

99ER OUTPUT



VOL. 6
NO. 3

BRAZOS VALLEY 99ERS
P.O. BOX 7053
WACO, TX 76714-7053

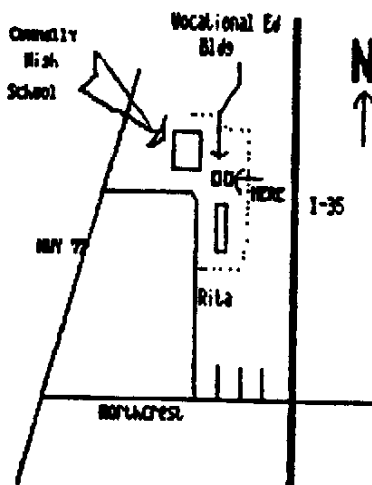
MAY
1989

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 newsletter chairperson
 Dr. Jeff Hull - Program Chairman
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 Norman & Lelah Beyer -
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 Frank Cross - Flunky

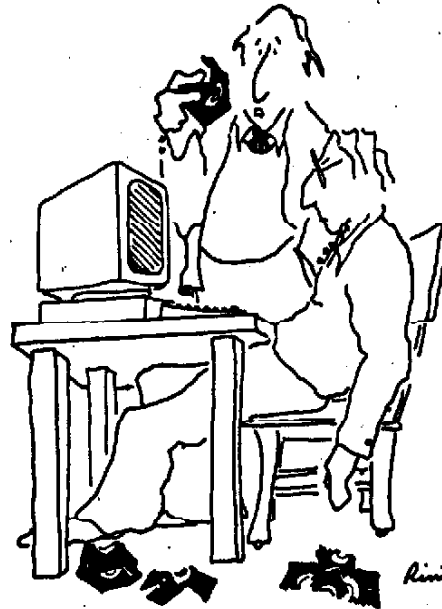
 Group News!

There has been a recent addition to the main PEB in the Vocational room at Connally High School. Amy Bates has acquired and installed a Tandon double-sided disk drive which gives the ability to the operator, to use double sided disks. Instead of 360 sectors, now there are 720 sectors available. One of the nice things is to be able to have Ti-Writer program and files all on the same disk. Files don't have to be broken up any more. If you have double sided disk drives at home and want to do the program with your disks, you don't have to reduce them to single-sided anymore!

 This month's mystery!
 Someone has borrowed the cartridge, "Spy's Demise" from the school's software library. If you borrowed it, please return it at the next meeting. Thanks.



 MINUTES OF LAST MEETING
 Frank Cross called the meeting to order and conducted the short business meeting. The treasury report was \$232.43 with a check for \$81 made to Norman and Lelah Beyer for stamps. The purchase of stamps from Safeway saved the group \$9.00. A hearty "thank you" goes to the buyers' for getting the stamps. Harold McNabb gave his demonstration on "Ti-Planner" following the meeting.



LIBRARY ADDITIONS!
 THESE ARE 8 DISKS RECENTLY ADDED TO THE BRAZOS VALLEY 99ERS' LIBRARY. THEY ARE VARIOUS PROGRAMS OF FREEMARE, FAIRWARE, AND SHAREWARE FROM GENIE. HERE IS A "SUPER DISK UTILITY CATALOGER" LISTING OF THE CONTENTS OF THOSE DISKS. COME TO THE NEXT MEETING GET A COPY OF WHAT EVER INTERESTS YOU.

