Mickey started the June meeting at 7:07PM. Not sure why she
was a little late starting when she had so many little
helpers. She thanked Ralph Vasco for his fine efforts in
getting the newsletter out when he received some of the
information at such a late date. Then she thanked me for my
small part of writing the minutes of the meeting. Don't look
now but Mickey was baby sitting her small nephew Louie and
her neice Lindsey, more on Louie's part in the meeting a
little later. Lynn Gardner gave a favorable Treasurer's
report.A warm hello to Paul and Evelyn Brock, we are still
waiting for your return to the meetings. Also it was nice to
see Mary Jo Cline in attendence at our meeting.

The VCR tapes of the Lima Fest came in, see Dick Ohi to check
them out. Tape #1 has; Bruce Harrison, MS Express, Notung
Software, Bud Mills and comments from the group meeting of
the Presidents of the various user groups that were in
attendance. Tape #2 has; Don Waldon, Dave Rodder, Jim Krych,
Charles Good(who he), Mike Wright and Barry Miller. Tape #3
has; Barry Traver and Vertual 4/A.

Art Gardner covered the many products he had for sale on the
back table. I next read from an abbreviated list of TI
equipment that I had for sale. Check inside the Newsletter
for all the details. Mickey brought in some recently received
NLs from other clubs. The games high score contest is still
active between several user groups and ourselves. Information
was passed around about the Lima demoes, the RDB company and
a price list from the Cecure Co. Let us all remember that
MS Express software will now be distributed through Ken
Gilliland of Notung software. The evenings raffle was held
next. One of the nice gifts offered was a copy of a program
by Mickey Cendrowski for organizing your disks. She also
demoed the program. It is set up on TI-Base. John Whelan had
the FREE copy disk library available all evening. Norm Rokke
had available the module library. Speaking of Norm, he's the
reason this report is a bit shorter than usual, he didn't
present his much looked for review of the latest
MICROpendium. We were all treated to a special event, this
being a demo of a game by Mickey's Ace assistant, Louie.
Folks you had to be present to appreciate the nice manners
and very knowledgable discription offered by this 6 year old.
Very nice job, Louie.

Finally, after the meeting I talked with Rob Ekl. He is doing
fine in college and is on the Dean's list. He is also on
several student committees. He is working locally for the
summer. Well that's about it for now. May the good 4's
be with you.

```
************************
*  TI BASE v3.02 INDEX  *
*   by Jerry Keisler    *
************************
```

For those having trouble finding commands in the TI BASE manual, I created TI BASE v2.0 INDEX. I have now added V3.02 commands. The v2 manual goes thru pages 5-13. If you label the v3 supplement pages 6-1 thru 6-9 and use the numbered items as .1 thru .20, you have the key for the new index. Therefore, you can use this INDEX with either v2 or v3. TI BASE v3 or upgrading v2 can be done thru Texaments,
701 S. Wicklow Ste.
Stillwater, OK 74074
phone (405) 372-0819

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6- version 3 additions

Congratulations

THE TI - 99 LIGHT PEN

I found an article in my archives that referred to
a light pen for the TI - 99 that I had been saving
for quite a while (the article and accompanying
program came from the MAY 1987 edition of TIBUG's
BUG BYTES Newsletter). After looking into it a
little more closely it became evident that it was
not what I had remembered it to be, however I
thought that it would serve quite well as a
beginners' hardware project, a novelty for the
younger members and a challenge to the Extended
Basic programmers to come up with some useful
routines or interesting games to play

The basis of the design is a light - dependant
resistor or CdS (Cadmium Sulphide) cell which is
quite sensitive to light. Construction of the pen
is very simple, and the accompanying diagram
should be self - explanatory, as the CdS cell is
not polarity conscious

Connected to pins 7 and 9 of the joystick port,
the programme is looking for RIGHT joystick
movement from JOYSTICK #1. The original article
suggests that a second pen could be connected to
pins 2 and 5 WHICH IS PROBABLY THE SAME FUNCTION
FOR JOYSTICK #2

The accompanying program is of a trivial game that
I had to modify to make it more interesting to
look at and more challenging to play - I mean if I
can consistently win, the game MUST be at pre -
kindergarten level. For those who find the game
too easy, try firstly changing the score values at
lines 820 to 890, at least you will get some
abusive messages occasionally

I have been frantically searching for joystick -
based games that were suitable for modification
for use with the light pen. Please send me a copy
of simple programs that you think may fit the
bill. Just remember that this is supposed to be a
project for the novice programmer

I would also like a copy of the program that
came with the original TI joysticks if any one has
a copy of it - maybe that type of drawing and
music program would suit the light pen. There is
also a TIC TAC TOE program deep in the archives
that requires a light pen - does anyone have a
copy of that one ?

