCED TO JUST \$1.00 EACH!, plus \$1.50 per order for cassette or disk and P&M. Minimum order of \$10.00. Cassette programs will not be available after my present stock of blanks is exhausted. The Handy Dandy series, and Color Programming Tutor, are no longer available on cassette. Descriptive catalogs, while they last, \$1.00 which is deductible from your first order.

Tigercub Full Disk Collections, reduced to \$5 postpaid. Each of these contains either 5 or 6 of my regular catalog programs, and the remaining disk space has been filled with some of the best public domain programs of the same category. I am NOT selling public domain programs - they are a free bonus!

TIGERCUB'S BEST, BRAIN TEASERS, PROGRAMMING TUTOR, PROGRAMMER'S UTILITIES, BRAIN GAMES, BRAIN BUSTERS!, ACTION GAMES, REFLEX AND CONCENTRATION, KID GAMES, MANEUVERING GAMES, TWO-PLAYER GAMES, WORD GAMES, MORE GAMES, ELEMENTARY MATH, VOCABULARY AND READING, MIDDLE/HIGH SCHOOL MATH, MUSICAL EDUCATION, KALEIDOSCOPES AND DISPLAYS

## NUTS &amp; BOLTS DISKS

These are full disks of 100 or more utility subprograms in MERGE format, which you can merge into your own programs and use, almost like having another hundred CALLS available in Extended Basic. Each is accompanied by printed documentation giving an example of the use of each. NUTS & BOLTS (No. 1) has 100 subprograms, a tutorial on using them, and 5 pp. documentation. NUTS & BOLTS No. 2 has 108 subprograms, 10 pp. of documentation. NUTS & BOLTS #3 has 140 subprograms and 11 pp. of documentation. NOW JUST \$15 EACH, POSTPAID.

## TIPS FROM THE TIGERCUB

These are full disks containing the programs and routines from the Tips from the Tigercub newsletters, in ready-to-run program format, plus text files of tips and instructions. TIPS (Vol. 1) contains 50 original programs and files from Tips newsletters No. 1

through No. 14. TIPS VOL. 2 contains over 60 programs and files from Nos. 15 thru 24. TIPS VOL. 3 has another 62 from Nos. 25 through 32. TIPS VOL. 4 has 48 more from issues No. 33 through 41. NOW JUST \$10 EACH, POSTPAID.

\*\*\*\*\*  
\* NOW READY \*  
\* TIPS FROM TIGERCUB \*  
\* VOL.5. Another 49 \*  
\* programs and files \*  
\* from issues No. 42 \*  
\* through 50. \$10 ppd \*  
\*\*\*\*\*

## TIGERCUB CARE DISKS

#1,#2,#3 and #4. Full disks of text files (printer required). No. 1 contains the Tips newsletters #42 thru #45, etc. Nos. 2 and 3 have articles mostly on Extended Basic programming. No. 4 contains Tips newsletters Nos. 46-52. These were prepared for user group newsletter editors but are available to anyone else for \$5 each ppd.

I believe this word game is totally different from anything you have ever seen, and very challenging if you don't use the AID key. The first time you run it, pick option 3 to create a file of phrases and give it the file name COMPUTE. This will then become the computer's file, option 1, and you can create as many of your own files as you want. Recommend phrases of several to as many as 20 words - short ones are too difficult.

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(Tips #51 continued from page 2)

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100 DIM W$(20):: DIM D$(20)
110 GOTO 150
120 Q$,K,S,Q,F$,E,FLAG,X,J,X$,Y$,A,B,M$,DY$,V,A$(),C$,CH,CH$,Y,W$(),L,M,D$(),F,Z,C,R,H
130 CALL CHAR :: CALL KEY :: CALL SOUND :: CALL CLEAR :: CALL CHARPAT :: CALL COLOR :: CALL SCREEN :: CALL VCHAR :: CALL SPRITE :: CALL LO LATE :: CALL DELSPRITE
140 !@P-
150 CALL CHAR(94,"3C429 9A1A197423C"):: DISPLAY AT(2,1)ERASE ALL:"TIGER CUB SHUTTLESEARCH V.1. 1":"":'^ 3igercub Softw are for free":"distribu tion but no price"
160 DISPLAY AT(6,1):"or copying fee to be charged":"":"if you should feel moved to":"send me a few bucks for my":"work, I won't be offended!"
170 DISPLAY AT(12,1):"Jim Peterson":"156 Colli ngwood Ave.":"Columbus, OH 43213"
180 DISPLAY AT(16,5):"Instructions? (Y/N) N" : : ACCEPT AT(16,25)SIZE(-1)VALIDATE("YN"):Q$ :: IF Q$="N" THEN 260
190 DISPLAY AT(2,1)ERASE ALL:"The computer will display a":"phrase or saying concealed":"within a grid of random":"letters."
200 DISPLAY AT(6,1):"The words will be horizontal":"one word per line and":"on consecutive lines, but":"not necessarily beginning on"
210 DISPLAY AT(10,1):"the top line, and the phrase":"may wrap around from the":"bottom row to the top."

