November Meeting:
     We will be doing something different for our November meeting. ALL members
and THEIR FAMILIES are invited to a potluck dinner. Each family is asked to
bring two items: a main dish and salad or a vegtable type dish and desert (I'm
sure no one would complain if someone wanted to bring rolls or French bread
also). Please bring your own place settings and what ever you want to drink.
We will plan on starting to eat at 6:30, so you should be there a few minutes
earlier so we can have the food set out by 6:15.
     Following the pot luck (probably around 7:00) we will ask Billy and John
to demonstrate their sketch pads (we'll have two computers set up) and then
make sure all of you have a chance to try them. Also there will be time to
preview some of the programs in our new library.

                    Monday, November 27,1984
                          6:30 Potluck
                    Special Education Center
                    1255 Beulah St., Hanford

October Minutes:
     Thanks to Jeani, we were all given a short lesson on binary programming.
Following this introduction, we had a chance to "get our feet wet" and actually
write a complete adventure, using file cards and a binary structure. I still
don't know how to get the cat out of the haunted house or even if it was really
safe to go in after it. We'll all know after Jeani gets the program typed in.

Tex Barberite:
     Remember Tex? Tex was one of our most active members. We just received a
card from her (for those of you who don't know, she joined the Peace Corps and
went to Central America). Her address is Tex Barberite,PCV, P.O. Box 487,
Belize City, Belize, C.A. Even though she couldn't take her computer with her,
I'm sure she would like to hear from some of our members (The post office said
to put 35 cents postage for Belize).

Newsletters:
     We have recently added several new users groups to the list of clubs we
exchange newsletters with-including one from Canada. Take the time at the
meetings to read these excellent newsletters. This newsletter exchange really
gives us a lot of information, and it's amazing to read that most of the users
groups have simular problems (too few doing the work, not enough interest, low
attendance at meetings, etc., etc.). But, most important is all the great
programming ideas and useful tips!

Tigercub Hints:
     In addition to Jim Peterson's fantastic programming hints he sends us each
month (see the great short "ABC" music routine for preschoolers and the 28
column text routine, plus other hints in this newsletter). This month he sent
us a copy of his catalog #5. This will be placed in the binder with with all
the tips we have received from him so far. Feel free to copy the order blank if
you want to order any of his programs. P.S. , according to his newsletter, you
can receive a 10% discount on any order placed prior to Jan. 1,1985 if you
mention you are a member of our users group.

Library Status:
    In case you aren't aware, we now have approximently 800 programs in our
library. These are avalilable FREE to members of our library co-op. When you
join the library co-op for $20.00 you can have copies of any of the programs in
the library FREE for one year. We are using these funds to purchase our own
computer and disk drive set up. Just a couple of points of information: We
borrowed the funds to purchase our set up, so we need to promote our library
memberships in order to make our monthly payments. Even more important, if you
are a library member and want copies of programs, bring blank cassettes or
INITIALIZED disks to the meetings, we will either make copies at the meeting or
during the month and have them ready for you by the next meeting. We should all
extend our thanks to Ray Graf for loaning the users group these funds, without
his generosity we wouldn't have a library. Now that we finally have a library,
let's use it!

Phone calls:
    Last month we apparently didn't increase our attendance at the meeting
(except by two people) by the phone calls, however, from things people said
several people were reminded of the meeting and some new computer friends were
made. The general feeling was that we should try it again. Give these people a
call and invite them to the potluck. Some are former members, some are
prospects and some may be current members (you can also call the people from
last months list).

                        1.

                        2.

Gemini Printer Owners:
    Thanks to 99er Online for this bit of information. There is now a Gemini
suppliment, written especially for the TI; this also includes demo programs and
pin information. To receive your copy write to: Star Micronics, No. 3 Oldfield,
Irvine Ca. 92714.

Word Processing Made Easy:
    For those of you who do not have a copy of TI Writer and yet would like to
try your hand at using your computer as a word processor there are several
choices available to you. First of all you could purchase a TI Writer or
simular program. But, if you don't want to put out that much money (or just
want to try something different) there are several inexpensive programs
available such as Tex Scribe that appeared in last years Home Computer (back
when it was called 99er) Magazine, all you have to do is type in the program
(several of us have the back issues). Also thanks to a couple of articles in
other users group newsletters, you can use your Mini Memory Module (see the
article on page three of the Chattanooga Users Group Newsletter) or you can use
your Editor Assembler (see page six of the October issue of LEIGH Users Group
Newsletter).