73 FILES ON 8 DISKS

FILENAME	DISKNAME	TYPE	SIZE	P
224	GENIE/0/A	D/F 80	20	
346-2	GENIE/1/A	D/V 80	7	
374	GENIE/0/A	PGM	34	
428	GENIE/0/A	D/V 80	32	
ARCHIVER	GENIE/1/A	PGM	32	
BLITZ1	GENIE/0/A	PGM	33	P
BLITZ1	GENIE/1/A	PGM	33	P
BLITZ2	GENIE/0/A	PGM	29	P
BLITZ2	GENIE/1/A	PGM	29	P
BUTCH R	GENIE/0/A	D/V 80	18	P
CALC	GENIE/1/A	D/V143	8	
CAT	GENIE/1/A	PGM	5	
CATALOGER	GENIE/1/A	PGM	27	
CATAPROG	GENIE/4/A	PGM	34	
CATCHY	GENIE/0/A	PGM	34	
CATLIB	GENIE/3/B	D/F 80	110	P
CATLIB/DDC	GENIE/3/B	D/V 80	42	
CATLUB	GENIE/0/A	PGM	33	P
CATLUS/CAT	GENIE/0/A	D/V 80	4	
CATLUS/DDC	GENIE/0/A	D/V 80	72	
CATLUH	GENIE/0/A	PGM	22	P
CATLUH	GENIE/0/A	PGM	26	P
CCS12	GENIE/4/A	D/V 80	32	P
CHESS/INS	GENIE/0/B	1/V254	53	P
CHESS/INS	GENIE/1/A	1/V254	53	P
CNBL/CHES6	GENIE/1/A	1/V254	54	P
CNBL/CHES6	GENIE/0/B	1/V254	54	P
CDLOR	GENIE/1/A	PGM	8	
CONVRT99	GENIE/1/A	PGM	5	
COFY	GENIE/0/B	D/F 80	20	
COFYCC	GENIE/3/B	D/F 80	19	
DAMEN	GENIE/1/A	1/V254	52	
DAMEN	GENIE/0/B	1/V254	52	
DAMENDDCS	GENIE/1/A	D/V 80	8	
DAMENDDCS	GENIE/0/B	D/V 80	8	
DIRECTOR	GENIE/2/A	D/F128	332	P
DR10003/5	GENIE/4/A	D/V 80	21	
DOC	GENIE/4/A	D/V 80	49	
DOMIND	GENIE/1/R	PGM	43	
DOMIND	GENIE/4/A	PGM	43	
FISH	GENIE/1/R	D/V 80	29	
FISHFAC	GENIE/1/B	D/V 80	29	
FLAG	GENIE/3/A	PGM	25	
FROGGER	GENIE/4/A	1/V254	51	
FT/DIALER	GENIE/1/R	PGM	13	
FTP	GENIE/4/A	D/V 80	30	
GENIICUNI	GENIE/4/A	PGM	17	P
GI-1	GENIE/0/B	PGM	34	
GI-2	GENIE/0/B	D/V 80	10	
JACIET	GENIE/3/B	PGM	32	
JACIEU	GENIE/3/B	PGM	9	
KEYDDCS	GENIE/0/B	D/V 80	21	P
KEYLDD	GENIE/0/B	PGM	20	P
KEYSOURCE	GENIE/0/B	D/V 80	77	P
KEYSOURCE	GENIE/1/B	D/F128	22	
LABELS	GENIE/4/A	PGM	17	
L1B1	GENIE/1/B	D/V 80	10	
L1B2	GENIE/1/B	D/V 80	34	
L1B3	GENIE/1/B	D/V 80	33	
L1B4	GENIE/1/B	D/V 80	34	
L1B5	GENIE/1/B	D/V 80	14	
L1B6A	GENIE/1/B	D/V 80	7	
LOAD	GENIE/4/A	PGM	27	P
MEMTEST1	GENIE/1/B	PGM	10	
MEMTEST2	GENIE/1/B	PGM	7	
MCHIPS	GENIE/4/A	D/V 80	12	
MUSHROOMS	GENIE/1/B	PGM	21	
SUPCART	GENIE/4/B	D/F128	347	
SUPERSAVE	GENIE/3/B	D/F 80	27	
TIBBS	GENIE/1/B	D/V 80	32	
TIKEYS	GENIE/3/B	D/F128	117	P
TINY-4*	GENIE/1/R	PGM	9	
UNFACK	GENIE/1/R	PGM	25	

 NEXT MEETING!
 THE BRAZOS VALLEY 99ERS' WILL MEET AT CONNALLY HIGH SCHOOL VOCATIONAL ED. BUILDING ON MAY 23, 1989. MEETING TIME IS 7:30 P.M. Amy Bates, President, will conduct the meeting and give the program on computer graphics.