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220 DISPLAY AT(13,1):"You can find the phrase by":"shuttling columns of letters":"up and down, looking for":"consecutive rows with letter"
230 DISPLAY AT(17,1):"combinations that could be":"parts of words.":"A cheat key is available.":"if you are really stuck, but"
240 DISPLAY AT(21,1):"try not to use it!"
250 DISPLAY AT(23,8):"PRESS ANY KEY" :: DISPLAY AT(23,8):"press any key" :: CALL KEY(O,K,S) : : IF S=0 THEN 250
260 DISPLAY AT(3,2)ERASE ALL:"Do you want to - 1":"": (1) Solve a saving from my file?" : : (2) Solve a phrase from your file?"
270 DISPLAY AT(11,2):" (3) Create a file of":"phrases?" : : (4) Have someone type in a phrase to solve?"
280 ACCEPT AT(3,19)SIZE(-1)VALIDATE(DIGIT):Q : : IF Q<1 OR Q>4 THEN 280
290 ON Q GOTO 300,310,410,470
300 F$="1.COMPUTE" :: E=1 :: GOTO 320
310 DISPLAY AT(18,1):"Filename? DSK" :: ACCEPT AT(18,14):F$ :: E=2
320 ON ERROR 370
330 IF FLAG=1 THEN 350 :: FLAG=1 :: OPEN #1:"DISK"&F$,FIXED,RELATIVE,1 INPUT :: ON ERROR STOP
340 INPUT #1,REC O:X :: CLOSE #1 :: FOR J=1 TO X :: X=X$&CHR$(J):: NEXT J :: Y=X$

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350 RANDOMIZE :: A=INT(RND*LEN(Y$)+1):: B=ASC(SEG$(Y$,A,1)):: Y$=SEG$(Y$,1,A-1)&SEG$(Y$,A+1,255):: IF LEN(Y$)=0 THEN N Y$=X$
360 OPEN #1:"DISK"&F$,FIXED,RELATIVE,INPUT :: ON ERROR STOP :: INPUT #1,REC B:M$ :: CLOSE #1 :: GOTO 490
370 FOR J=1 TO 10 :: DISPLAY AT(20,1):"" :: DISPLAY AT(20,1):"CANNOT OPEN FILE!" :: CALL SOUND(-99,110,5,-4,5):: NEXT J
380 ON ERROR 390 :: CLOSE #1
390 FLAG=0 :: INPUT "CHECK DISK AND DRIVE, PRESS ANY KEY":DY$
400 IF E=1 THEN RETURN
260 ELSE IF E=2 THEN RETURN 310 ELSE RETURN 410
410 DISPLAY AT(8,1)ERASE ALL:"Filename? DSK" : : ACCEPT AT(8,14):F$
420 E=3 :: ON ERROR 370 :: OPEN #1:"DISK"&F$,FIXED 124,RELATIVE,OUTPUT :: ON ERROR STOP :: X=0
430 DISPLAY AT(12,1):"Enter END when finished" : : "" : : "Type phrases, not more than 20 words and 124 characters"
440 X=X+1 :: ACCEPT M$ :: IF LEN(M$)>124 THEN PRINT "TOO LONG!" :: X=X-1 :: GOTO 440
450 IF M$<>"END" THEN PRINT #1,REC X:M$ :: GOT O 440
460 PRINT #1,REC O:X :: CLOSE #1 :: GOTO 260
470 CALL KEY(3,K,S):: DISPLAY AT(12,1)ERASE ALL:"Type a phrase of less than 20 words and press Enter"
480 ACCEPT M$ :: CALL CLEAR

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(continued page 4)

(Tips #51 continued from page 3)

