

# NUTTI NEWS

\* NITTANY USERS OF TEXAS INSTRUMENTS \*

L. Chapin, Pres.



TI-99/4A

DECEMBER 1990  
Send Exchange Newsletter  
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State College, Pa. 16803  
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M. Villaro, Ed.



GENEVE



## Merry Christmas

### ARTICLES BEING FEATURED THIS ISSUE:

TIPS FROM THE TIGERCUB. More helpful tips from Jim Peterson on XB.  
NEW-AGE/99 No. 11. Mickey Schmitt of West Penn 99'ers is profiled.

### NEW MEETING DATE, LOCATION REPEATED

Monthly meetings have now changed to third Saturdays at 1:30 PM at the PSU Campus in Rm. 104, Earth & Mineral Sciences Museum (Steidle Bldg).  
NEXT MEETINGS: Sat., Dec. 15, 1990, and Sat. Jan. 19, 1991. See you!

### HAPPENINGS OF PURELY LOCAL INTEREST

There were no NUTI-generated articles in this issue. No contributions were received. Your editor normally assumes this task cheerfully, but has been busy cramming for final examinations in celestial navigation. RAVE 99 Co. informed two members who ordered an Expansion Chassis from them last spring that they will be shipped the end of November. These replace the TI PEB with a box having a 200W ps. quiet cooling fan, and circuitry for housing new cards being developed for the TI and Geneve.

### BEST WISHES FOR THE COMING HOLIDAYS

Greetings are extended to our members for the upcoming holiday season. While this is a period of vacation and time for merriment, let it also serve to renew our vigor in getting more members, increasing activity, and selecting leaders, if we hope to survive as a users group in 1991.

### TIPS FROM THE TIGERCUB

#59

Tigercub Software  
156 Collingwood Ave.  
Columbus OH 43113

### TIGERCUB PROGRAMS & TI-PD LIBRARY

(Editor's Note: I do not have current information on the availability and cost of Tigercub Software programs, NUTS & BOLTS Disks, or the public domain software.

I am writing to Jim Peterson for his latest newsletters (#60 and up), which I'm sure will have an updated list of the software being offered. I understand that Jim has released all of his programs to public domain except for NUTS & BOLTS which has been drastically cut in price. NUTI has a partial listing of TI-PD Library but needs the new supplements. Jim's Software Catalog is out-of-print but the PD Catalog is available at nominal cost refundable on first order.)

The first few disks that I distributed of my Tips #58 had a poor version of my Datewriter program. Those which are titled TIPS #58.1 have the correct version. If you received the bad one, please ask me for another.

In Tip #82 I published this algorithm and asked why I could not get C to equal 9 or 12 or 99.

```
100 CALL CLEAR
110 DISPLAY AT(18,1):"A? "
: ACCEPT AT(18,4):A : DISPL
AY AT(18,1):"B? " : ACCEPT
AT(20,4):B
120 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
THEN IF B=4 THEN C=12 ELSE C
=9
130 DISPLAY AT(22,1):"C=":C
: GOTO 110
```

A couple of programmers wrote to tell me the error I was making. This way it will work -

```
120 IF A=2 THEN IF B=2 THEN
C=4 ELSE IF B=3 THEN C=6 ELSE
C=9 ELSE IF A=3 THEN IF B
=3 THEN C=9 ELSE IF B=4 THEN
C=12 ELSE C=99 ELSE C=99
```

If an IF is not true, the program execution jumps to the first ELSE which is not already paired with an IF. If there is no such unpaired ELSE, execution jumps to the next program line. In the correct example, IF B=2 is paired with ELSE IF B=3, and IF B=3 is paired with the first ELSE C=99, so if A=2 is not true then execution jumps to ELSE IF B=3. The second IF B=3 is paired with ELSE IF B=4 and IF B=4 is paired with the second ELSE C=99, so if A=3 is not true, execution jumps to the final ELSE C=99.