TIPS FROM THE TIGERCUB

#42

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I'm very sorry about the error in the BXB routine in Tips #40. The "program to write a program" generated line number 32000 instead of 30002. Here is the correct line -

```
110 OPEN #1:"DRK1.RYBDATA",V
    ARIBLE 163,OUTPUT :: PRINT
    #1:CHR$(117)&CHR$(50)&"]\["
    $"&CHR$(190)&CHR$(199)&CHR$(
    136)&M$&CHR$(0)
```

The Hyphenated Fill and Adjust in Tips #41 will crash if the file contains a line with one character too many, which may be only an unnecessary control character. This fix will help -

```
300 IF LEN(M$)<=L THEN 310 :
    : CALL BOUND(200,110,0,-4,0)
    : PRINT M$;" 1";LEN(M$);"c
    haracters long";"Truncated t
    o ";SEG$(M$,1,L);"OK? (Y/N)"
    305 CALL KEY(3,K,S):: IF S=0
    THEN 305 ELSE IF K>89 THEN
    STOP ELSE M$=SEG$(M$,1,L)
    310 PRINT #2:M$ :: IF EOF(1)
    <>1 THEN 220 ELSE CLOSE #1 :
    : CLOSE #2
```

I know that this line is wrong, but key it in just as it's printed, and see what kind of error message you get -

```
100 !DISPLAY AT(3,1):"Progra
m must be SAVED in:"MERGE fo
rmat."
```