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490 DISPLAY AT(3,2)ERAS
E ALL:"Choose skill lev
el - 1":"": (1) All wo
rds begin in":" fir
st column"
500 DISPLAY AT(8,2):"(2
) All words begin in sa
me":" column":"":
(3) Each word may appea
r in":" a different
column"
510 DISPLAY AT(14,2):"(
4) As No. 3 but AID key
is":" disabled":"
:" (5) Quit"
520 ACCEPT AT(3,23)SIZE
(-1)VALIDATE(DIGIT):V
: IF V<1 OR V>5 THEN 52
0 : IF V=5 THEN CALL C
LEAR : STOP
530 DISPLAY AT(12,6)ERA
SE ALL:"SCRAMBLING.....
."
540 A$(1)="jkzae klmpr
voaho nceci sdufy bqiaw
astrf urdsa nvjxe blbi
q trakv nobth wehey vni
jo onerq umbmi rtika op
leq nosve tarkh zeski "
550 A$(2)="!boiu m.fqt
krac, piip? tn-un osheq
kar,q idl.o tons! idri
x ?uhiq ebarf uks,k ,,j
hqe vityt kibrn taqa, .
(ry lakle ilf.! inst"
560 C$=A$(1)&A$(2)
570 FOR CH=65 TO 90 :
CALL CHARPAT(CH,CH$)::
CALL CHAR(CH+32,CH$)::
NEXT CH : CALL CHAR(42
,"82444428281010")
580 CALL CHAR(143,"1824
3C4A4A3C2418"):: CALL C
ULUR(14,16,1)
590 M$=M$&" " : Y=1
600 X=PUS(M$," ",1):: W
$(Y)=SEG$(M$,1,X):: L=L
EN(W$(Y)) : M=MAX(M,L)
: RANDOMIZE : W$(Y)=W$
(Y)&SEG$(C$,INT(230*RND
+1).20-L)
610 Y=Y+1 : IF Y=21 TH
EN 620 : M$=SEG$(M$,X+
1,255):: IF LEN(M$)>0 T
HEN 600
620 FOR J=Y TO 20 : W$
(J)=SEG$(C$,INT(230*RND
+1).20):: NEXT J
630 ON V GOTO 670,640,6
50,650
640 X=INT(RND*(20-M))+M
+1 : FOR J=1 TO Y : W
$(J)=SEG$(W$(J),X,255)&
SEG$(W$(J),1,X-1):: NEX
T J : GOTO 670
650 FOR J=1 TO Y : X=I
NT(RND*(20-M))+M+1 : W
$(J)=SEG$(W$(J),X,255)&
SEG$(W$(J),1,X-1):: NEX
T J : GOTO 670
660 ! the string
670 FOR J=1 TO 20 : FO
R L=1 TO 20 : D$(J)=D$
(J)&SEG$(W$(L),J,1):: N
EXT L : NEXT J
680 IF V=1 THEN F=M ELS
E F=20
690 FOR J=1 TO F : Z=I
NT(20*RND+1):: D$(J)=SE
G$(D$(J),Z,255)&SEG$(D$
(J),1,Z-1):: NEXT J
700 CALL CLEAR : CALL
SCREEN(5):: FOR S=1 TO
13 : CALL COLOR(S,5,16
):: NEXT S : CALL VCHA
R(1,31,1,96)
710 CALL VCHAR(4,5,143,
20):: CALL VCHAR(4,28,1
43,20)
720 FOR C=1 TO 20 : FO
R R=1 TO 20 : CALL VCH
AR(R+3,C+6,ASC(SEG$(D$(
C),R,1))): NEXT R : N
EXT C
730 DISPLAY AT(1,1):"s&
d to select, e&x to scr
oll+ctn 7 aid, fctn 8 r
estart"
740 H=1 : C=48 : CALL
SPRITE(#1,42,7,18,C)
750 CALL KEY(3,K,S):: I
F S=0 THEN 750 ELSE ON
PUS("EXSD"&CHR$(1)&CHR$
(6),CHR$(K),1)+1 GOTO 7
50,800,810,820,830,760,
840
760 IF V=4 THEN 750
770 FOR S=5 TO 8 : CAL
L COLOR(S,16,S):: NEXT
S

```