Geoff WARNER

FOOTNOTE : The CdS cell is sensitive to WHITE
light, and thus the light pen will not work on a
green screen monitor...G.W.

TI LIGHT PEN
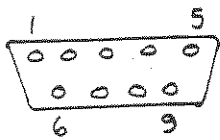
PIN LAYOUT
DB 9 Connector
(from solder side)

NOT TO SCALE
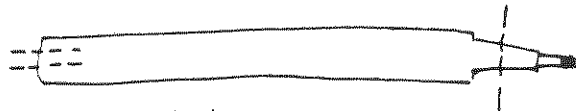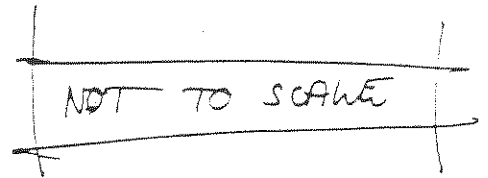
Old 'fine line'
fibre — tipped pen

drill a 3/16" hole
in the end of the
empty pen casing

cut
tip off,
remove and
discard contents
of pen

to DB9 connector

Cds Cell or light - dependant
resistor

↑
I used light
'figure 8' or car speaker
wire for the connector.

Solder wire to
Cds Cell leads.
Don't forget to sleeve the
exposed leads.

* Knot the wire to prevent
it pulling through and
putting a strain on the
soldered connection. *

PARTS LIST TI-99 LIGHT PEN

— DB9 Connector (female)
— Backshell to suit
— length of light 'figure 8'
cable (car speaker wire)
— CDS cell Dick Smith DSCD01
— Surplus fibre - tipped pen