Needed:
    Because of the size of our library, we really need a 50 disk flip file to
hold our disks. If someone has a spare file they would like to donate to the
library it would greatly be appreciated. Also donations of programs would be ·
gladly accepted.

Raffle:
    Lets not forget to bring items for our monthly raffle. Each member is
asked to bring a MINIMUM of one article to donate. These can be programs you
wrote or typed in, modules you no longer need, etc. Just remember to bring your
donations, let's support our users group!

THE LAST OF THE MODULES!

Last April T.I. cleared their warehouses of all T.I. 99/4a home computer hardware and software. They have kept only enough parts for servicing warrenties. Thousands of modules and expansion boxes were shipped to wholesale distributors. Keystone, a major distributor, has maintained these modules in a warehouse until reciently when T.I. drasticly reduced the prices for quick sale. These are the last of T.I.'s modules. There are no more!! They have been selling out fast and each day some items are removed from the list. Call me tonight and order for your Christmas list...The price is right!!!

Remember there are lots of other companies producing hardware and software for your computer (though not at the T.I. sell out prices). I have several distributers and can get what you need. How about an Axiom direct connect printer, letter size, no RS232 needed. Only $275.00. Put a SuperSketch pad under the tree for only $50.00. Or an INFOCOM adventure, I know a lot of people who would like to find one in their Christmas stocking.

M.B.X.

If you attended our September meeting you saw the awsom Melton Bradley Voice Expansion unit made to sell for over $300.00. T.I. didn't get it out before their home computer division went under so there were only a few produced. The good news is they are currently available at closeout prices. Would you believe only $150.00? This includes the Action Input Key Pad, Joy stick and Headset Microphone, plus TWO modules. For anyone who missed our September meeting and the demo. let me tell you this is a great piece of equiptment. Not only does the computer talk to you, but you talk to it. T.I.,who invented synthisized speach, has also brought you voice recognition and ours is the only home computer with this capability. The module selection includes action games for older kids and adults and learning games for the very young. I personally feel it is a fantastic educational tool for your youngster and great fun for the oldsters!

CHRISTMAS SPECIAL

M.B.X. SYSTEM, complete with FIVE modules for only $150.00. Orders must be placed before Nov. 30th.

STOCKING STUFFERS
Dust covers $9.95 Joy Sticks $24.95
Multiplan $75.00 (used)
T.I.Printer $100.00 (USED)

CALL JEANI 582-1385

CLOSEOUT SALE!

GROUP 1 $7.50

3002 EARLY LEAN
3003 BEG GRAM
3004 NUM MAGIC
3006 H. FIN.DEC
3007 H. BUD. MANG
3229 HOPPER
3131 MOONMINE
3110 CHISOLM TR
3114 SNEGGIT
3016 TAX INVEST
3018 VIDIO GAME
3022 PERS. REAL
3023 WUMPUS
3052 TOMBSTONE
3025 MIND CHALG
3101 MEAS.FORMS
3100 EQUATIONS
3099 LAWS/ARITH
3030 AMAZEING
3031 ATTACK
3032 BLASTO
3098 NUMERATION
3053 INVADERS
3054 CAR WARS
3020 CON. FOUR
3056 ALPINER
3057 MUNCHMAN
3194 JAWBREAKER

GROUP 2 $11.00

3042 TUN/DOOM
3041 ADVENTURE
3036 ZERO ZAP
3034 HUSTLE
3024 SOCCER
3118 MINUS MISS
3117 DRAGON MIX
3115 ALIEN ADD
3114 ALIGTR MIX
3119 METIOR MUL
3112 PARSEC

GROUP 3 $15.00

3046 READ ON
3060 SCH SPELL4
3061 SCH SPELL5
3062 SCH SPELL6
3067 OTHELLO
3082 READ PILOT
3083 MATH GAMES
3091 SUBTRACTIN
3092 MULTIPLICA
3094 INTIGERS
3043 READ FUN
3033 BLACKJACK
3028 ADD&SUB 2
3027 ADD&SUB 1
3015 EARLY READ
3013 PER. REC. KP
3059 SCH SPELL3
3047 READ ROUND
3049 DIVISION 1
3051 NUMERATIO2
3010 PHY. FITNES
3009 FOOTBALL
3233 BURGERTIME
3177 FACEMAKER
3146 MUNCHMOBIE
3227 CONGOBONGO
3226 BUCKROGERS
3225 STARTREK
3224 MOONSWEEPR
3222 FATHOM
3220 MICROSURGN
3219 DEMON ATK.
3197 SLYMOIDS
3189 PET/PIRATE
3168 TRES. ISL.