```

780 CALL KEY(3,K,S):: I
F S=-1 THEN 780
790 FOR S=5 TO 8 : CAL
L COLOR(S,16):: NEXT
S : GOTO 750
800 D$(H)=SEG$(D$(H),2,
19)&SEG$(D$(H),1,1):: F
OR R=1 TO 20 : CALL VC
HAR(R+3,H+6,ASC(SEG$(D$
(H),R,1))): NEXT R :
GOTO 750
810 D$(H)=SEG$(D$(H),20
,1)&SEG$(D$(H),1,19)::
FOR R=1 TO 20 : CALL V
CHAR(R+3,H+6,ASC(SEG$(D
$(H),R,1))): NEXT R :
GOTO 750
820 C=C-8-(C=48)*8 : H
=C/8-5 : CALL LOCATE(#
1,18,C):: GOTO 750
830 C=C+8+(C=200)*8 :
H=C/8-5 : CALL LOCATE(
#1,18,C):: GOTO 750
840 CALL CLEAR : FOR J
=1 TO 20 : D$(J)=" " :
NEXT J : M=0 : CALL
DELSprite(#1):: IF Q=1
OR Q=2 THEN 350 ELSE 47
0

```

Here are three screen display subprograms of the type you will find on my Nuts and Bolts disks. Note that subprograms can read DATA from the main program. The double colons in the DATA statement cause input of null strings of data for spacing between the lines. The M\$( ) in the subprogram parameter lists is necessary, even though the array is not passed from the main program, in order to DIMension the array in the subprogram - unless you prefer to place the DIM in the subprogram itself. T is the number of DATA items to be read.

(continued page 5)

(IN THE NEWS continued from page 6)

### ANNOUNCING THE "INTERNAL BOARD"

The "internal Board" AKA the "Zenoboard" is now in production. The PC board is being manufactured by one of the best quality manufacturers around. As promised, this board will allow you to build 32K memory, a clock circuit and add your extended basic and speech synthesizer to the interior of your console. Orders are now being accepted at a cost of \$17.50. Documentation will consist of approx. 8 pages of schematics, builder's notes, parts list, clock software and parts placement overlay.

#### Specifications:

- \* 32K STATIC RAM
- \* battery-backed clock
- \* speech synthesizer
- \* extended basic
- \* 3 additional, switched grom sockets
- \* any circuit configuration can be used
- \* requires no additional power
- \* bare board requires locally available components
- \* only 12 additional wires to the console board
- \* switches and lights may be added
- \* Minor modifications to the plastic of the console.
- \* grom reset switch
- \* compatible with all known hardware/software
- \* circuit designs have been tested
- \* Hand soldering skills are recommended.

Orders and technical questions/comments can be directed to: Eric Zeno, 414 Highland Road, Pittsburgh, PA 15235. The price of the board is only \$17.50 plus \$2.50 shipping (US) and \$1.00 documentation. The boards will be available for shipping about September 29 or sooner, so don't delay and get caught waiting for the next manufacturing run! Sorry no C.O.D., US currency only! Note: The \$17.50 price does NOT include the chips and parts for this project. It has been estimated that they should be easily available for about \$40.00.