**THIS PROJECT IS RATED
SUITABLE FOR BEGINNERS**

PROGRAM LISTING - SOFTWARE FOR LIGHT PEN PROJECT

SUITABLE FOR CASSETTE USERS

```
100 !DOTS
110 !
120 !REQUIRES LIGHT PEN
130 !
140 !ORIGINAL AUTHOR UNKNOWN
150 !
160 !UPDATE #1
170 !
180 !by Geoff WARNER
190 !
200 !for TIUP ( Inc. )
210 !
220 !PERTH
230 !
240 !WESTERN AUSTRALIA
250 !
260 !JANUARY 1993
270 !
280 CALL CLEAR :: CALL SCREE
N(2)
290 FOR X=1 TO 10 :: CALL CO
LOR(X,5-11*(X=8),1):: NEXT X
300 RANDOMIZE
310 FOR X=0 TO 2
320 C=96+8*X
330 CALL CHAR(C,"3C7EFFFFFFFF
7E3C")
340 CALL COLOR(9+X,1,1)
350 NEXT X
360 CALL DOT_SCREEN
370 DISPLAY AT(16,1):"'hp'h
p'hp'hp'hp'hp'hp'hp'hp'    T
I 99 LIGHT PEN          hp
   TOUCH DOT TO CONTINUE. 'ph
p'ph'ph'ph'ph'ph'ph'ph'ph'"
380 CALL JOYST(1,X,Y):: IF X
<>0 OR Y<>0 THEN 450
390 FOR C=1 TO 3
400 CALL COLOR(9,7-4*(C=1)-8
*(C=2),1)
410 CALL COLOR(10,7-4*(C=2)-
8*(C=3),1)
420 CALL COLOR(11,7-4*(C=3)-
8*(C=1),1)
430 NEXT C
440 GOTO 380
450 CALL SOUND(100,44,0)::
CALL CLEAR :: SC=D
460 DISPLAY AT(12,9):"EASY
   HARD"
470 DISPLAY AT(16,7):"SELECT
 DIFFICULTY" :: DISPLAY AT(1
8,1):"EASY=LARGE DOTS, H
ARD=SMALL"
480 CALL HCHAR(12,9,112):: C
ALL HCHAR(12,19,104)
490 CALL COLOR(11,16,16,10,2
,2)
500 FOR I=1 TO 10
510 CALL JOYST(1,X,Y):: IF X
=4 THEN CALL MAGNIFY(2):: GO
TO 580
520 NEXT I
530 CALL COLOR(11,2,2,10,16,
16)
540 FOR I=1 TO 10
550 CALL JOYST(1,X,Y):: IF X
=4 THEN CALL MAGNIFY(1):: GO
TO 580
560 NEXT I
570 GOTO 490
580 CALL CLEAR
590 CALL SPRITE(#1,96,16,92,
124)
600 DISPLAY AT(16,6)BEEP:"TO
UCH DOT TO START"
610 CALL JOYST(1,X,Y):: IF X
<4 THEN 610
620 CALL SOUND(-100,220,5)::
 CALL SOUND(-100,880,0)
630 CALL CLEAR
640 CALL CHAR(128,"3F7CF8F0F
8FC7E3F")
650 CALL CHAR(132,"3C7EFFFFF
FFF7E3C")
660 FOR L=1 TO 20
670 CALL SPRITE(#1,128,16,IN
T(RND*192)+1,INT(RND*256)+1,
INT(RND*0)+1,INT(RND*0)+
10)
680 N=0
690 CALL JOYST(1,X,Y)
700 IF X=4 THEN 730
710 CALL PAT
720 N=N+1 :: GOTO 690
730 SC=SC+N :: CALL SOUND(-1
00,440,5)
740 DISPLAY AT(1,5):"SCORE "
;SC
750 FOR X=1 TO 100 :: NEXT X
760 NEXT L
770 FOR Z=1 TO SC STEP 10
780 CALL SOUND(-100,Z+110,0)
790 NEXT Z
800 CALL CLEAR :: CALL SPRIT
E(#1,96,16,150,123)
810 DISPLAY AT(10,1):"YOUR S
CORE IS ";SC :: DISPLAY AT(1
8,3):"TOUCH DOT TO PLAY
AGAIN"
820 IF SC>150 THEN 830 ELSE
DISPLAY AT(12,6):" YOU CAN'T
 FOOL ME." :: DISPLAY AT
(13,6):" YOU CHEATED!" :: GO
TO 900
```

```
830 IF SC>200 THEN 840 ELSE
DISPLAY AT(12,1):" VERY GOOD
! " :: GOTO 900
840 IF SC>225 THEN 850 ELSE
DISPLAY AT(12,1):" WOW ! YOU
R NAME RAMBO? " :: GOTO
900
850 IF SC>250 THEN 860 ELSE
DISPLAY AT(12,1):" NOT BAD,
BUT DO YOU PAY SOMEONE T
O SWAT FLIES FOR YOU? " :: G
OTO 900
860 IF SC>300 THEN 870 ELSE
DISPLAY AT(12,1):" YOU NEED
PRACTICE " :: GOTO 900
870 IF SC>350 THEN 880 ELSE
DISPLAY AT(12,1):" HAVE YOU
CONSIDERED CHECKERS? " :
:: GOTO 900
880 IF SC>400 THEN 890 ELSE
DISPLAY AT(12,1):"HELLO! ANY
ONE AWAKE OUT THERE? " :
: GOTO 900
890 DISPLAY AT(12,1):"TRY PO
INTING THE PEN AT THE DOT! "
900 FOR Z=1 TO 500 :: CALL J
OYST(1,X,Y):: IF X=4 THEN 93
0
910 NEXT Z
920 CALL CLEAR :: DISPLAY AT
(12,1):" DOTS ALL FOLKS!" ::
END
930 CALL DELSPRITE(ALL):: GO
TO 450
940 SUB PAT
950 FOR PATT=128 TO 132 STEP
 4 :: CALL PATTERN(#1,PATT)
960 FOR D=1 TO 5 :: NEXT D
970 NEXT PATT
980 SUBEND
990 SUB DOT_SCREEN
1000 DISPLAY AT(1,1):"'hp'h
  hp'h  'hp'hp 'hp'hp p'   '
h    '    hh   h       'p
   h p   h   'p  p      ph
   p '   p   h'   'hp'hp  "
1010 DISPLAY AT(5,1):"h'    '
 h    '   ph         ' 'p  h
 p   h  'p  .      h ph
  p  '   p   h'         p h'
ph'   p'hp    ph   hp'hp' "
1020 SUBEND
```

A PROGRAM THAT I WOULD LIKE TO SEE by Dave Renkenberger

First of all, let's establish one thing, I am not a Programmer! I can plunk around in Extended Basic and I have written a couple of screen display routines in Assembly but that's about all.