MBX $15.00

3156 HONEY HUNT
3155 I'M HIDING
3154 TINYTURTLE
3153 SUPERFLY
3152 METIORBELT
3151 BIGFOOT
3150 SEWERMANIA
3157 S. T. TROLLY
3148 BASEBALL
3149 SPACE BANDIT

TIPS FROM THE TIGERCUB

#16

Copyright 1984

TIGERCUB SOFTWARE
156 Collingwood Ave.,
Columbus OH 43213

Distributed by Tigercub Software to TI-99/4A Users Groups for promotional purposes and in exchange for their newsletters. May be reprinted by non-profit Users' Groups, with credit to Tigercub Software.

. These Tips are being mailed, together with my new catalog #5, to every Users Group that I know of. I hope that you will make both the Tips and the catalog available to your membership. I am sorry that I cannot take out paid ads in your newsletters, but to advertise in each one of them would cost me more than I have made in the past 6 months, and I would not get enough business to break even.

If you would like to continue receiving these Tips, put me on the mailing list for your newsletter, and give me some indication that my Tips are really reaching your members and not going into someone's private file. If I receive enough business from this mailing to pay for its cost, I will then continue to send you my Tips. If not, this will be the last issue of the Tips from the Tigercub.

Copies of my catalog are available for $1.00, which is deductable from your first order. I have over 130 absolutely original quality programs in Basic, many of them now also available in XBasic, on casette or disk for only $3.00 each plus $1.50 per order for casette, package and postage, or $3.00 for diskette, package and postage (higher overseas). I give one-day service, I give bonuses for repeat orders, I give bonus programs on diskette orders.

In addition, any User's Group member who mentions his/her users'group when sending me an order before 1 Jan. 1985 may deduct 10% from the cost of the programs.

Tips from the Tigercub #1 thru #14 are now available, with more added, as a diskfull of 50 programs, routines and files for only $15 postpaid.

I have also now completed my NUTS & BOLTS disk of 100 XBasic utility subprograms in MERGE format, ready to merge into your own programs, for just $19.95 postpaid.

In The last Tips, I mentioned that I wished I knew who to credit for that remarkable routine to redefine the cursor. Dave Peden has written me that credit should be given to Terry L. Atkinson of 28 Savona Ct., Dartmouth, NS B2W 4R1 CANADA.

And I would like to strongly recommend that you support the 99'ers Users Group Association, 3535 So. H st., #93, Bakersfield CA 93304. They are a strictly non-profit group, devoting a lot of time and effort to helping us all, and they publish a great newsletter..

Every Tips must include a bit of music, and my grandson has requested that I pass this one on to all other two-year olds.

```
100 !ALPHABET SONG - by Jim
Peterson
110 DIM N(21)
120 CALL MAJORSCALE("C",N())
130 CALL SCREEN(5):: DISPLAY
AT(24,1)ERASE ALL:"READY -
TYPE THE ALPHABET" :: CALL M
AGNIFY(2)
140 CALL KEY(3,K,ST):: IF (S
T<1)+(K<65)+(K>90)THEN 140 :
: CALL SPRITE(#1,K,16,96,120
):: IF K=87 THEN GOSUB 220 E
LSE GOSUB 200
150 IF (K=90)*(FLAG=0)THEN 1
60 ELSE 140
160 FLAG=1 :: M$="C115566D5C
443322D1" :: T=150
165 FOR J=1 TO 18 :: CALL SP
```

```
RITE(#J,64+J,INT(11*RND+6),9
6,128,J*5,J*5)
170 X=ASC(SEG$(M$,J,1)):: IF
 X>58 THEN T=150*(X-64):: GO
TO 190
180 X=X-48 :: CALL SOUND(T,N
(X),0)
190 NEXT J :: FLAG=0 :: CALL
 DELSPRITE(ALL):: GOTO 140
200 Y=VAL(SEG$("115566544332
22215543325332",K-64,1))
210 CALL SOUND(500,N(Y),0)::
RETURN
220 CALL SOUND(500,N(5),0)::
 CALL SOUND(500,N(5),5):: CA
LL SOUND(500,N(4),0):: RETUR
N
230 SUB MAJORSCALE(K$,N())
240 F=VAL(SEG$("110123131147
165175196",POS("ABCDEFG",K$,
1)*3-2,3))
250 C$="101011010110101101
0101101011010101"
260 FOR J=1 TO 36 :: IF SEG$
(C$,J,1)="0" THEN 280
270 X=X+1 :: N(X)=F*1.059463
094^(J-1)
280 NEXT J :: SUBEND
```

Lines 230-280 of that routine are an example of the kind of handy-dandy subprograms you will find on my Nuts & Bolts disk.