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Many of you have probably noticed that the TI Forum section of Computer Shopper was missing in the September issue! According to Barry Traver (one of the authors of the column), the missing TI Forum section was due to a missed deadline date for the article as it seems Computer Shopper has moved up the deadline date for their articles and they missed it. The TI Forum section should re-appear next month. However, it wouldn't hurt to write to Computer Shopper and show our support for the TI Forum column!!! (from Mid-South TIDBITS of September 1989)

TI still cares! Recently we received a letter from TI asking the current status of our group for an update of their user group listings. Also in their letter they stated that they will continue to service TI equipment. For information on service call (806) 747-1882.

For information on Asgard Software products write P. O. Box 10306, Rockville, MD 20850 or call (703) 255-3085.

## THE BLOODBANK

Walter H. Blood  
2032 North 32nd St.  
Kansas City, Kansas 66104

SEPTEMBER 1989

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100 REM SCRAMBLED WORDS TRANSLATED
FOR THE TI99/4A BY WALTER H. BLOOD
110 REM FROM "THE COMPUTER TUTOR" B
Y GARY DRWING & PUBLISHED IN 1982
120 REM TL=# OF WORDS IN DATA SET
130 TL=20
140 BL=TL
150 REM FL$ AND HN$ DIM(>=TL)
160 DIM FL$(20),HN$(20),B$(20),NW(2
0),NL(4),TI(4)
170 FOR I=1 TO TL
180 READ FL$(I),HN$(I)
190 NEXT I
200 FOR I=1 TO 20
210 READ NW(I)
220 NEXT I
230 FOR I=1 TO 4
240 READ NL(I),TI(I)
250 NEXT I
260 CALL VCHAR(1,3,32,672)
270 CALL SCREEN(12)
280 CALL VCHAR(1,2,31,24)
290 FOR I=1 TO 12
300 CALL CULUR(1,16,5)
310 NEXT I
320 FOR I=1 TO 50
330 PRINT "WORD SCRAMBLE ";
340 NEXT I
350 FOR I=1 TO 1000
360 NEXT I
370 FOR I=1 TO 24
380 PRINT
390 NEXT I
400 PRINT TAB(10);"HI THERE!";:"I'
M YOUR FRIENDLY COMPUTER!"
410 PRINT :;:"WHAT IS YOUR NAME
?";:;:
420 INPUT NA$
430 CALL VCHAR(1,3,32,672)
440 PRINT : " I'M GLAD TO MEET YOU
,":;:TAB(14-LEN(NA$)/2);NA$&"!"
450 PRINT :;:TAB(8);"WE AKE GOING":
" TO PLAY A WORD GAME."
460 PRINT "I WILL THINK OF A WORD A
ND": " SCRAMBLE UP THE LETTERS."
470 PRINT :TAB(7);"I WILL SHOW YOU"
:" THE LETTERS, AND YOU": " HAVE

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TO GUESS THE WORD!"
480 PRINT : " IF YOU TYPE IN A '?'"
:" I WILL GIVE YOU A HINT."
490 PRINT : " IF YOU TYPE IN AN '*'
";"I'LL SET A LETTER IN PLACE.":;:
500 FOR I=1 TO 3000
510 NEXT I
520 CALL VCHAR(1,3,32,672)
530 PRINT : "HERE WE GO!"
540 GOSUB 840
550 C$=FL$(R)
560 L=LEN(C$)
570 LC=L
580 T$=""
590 HT=0
600 FOR I=1 TO LC
610 B$(I)="#"
620 NEXT I
630 FOR I=1 TO LC
640 D$=SEG$(C$,I,1)
650 J=INT(RND*LC)+1
660 IF B$(J)<>"#" THEN 650
670 B$(J)=D$
680 NEXT I
690 FOR I=1 TO L
700 T$=T$&B$(I)
710 NEXT I
720 IF T$=C$ THEN 580
730 CALL VCHAR(1,3,32,672)
740 PRINT "HERE IS THE SCRAMBLED WO
RD.":;:;:TAB(14-LEN(T$)/2);T$:TAB(1
4-LEN(T$)/2+LC);RPT$("*",L-LC)
750 PRINT :;:;:;:"WHAT IS THE WORD?
":;:"TYPE '?' FOR A HINT."
760 PRINT "TYPE '*' TO HAVE ME SET"
:TAB(10);"A LETTER IN PLACE.":;:
770 FOR I=1 TO 2
780 CALL SOUND(300,500,0)
790 CALL SOUND(300,300,0)
800 NEXT I
810 INPUT S$
820 GOSUB 870
830 ON HT+1 GOTO 730,1070,580
840 RANDOMIZE
850 R=INT(RND*BL)+1
860 RETURN
870 IF S$="?" THEN 1180
880 IF S$="*" THEN 1250
890 TR=TR+1
900 IF S$=C$ THEN 910 ELSE 990
910 HT=1
920 CALL SCREEN(3)
930 PRINT :;:"GOOD GUESS. ":;:NA$!
!"
940 GOSUB 1470