One thing that I have noticed over the last couple of years in the 99-4A/9640 world is that most of the programmers are turning out utility programs and a few games. If this trend continues, our computers will become more and more one dimensional. What we need is more variety in the new offerings from our programmers.

The few simple programs that I have written in the past, were not all that difficult to write, once I came up with an idea of what I wanted to create. If others are like me in this respect, it would follow that if we would flood the user group newsletters and BBS's with programming ideas, we just might end up with some new programms to play with.

The following are my thoughts on a program that I would like to see written by someone more talanted than me. I would encourage others to follow suit and submitt requests for programms that they would like to see. If handled properly, this thing could snowball into something useful.

I have always wanted to write a program that would develop a grocery shopping list. The program should include a database for coupons and the user should be able to develop a store map that would sort the items on the list into the order in which they appear in the store. This program could also include such things as estimated cost calculations, and if the programmer really wanted to get fancy, nutritional info could be worked into the package.

Now it's your turn, What kind of program would you like to see?

The following is a partial list of TI equipment I have for
sale: 1. Complete TI system, monitor,console, full P-Box with
RS-232, Cor Comp card, DSDD drive and 2,400 buad external
modem. 2. 10 Meg hard drive. 3. 10 disk drives. 4. six
keyboards. 5. 4 modulators. 6. Two EPROM burning units with
chips. 7. 400+ program disks. 8. Mini Memory module. 9. Three
P-Boxes some with Flex cables and 32K cards. 10. 3 1/2 in.
disk drive. 11. Module Expander. 12. HFDCC card with 200 watt
power supply. 13. Large box of cables made-up, connectors and
cables. 14. Hundreds of books, pamplets, old Newsletters,
MICROpendiums and module instruction books. 15. Speech Syn.
Conservatively priced at $995, asking $550 for this Van load.
Frank N. Zic (412) 751-6065. 818 Everglade Drive
McKeesport, Pa. 15135-2202.

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GENERAL ITINERARY OF THE CLUB'S MEETING

    6:45 P.M.   DOORS OPEN
    7:00 P.M.   GENERAL MEETING
    7:45 P.M.   DEMOS AND NEW INFO
    9:45 P.M.   ONE ON ONE HELP
    9:45 P.M.   SOCIALIZING
   11:00 P.M.   DOORS CLOSE

MEETING HIGHLIGHTS FOR THIS MONTH

LATEST T.I. NEWS AND SOFTWARE DISCOUNTS

LATEST NEWS CONCERNING OUR DISK LIBRARY

AV-INDEX - DEMO BY MICKEY CENDROWSKI

BADWALLS - DEMO BY MICKEY CENDROWSKI

FATHOM   - DEMO BY MICKEY CENDROWSKI

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WEST PENN 99'ERS CLUB INFORMATION

NEXT MEETING DATE: JULY 19, 1994

MEETING LOCATION: PENNS WOODS
                          CIVIC ASSOCIATION

                          JUST OFF ROUTE 30

                          N. HUNTINGDON, PA

TIME OF MEETING: 7:00 P.M.

MICKEY CENDROWSKI
100 PINE STREET
RUSSELLTON, PA 15076

RAY BRONDER

I WAS BORN AND RAISED IN MONESSEN,PA. FEB 17TH.1923, GRADUATED IN 41 MONESSEN VOCATIONAL HIGH SCHOOL, ELECTRICAL, AND AUTOMOTIVE. GOT EMPLOYED AT PAGE STEEL AND WIRE COMPANY. WHERE I WORKED IN THE ROD MILL AS A HOOKER AND REELER.