We haven't had a Tigercub Challenge for some time, so –
How can you store a hundred or more values of any size, positive or negative, integer or non-integer, even in exponential notation, without dimensioning an array or opening a file?
Now, how can you link your program to another by a RUN statement, thereby losing all data, and recover those values? Yes, I know you can save them on the screen and read them back, but can you find a better way?

Here's a little demo program of how motion can be created by the repetitive redefinition of characters. I call it ETERNITY.

```
100 CALL CLEAR :: CALL SCREE
N(2):: CALL COLOR(1,16,1)::
CALL CHAR(33,"",34,"",35,"",
36,"")
120 FOR R=1 TO 12 :: CALL HC
```

```
HAR(R,R+4,33,26-R*2):: NEXT
R
150 FOR R=13 TO 24 :: CALL H
CHAR(R,29-R,34,(R-12)*2):: N
EXT R
180 FOR C=5 TO 16 :: CALL VC
HAR(C-4,C,35,34-C*2):: NEXT
C
210 FOR C=17 TO 28 :: CALL V
CHAR(29-C,C,36,C*2-33):: NEX
T C
225 FOR J=0 TO 7 :: A$(J+1),
B$(8-J)=SEG$("0000000000000
0",1,2*J)&"FF" :: NEXT J
230 C$(1),D$(8)=RPT$("80",8)
:: C$(2),D$(7)=RPT$("40",8):
: C$(3),D$(6)=RPT$("20",8)::
C$(4),D$(5)=RPT$("10",8)
240 C$(5),D$(4)=RPT$("08",8)
:: C$(6),D$(3)=RPT$("04",8):
: C$(7),D$(2)=RPT$("02",8)::
C$(8),D$(1)=RPT$("01",8)
250 FOR C=2 TO 15 :: FOR J=1
TO 8 :: CALL CHAR(33,A$(J),
34,B$(J),35,C$(J),36,D$(J)):
: NEXT J :: CALL SCREEN(C)::
NEXT C :: GOTO 250
```