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(continued page 9)

(THE BLOODBANK continued from page 8)

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950 FOR I=1 TO 500
960 NEXT I
970 CALL SCREEN(12)
980 RETURN
990 CALL SCREEN(9)
1000 PRINT :;"SORRY, ";NA$;",";:;S
$
1010 GOSUB 1350
1020 PRINT :;"IS NOT THE WORD.";:;"T
RY AGAIN!"
1030 FOR I=1 TO 1000
1040 NEXT I
1050 CALL SCREEN(12)
1060 RETURN
1070 HI=0
1080 CALL VCHAR(1,3,32,672)
1090 PRINT " YOU FOUND THE WORD I
N"
1100 IF TR+HP=1 THEN 1130
1110 PRINT :TAB(10);TR+HP;"TRIES!"
1120 GOTO 1140
1130 PRINT :TAB(10);"ONE TRY!";:;TA
B(6);"CONGRATULATIONS!"
1140 SC=INT(100*(L+1-TR-HP)/L+.5)
1150 GS=GS+SC
1160 PRINT :;:;"YOU SCORE";SC;"FOR
THIS WORD."
1170 GOTO 1510
1180 PRINT :;HN$(R);:;
1190 IF HN$(R)="NO MORE HINTS!" THE
N 1220
1200 HP=HP+1
1210 HN$(R)="NO MORE HINTS!"
1220 FOR I=1 TO 1000
1230 NEXT I
1240 RETURN
1250 IF LC<4 THEN 1310
1260 B$(LC)=SEG$(C$,LC,1)
1270 LC=LC-1
1280 HT=2
1290 HP=HP+1
1300 RETURN
1310 PRINT :;"I'VE SET ENOUGH LETT
ERS IN PLACE. NOW IT'S UP TO YOU!"
:;:;
1320 FOR I=1 TO 1000
1330 NEXT I
1340 RETURN
1350 FOR J=1 TO 2
1360 FOR I=1 TO 4
1370 IF I>3 THEN 1400
1380 CALL SOUND(250,NL(I),0)
1390 GOTO 1440
1400 CALL SOUND(TI(I)/4,NL(I),0)
1410 CALL SOUND(TI(I)/4,NL(I),5)
1420 CALL SOUND(TI(I)/4,NL(I),10)
1430 CALL SOUND(TI(I)/4,NL(I),15)
1440 NEXT I
1450 NEXT J
1460 RETURN
1470 FOR I=1 TO 20
1480 CALL SOUND(125,NW(I),0)
1490 NEXT I
1500 RETURN
1510 PRINT :;:;"WOULD YOU LIKE ANO
THER WORD?";:;"Y>es or";"N>o";:;
1520 CALL KEY(3,K,S)
1530 IF S=0 THEN 1520
1540 S$=CHR$(K)
1550 IF S$="Y" THEN 1650
1560 CALL VCHAR(1,3,32,672)
1570 BL=BL-1
1580 GS=INT(GS/(TL-BL)+.5)
1590 PRINT "YOUR OVERALL GRAND SCOR
E IS";:;:;TAB(13);GS;:;:;"BYE FOR N
OW!"
1600 CALL SOUND(500,220,0,294,0,349
,0)
1610 CALL SOUND(500,196,0,330,0,698
,0)
1620 CALL SOUND(500,220,0,294,0,349
,0)
1630 CALL SOUND(900,247,0,587,0,784
,0)
1640 END
1650 S$=""
1660 CALL VCHAR(1,3,32,672)
1670 TR=0
1680 HT=0
1690 HP=0
1700 FL$(R)=FL$(BL)
1710 HN$(R)=HN$(BL)
1720 BL=BL-1
1730 IF BL<>0 THEN 540
1740 CALL VCHAR(1,3,32,672)
1750 PRINT "SORRY, BUT YOU HAVE": "U
SED ALL MY WORDS!"
1760 GOTO 1590
1770 DATA CHAIR,SIT,BREAKFAST,MORNI
NG,PICTURE,WALL,MONEY,PAY,GRASS,GRE
EN,DRIVEWAY,CEMENT,LIBRARY,BOOKS
1780 DATA RASPBERRY,FRUIT,PILLOW,SL
EEP,CLOTHES,WEAR,BICYCLE,RIDE,DESSE
RT,CAKE,TELEPHONE,TALK,PIANO,MUSIC
1790 DATA PENCIL,WRITE,SLEIGH,SNOW,
OCEAN,WATER,AIRPLANE,FLY,EXERCISE,J
OG,GIRAFFE,ANIMAL
1800 DATA 262,294,330,349,277,311,3
49,370,294,330,370,392,330,370,415,
440,349,392,440,466,196,200
1810 DATA 196,200,196,200,147,100

```

KANSAS CITY TI99/4A COMPUTER USERS' GROUP  
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FIRST CLASS MAIL



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COMING EVENTS  
 -----

General meeting - - - - Oct. 8  
 ~~~~~  
 Arthur Mag Center behind MRI  
 2pm Rockhill Road & Volker Blvd.  
 Kansas City, Missouri

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KC 99er SWAP-N-SHOP -- October 22  
 ~~~~~  
 2pm same location as the  
 | general meeting  
 5pm admission \$2.00 per person

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