A friend asked me for a program to help him solve the Scram-Lets puzzles in our local newspaper, so I rewrote the Anagrammer that was published way back in Tips #12. It will print out all possible combinations of any 3- to 6-letter word, or only those which have one or two letters in specified positions.

```
100 CALL CLEAR :: DISPLAY AT
(3,5)ERASE ALL:"SCRAM-LETS S
OLVER" :: ! by Jim Peterson
110 DISPLAY AT(8,1):"OUTPUT
TO? 1?" (1) SCREEN;" (2)
PRINTER" :: ACCEPT AT(8,12)
VALIDATE("12")SIZE(-1):P ::
P=P-1
120 IF P=1 THEN DISPLAY AT(1
2,1):"PRINTER? P10" :: ACCEP
T AT(12,10)SIZE(-18):P$ :: O
PEN #1:P$
130 PL(1),PL(2)=0 :: L$(1),L
$(2)=" :: DISPLAY AT(5,1)ER
ASE ALL:"TYPE A 3-,4-,5- DR
6-LETTER WORD " :: ACCEPT A
T(6,6):A$ :: W=LEN(A$):: IF
(W(3)+(W)6)THEN 130
140 DISPLAY AT(14,1):"SEARCH
FOR COMBINATION WITH:"LETT
ER IN KNOWN POSITION? " ::
ACCEPT AT(15,27)VALIDATE("YN
")SIZE(-1):Q$ :: IF Q$="N" T
HEN 180
150 DISPLAY AT(17,1):"LETTER
?" :: ACCEPT AT(17,9):L$(1):
: DISPLAY AT(19,1):"POSITION
?" :: ACCEPT AT(19,11):PL(1)
160 DISPLAY AT(21,1):"ANOTHE
R LETTER/POSITION? N" :: ACC
EPT AT(21,26)VALIDATE("YN")S
IZE(-1):X$ :: IF X$="N" THEN
180
170 DISPLAY AT(21,1):"LETTER
?" :: ACCEPT AT(21,9):L$(2):
: DISPLAY AT(23,1):"POSITION
?" :: ACCEPT AT(23,11):PL(2)
180 PRINT #P :: FOR J=1 TO W
:: B$(J)=SEG$(A$,J,1) :: NEX
T J :: FOR J=2 TO W :: IF B$(
J)>B$(J-1)THEN 220
190 T$=B$(J) :: FOR L=J-1 TO
1 STEP -1 :: B$(L+1)=B$(L)
200 IF B$(L-1)>=T$ THEN 210
:: B$(L)=T$ :: GOTO 220
210 NEXT L
220 NEXT J
230 FOR A=1 TO W :: FOR B=1
TO W :: IF B=A THEN 440
240 FOR C=1 TO W :: IF (C=A)
+(C=B)THEN 430
250 IF W=3 THEN 310
260 FOR D=1 TO W :: IF (D=A)
+(D=B)+(D=C)THEN 420
270 IF W=4 THEN 320
280 FOR E=1 TO W :: IF (E=A)
+(E=B)+(E=C)+(E=D)THEN 410
290 IF W=5 THEN 330
300 FOR F=1 TO W :: IF (F=A)
+(F=B)+(F=C)+(F=D)+(F=E)THEN
400 ELSE 340
310 W$=B$(A)&B$(B)&B$(C) :: I
F W$<=V$ THEN 430 ELSE 350
320 W$=B$(A)&B$(B)&B$(C)&B$(
D) :: IF W$<=V$ THEN 420 ELSE
350
330 W$=B$(A)&B$(B)&B$(C)&B$(
D)&B$(E) :: IF W$<=V$ THEN 41
0 ELSE 350
340 W$=B$(A)&B$(B)&B$(C)&B$(
D)&B$(E)&B$(F) :: IF W$<=V$ T
HEN 410
350 IF Q$="N" THEN 380
360 IF SEG$(W$,PL(1),1)<>L$(
1)THEN 390
370 IF X$="N" THEN 380 ELSE
IF SEG$(W$,PL(2),1)<>L$(2)TH
EN 380
380 PRINT #P:W$;" " :: B=B+1
390 V$=W$ :: ON W-2 GOTO 430
,420,410,400
400 NEXT F
410 NEXT E
```

```

420 NEXT D
430 NEXT C
440 NEXT B
450 NEXT A
460 PRINT #P; " " ; B; "TOTAL
COMBINATIONS." ; " : B=0 :
V$="" : PRINT "PRESS ANY K
EY"
470 CALL KEY(0,K,B) : IF S=0
THEN 470 ELSE 130

```

And here is a much-improved XBasic version of the Adder-Upper which first appeared in Tips #13. I find it very useful in adding up several categories of figures in one pass.

```

100 CALL CLEAR : CALL SCREE
N(16) : FOR SET=1 TO 14 : C
ALL COLOR(SET,5,1) : NEXT SE
T
110 DISPLAY AT(3,4)ERASE ALL
:"TIGERCUB ADDER-UPPER" : "T
o add up several categories"
:"at one time." : "Input cat
egories - END when" : "finishe
d"
120 CALL KEY(3,K,S) : DIM C$(
22),T(22)
130 X=X+1 : DISPLAY AT(12,1
): "Category #";STR$(X) : ACC
EPT AT(12,13) : C$(X) : IF C$(
X)="END" THEN X=X-1 : GOTO
170
140 A$=SEG$(C$(X),1,1) : IF
POS(F$,A$,1)=0 THEN F$=F$&A$
: IF X<17 THEN 130 ELSE 17
0
150 DISPLAY AT(15,1) : "Code 1
etter ";A$; " already" : "used.
" : "Pick another code letter"
: ACCEPT AT(17,26)STR$(1) :
A$
160 IF POS(F$,A$,1)<>0 THEN
DISPLAY AT(15,1) : " " : " " : "
GOTO 150 ELSE F$=F$&A$ : C$(
X)=A$&C$(X) : DISPLAY AT(15
,1) : " " : " " : " " : IF X<17 THEN 1
30 ELSE 170
170 CALL CLEAR : R=2+(X>8) :
FOR J=1 TO X : DISPLAY AT
(R,1) : " " ; SEG$(C$(J),1,1) : "
" ; SEG$(C$(J),2,255) : R=R+2+
(X>8) : NEXT J
180 DISPLAY AT(R+2,1) : "Categ
ory " ; F$ : DISPLAY AT(R+4,1
) : "Amount"
190 DISPLAY AT(24,1) : "Use mi
nus value to subtract"
200 ACCEPT AT(R+2,11+LEN(F$)
)SIZE(1)VALIDATE(F$) : Z$ : Y
=POS(F$,Z$,1)
210 ACCEPT AT(R+4,8)VALIDATE
(NUMERIC) : A : T(V)=T(V)+A :
: DISPLAY AT(Y*(2+(X>8)),20)
: T(Y) : GOTO 200