OCT 3RD 1942 ENLISTED IN THE ARMY AIR CORPS. WENT TO KELLY FIELD TEXAS TO FLIGHT SCHOOL. AS A CADET. GRADUATED CLASS OF 43-C. AS PILOT AND SECOND LIEUTENANT; ON OCT 14TH 1943 .I GOT MARRIED THE SAME DAY TO MY WIFE OLIVE. WHO PAST AWAY SEPT 1ST.92 AFTER 49 YEARS.

WE WHERE THEN SENT TO FORT MYERS FLA. WHERE WE FLEW AT-6 (THE TEXAN) I WAS FLYING TOW TARGET SHIP FOR THE GUNNERY SCHOOL THERE. BUCKINGHAM ARMY AIR BASE.

WE THEN GOT OUR B-17 AT BUCKINGHAM AND SPENT TIME FLYING THEM. I WAS LATER SHIPPED OVER TO ENGLAND WITH THE 388 BOMER GROUP 8TH. AAF

WE RETURNED HOME IN DEC 46. I GOT A JOB AT PITTSBURGH STEEL CO. IN THE ELECTRIC SHOP. I STARTED OFF WITH A

CRANEMANS JOB THEN I BID TO A MOTOR INSPECTOR HELPER, THEN MOTOR INSPECTOR. THEN MY LAST 5 YEARS I WAS FIELD ELECTRICIAN FOR WHEELING PITTSBURGH STEEL CO.

I RETIRED IN 85 MOVED TO NEW ALEXANDRIA JOINED THE LIONS CLUB HERE, WAS PRESIDENT OF LIONS CLUB 94. JOINED WEST PENN 99ER IN 90 I USE MY T.I. MAINLY FOR GRAPHIC PROGRAMS. TIPS & PAGE PRO (Banners,Cards, Signs.) I got my T.I. for a birthday present when they sold for 50:00 now I have a P box with 3 disk controllers,and three hard drive in it. A modem 1200. Star NX/1001 printer and two spares equiped the same way I AM A MEMBER OF ST.JAMES R.C. CHURCH, PAST PRESIDENT OF CHURCH COUNCIL FOR 2 YEARS, PRESIDENT OF THE SENIOR CENTER FOR FIVE YEARS, WAS ON SCOUT COMMITTEE, PLAY THE ORGAN AT ST.JAMES CHURCH IN NEW ALEX. VERY ACTIVE IN LIONS.

MY THOUGHT FOR TO-DAY IS:

"DON'T GET TO MANY IRONS IN THE FIRE. THE FIRE WILL GO OUT."

JOHN VUKMAN

My name is John Vukman, I was born and raised in Blairsville, Pa. A few days after graduating from High School I was back in school again but under the supervision of U.S. Army Signal Corps. I was assigned to Signal Intelligent Unit and spent more time in schooling in Texas and California and finally spent the rest of War in CBI Area — China — Burma — India and also in the Philippines. After the war, went to School again only this time I was learning about Auto Mechanics, after six years I gave up the Auto Business and went to work for Westinghouse Electric, after 30 years with the company, I retired.

In between the time above, I married my wife, Mary. 45 uears ago. We had a son and daughter and they in turn gave us five grandchildren.

Back in 1984 my kids gave me a Ti Computer as a birthday gift. After many months of playing with it, finally began to enjoy running different programs. I got into learning how to read and write Basic and some X-Basic programs. I have been using my Ti-programs to run my sons Business. I have taken sections from other programs, that I liked and added them to my own, for a better running program. I love going into someones program and make changes.

Each year I send out over 300 letters for our South Blairsville Reunion. The letter is writen with the Ti and use of FunnelWeb, then extra copies are made on copy machine. But Ti makes all the address labels. Then with the help of Page-Pro I make all the name tags for all that attend the Reunion.

Last year I did two High School Class Reunions, a 50th and 55th. After making the address and name tag labels, I also made the program booklets.

My TI is in use almost everyday of the week. I also get into my pickup truck and haul supplies to my son's job sites. Also haul all cardboard and cut pieces of lumber and dispose of them by burning once a week. So I am kept very busy in my retirement years.

Back issue #92 May 93 I wrote about three and four page printing in which I gave you more info about my involvement with the Ti.