Next, I would like to share with
you a gem of a "why didn't I think of
that" routine which John Taylor sent
me.

```
100 ! 28 COLUMN TEXT ROUTINE
IN EXTENDED BASIC (EASILY
CONVERTED TO BASIC) BY JULIE
PACK, B.U.G., P.O. BOX 1402
PALM BAY, FL 32906
110 ! ENHANCED BY JET
SHOALS 99'ERS, P.O. BOX 2928
MUSCLE SHOALS, AL 35662
120 CALL CHAR(64,"0028282828")
130 ! PROGRAM TO COPY STARTS
      HERE
140 CALL CLEAR :: X=-1
150 RESTORE
160 IF X>=21 THEN X=1 :: CAL
L WAIT
170 READ MESS$
180 IF MESS$="P" THEN DISPLA
Y AT(X+2,1):Z$ :: X=X+4 :: Z
$="" :: GOTO 160
190 IF MESS$="ZZZ" THEN DISP
LAY AT(X+2,1):Z$ :: CALL WAI
T :: END
200 IF LEN(Z$)>0 THEN MESS$=
Z$&" "&MESS$
210 X=X+2
220 IF X>=21 THEN X=1 :: CAL
L WAIT
```
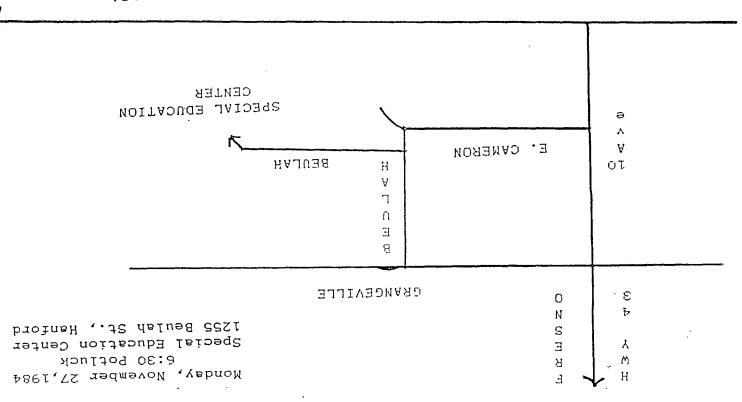
```
230 IF LEN(MESS$)<29 THEN DI
SPLAY AT(X,1):MESS$ :: Z$=""
:: GOTO 160
240 FOR A=1 TO 29
250 I=POS(MESS$," ",A)
260 IF (I=0 OR I>29)AND A=1
THEN A,J=29 :: GOTO 290
270 IF I=0 OR I>29 THEN A=29
:: GOTO 290
280 J,A=1
290 NEXT A
300 IF X>=21 THEN DISPLAY AT
(X,1):SEG$(MESS$,1,J-1):: X=
-1 :: CALL WAIT :: GOTO 320
310 DISPLAY AT(X,1):SEG$(MES
S$,1,J-1)
320 IF SEG$(MESS$,J,1)=" " T
HEN I=1 ELSE I=0
330 Z$=SEG$(MESS$,J+I,163)::
MESS$=Z$ :: IF LEN(Z$)>28 T
HEN X=X+2 :: GOTO 240
340 GOTO 160
350 DATA "THIS SHORT ROUTINE
WILL ENABLE YOU TO WRITE LO
NG TEXT MATERIAL IN YOUR DAT
A STATEMENTS SO YOU WON'T HA
VE TO WORRY ABOUT COUNTING"
360 DATA "THE LENGTH OF YOUR
SENTENCES ALL THE TIME. TH
IS ROUTINE WILL AUTOMATICALL
Y EDIT YOUR TEXT TO FIT A 28
COLUMN SCREEN."
370 DATA "A SUGGESTION- IT I
S A GOOD IDEA TO PUT A QUOTE
AT THE BEGINNING AND END OF
THE DATA STATEMENTS SO YOU
WON'T HAVE TO WORRY ABOUT"
380 DATA "COMMAS LIKE THIS ,
,, AND THEY WILL REMAIN IN Y
OUR TEXT PROPERLY."
390 DATA "THIS ROUTINE WILL
ALSO CLEAR THE SCREEN (WHEN
FILLED) AND CONTINUE READING
YOUR DATA AND DISPLAYING YO
UR TEXT ON THE NEXT SCREEN."
400 DATA P
410 DATA " TO START A NEW P
ARAGRAPH ENTER THE LETTER @P
@ AS A SEPERATE DATA STATEME
NT, THEN INDENT YOUR TEXT ON
YOUR NEXT NEXT DATA"
420 DATA "STATEMENT 2 OR 3 S
PACES (IF DESIRED).",P,"TO S
KIP LINES,",P,"JUST ENTER @P
@",P,"WHERE EVER YOU WANT TO
",P,"SKIP."
430 DATA P,"MAKE SURE THAT Y
OUR VERY LAST DATA STATEMENT
```

```
IS @ZZZ@, AND JUST REPLACE
THESE DATA STATEMENTS WITH"
440 DATA "YOUR OWN.",P,"YOU'
LL ALSO FIND THIS ROUTINE IS
MOST USEFUL WHEN CONCATENAT
ING STRINGS, E.G., @ELIZA@ T
YPE PROGRAMS-",P
450 DATA "AN EXAMPLE:",P,"A$
=@JACK AND JILL WENT UP@","B
$=@THE HILL TO FETCH A@","C$
=@PAIL OF WATER.@","D$=A$&B$
&C$&D$","PRINT D$",P
460 DATA "JACK AND JILL WENT
UP THE HILL TO FETCH A PAIL
OF WATER.",P,P,P,"HAPPY PRO
GRAMMING!"
470 DATA ZZZ
480 SUB WAIT
490 DISPLAY AT(24,8):"PRESS
ANY KEY"
500 CALL KEY(0,K,S):: IF S=0
THEN 500 ELSE CALL CLEAR
510 SUBEND
```
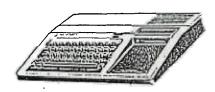
Thank you, Julie and John. This
is becoming one of the most useful
routines on my utility disk. I was
preparing a disk of PD programs for
our UG library. Some of them needed
extra instructions, so I typed them
out on TI-Writer, so that people
could run them off on their printer.
Then I remembered that some folks
don't have printers. So -

```
50 CALL CLEAR :: INPUT "FILE
NAME? DSK1."?:F$
60 DIM B$(150):: OPEN #1:"DS
K1."&F$,INPUT, DISPLAY ,VAR
IABLE 80
70 A=A+1 :: LINPUT #1:B$(A)
80 IF EOF(1)=1 THEN B$(A+1)=
"ZZZ" ELSE 70
```

and change line 170 to -

```
170 @=@+1 :: MESS$=B$(@)
```

And there you have a quickie
program to check out those DIS/VAR 80
files that show up on your disks
under filenames that   you can't
remember using.

MEMORY FULL IN LINE 32767