```

Can you figure this one out? (I can't!) -

```

100 DISPLAY AT(3,4)ERASE ALL
:"ILLOGICAL COMPUTER!!" : "
by Tigercub"
110 DISPLAY AT(7,1) : "100 IF
A=2 THEN IF B=2 THEN C=4 ELB
E IF A=2 THEN IF B=3 THEN C=
6 ELSE IF A=3 THEN IF B=3 TH
EN C=9 ELSE IF A=3 THEN IF B
=4 THEN C=12 ELSE C=9"

```

```

120 DISPLAY AT(14,1) : "Why ca
n't you get C to " : "equal 9
or 12 or 99?"
130 DISPLAY AT(18,1) : "A? " :
: ACCEPT AT(18,4) : A : DISPL
AY AT(20,1) : "B? " : ACCEPT
AT(20,4) : B
140 IF A=2 THEN IF B=2 THEN
C=4 ELSE IF A=2 THEN IF B=3
THEN C=6 ELSE IF A=3 THEN IF
B=3 THEN C=9 ELSE IF A=3 TH
EN IF B=4 THEN C=12 ELSE C=9
9
150 DISPLAY AT(22,1) : "C=" : C
: GOTO 130

```

This might come in handy to dress up a program -

```

100 CALL CLEAR : CALL COLOR
(2,5,16) : CALL HCHAR(1,1,42
,768)
110 X=X+1 : DISPLAY AT(X,9)
: "*****" : DISPLAY
AT(X+1,9) : "PRESS ANY KEY" :
: DISPLAY AT(X+2,10) : "TO CONT
INUE" :
120 CALL KEY(0,K,S) : ON S+1
GOTO 110,130
130 !continue program here

```

Or, if you'd rather do it backwards -

```

100 CALL CLEAR : CALL COLOR
(2,5,16) : CALL HCHAR(1,1,42
,768)
110 FOR X=10000 TO 1 STEP -1
: DISPLAY AT(X+2,9) : "****
*****" : DISPLAY AT(X+1,
9) : "TO CONTINUE" : DISPLA
Y AT(X,9) : "PRESS ANY KEY" :
120 CALL KEY(0,K,S) : ON S+1
GOTO 130,140
130 NEXT X
140 !continue program here

```

You might find this one useful -

```

100 ! PAINT CALCULATOR by Ji
m Peterson
110 CALL CLEAR : FOR SET=1
TO 12 : CALL COLOR(SET,2,8)
: NEXT SET : CALL SCREEN(5
) : CALL KEY(3,K,B) : ON WAR
NING NEXT
120 DISPLAY AT(3,7)ERASE ALL
:"PAINT CALCULATOR" : "To de
termine the amount of" : "pain
t needed for a room."
130 DISPLAY AT(8,1) : "Is the
room a regular square or rec
tangle? Y" : ACCEPT AT(9,16
)SIZE(-1)VALIDATE("YN")BEEP:
Q$ : IF Q$="Y" THEN 160
140 DISPLAY AT(11,1) : "How ma
ny rectangular areas" : "does
the room contain?" : CALL A
CCEPT(12,24,A) : IF A=1 TH
EN 160

```

```

150 FOR B=1 TO A : DISPLAY
AT(3,10)ERASE ALL : "AREA #";B
: GOTO 170
160 CALL CLEAR
170 DISPLAY AT(5,1) : "How hig
h is the ceiling?" : "
ft.
in." : CALL ACCEPTER(6,2
,HF)
180 CALL ACCEPTER(6,9,HI) :
HI=HI/12 : H=HF+HI

```

```

190 DISPLAY AT(8,1) : "How man
y walls?" : CALL ACCEPTER(8
,17,W) : CALL HCHAR(5,1,32,6
40)
200 FOR J=1 TO W : DISPLAY
AT(5,10) : "WALL #";J : "Width
ft in" : CALL ACCEPT
ER(7,7,WF)
210 CALL ACCEPTER(7,13,WI) :
WI=WI/12 : MW=WF+WI : SQ=
SQ+H*W
220 DISPLAY AT(11,1) : "How ma
ny doors, windows or" : "other
areas not to be" : "painted i
n wall #";J : "?"
230 CALL ACCEPTER(13,19,D) :
IF D=0 THEN 280
240 FOR L=1 TO D : DISPLAY
AT(15,1) : "AREA NOT TO PAINT
#";L : "Width ft in" :
CALL ACCEPTER(17,10,WDF)
250 CALL ACCEPTER(17,16,WDI)
: WDI=WDI/12 : WD=WDF+WDI
260 DISPLAY AT(19,1) : "Height
ft in" : CALL ACCEPTER(
19,11,HDF)
270 CALL ACCEPTER(19,17,HDI)
: HDI=HDI/12 : HD=HDF+HDI
: SQ=SQ+WD*HD : NEXT L
280 NEXT J : DISPLAY AT(21,
1) : "Paint the ceiling?" : A
CCEPT AT(21,20)SIZE(1)VALIDA
TE("YN") : QQ$ : IF QQ$="N" T
HEN 320
290 CALL HCHAR(5,1,32,640) :
DISPLAY AT(5,1) : "Ceiling di
mensions" : "
ft in by
ft in" : CALL ACCEPT
ER(7,2,CWF)
300 CALL ACCEPTER(7,8,CWI) :
CWI=CWI/12 : CW=CWF+CWI
310 CALL ACCEPTER(7,17,CLF) :
: CALL ACCEPTER(7,23,CLI) :
CLI=CLI/12 : CL=CLF+CLI :
SQ=SQ+CW*CL
320 CALL HCHAR(5,1,32,640) :
IF Q$="Y" THEN 340
330 NEXT B
340 DISPLAY AT(3,1)ERASE ALL
:"Total of";INT(SQ+.5) : "squa
re feet."
350 DISPLAY AT(5,1) : "How man
y square feet will" : "one gal
lon of your paint" : "cover?"
360 ACCEPT AT(7,8)SIZE(3)VAL
IDATE(DIGIT)BEEP : SF : DISPL
AY AT(9,1) : "How many coats?"
: CALL ACCEPTER(9,17,C) :
G=SQ/SF+C : @=INT(B+.5)
370 DISPLAY AT(15,1) : "You wi
ll need";@ : "gallons or" : "10*4;
"quarts of paint."
380 CALL KEY(0,K,B) : IF B=0
THEN 380 ELSE STOP
390 SUB ACCEPTER(R,C,D) : AC
CEPT AT(R,C)SIZE(2)VALIDATE(
DIGIT)BEEP : Q : SUBEND

```

Memory full! - Jim P.



1989