Here's a bit of a new idea in a spelling program. If your word has the correct number of letters but some are wrong, it shows you the wrong ones.

```
100 DISPLAY AT(3,1)VERASE AL
L:"SHELLT" :by Jim Peterson
110 DATA HIPPODAMUS,CRITIQ
UE,KIARI,IRIDESCENT,ARCHAIC,
PNEUMONIA
120 add as many DATA statem
ents as you want
130 (OR CH=97 TO 122 : CALL
CHAPAT(CH=32,CH$
HAR(CH,CHR):) : MPT
L COLOR(9
```

```
(12,8,2)
140 DATA END
140 READ NS : T=100 : IF M
S="END" THEN CALL CLEAR : S
TOP
140 GOSUB 230 : ACCEPT AT(1
2)11SIZE1-281BEEP:OS
140 IF OS=MS THEN CALL SOUND
(00,392,5): CALL SOUND(200
,123,5): DISPLAY AT(12,1):"
" : GOTO 150
140 FOR J=1 TO LEN(OS) : IF
SISR(OS,J,1)=SECR(MS,J,1)THE
N 210
140 DISPLAY AT(12,J):CHR$TAS
C SECR(OS,J,1)+32:
210 T=T+50 : IF LEN(OS)=LEN
(MS)THEN GOSUB 230 : GOTO 2
10 ELSE DISPLAY AT(12,J+1):"
" : J=LEN(OS) : GOTO 160
210 NEXT J
220 T=T+50 : GOTO 160
230 DISPLAY AT(10,1):MS : F
OR D=1 TO T : NEXT D : DIS
PLAY AT(10,1):" " : RETURN
```

When I'm not writing programs, I like to write songs but the only way I can get anyone to listen to my music is to program it. Lucie Drais of the Ottawa OG made this neat routine to program waltz music, and I plugged one of my songs into it.

```
100 CALL CLEAR : CALL SCREE
N(2) : FOR X=4 TO 12 : CALL
COLOR(X,16,2): NEXT X
110 CALL CHARPAT(39,AS,AA,BS
,38,CS) : CALL CHAR(61,AS,96
,6B,6A,CS)
120 DISPLAY AT(2,7):"SEDUCTI
ON WALTZ": " : Words & music
Program by: by Jim Peters
on Lucie Drais'
130 FOR D=1 TO 740 : NEXT D
140 CALL CLEAR : CALL STAB
(9,23,95,198)
150 LB=123 : LC=131 : LD=1
47 : LE=165 : IF=175 : LG
=196 : LA=220 : B=494 : C
=523 : D=587 : F=659 : G
=691 : G=784
```

```
16 : READ M(I,J) : NEXT J
180 GOTO 190 : AS,TIME,X,Y
: CALL DELSPITE : IAP-
190 FOR TIME= TO 4
200 Y=Y+1 : DISPLAY AT(1,1)
:MS(Y): CALL BAR(IV,CV,-RV,
-CV,G,C,C,LC,LE,LG)
210 CALL BAR(IV,CV,O,-CV,C,D
,D,LC,LE,LD)
220 CALL BAR(-RV,CV,RV,-CV,C
,E,E,LC,LE,LE)
230 CALL BAR(-RV,O,RV,O,E,E,
E,LC,LE,LD)
240 Y=Y+1 : DISPLAY AT(1,1)
:MS(Y): CALL BAR(-RV,-CV,RV
,CV,G,C,C,LC,LE,LG)
250 CALL BAR(IV,-CV,O,CV,C,D
,B,LC,LE,LD)
260 CALL BAR(IV,-CV,-RV,CV,C
,E,E,LC,LE,LE)
270 CALL BAR(O,-RV,O,E,E,
E,LC,LE,LD)
280 Y=Y+1 : DISPLAY AT(1,1)
:MS(Y): CALL BAR(-RV,CV,RV,
-CV,G,A,A,LF,LA,LC)
290 CALL BAR(IV,CV,O,-CV,A,F,
G,LF,LA,LC)
300 CALL BAR(IV,CV,-RV,-CV,A
,G,A,LF,LC,LA)
310 CALL BAR(IV,O,-RV,O,C,C,E,
E,LC,LE,LD)
320 Y=Y+1 : DISPLAY AT(1,1)
:MS(Y): CALL BAR(IV,-CV,-RV
,CV,G,G,D,LG,LD)
330 CALL BAR(IV,-CV,O,CV,F,E,
B,LG,LD,LD)
340 CALL BAR(-RV,CV,RV,CV,D
,LC,C,LC,LE,LD)
350 CALL BAR(-RV,O,RV,O,C,C,C,
C,LC,LE,LD)
360 CALL PATTERN(1,132,42,1
28): CALL MOTION(41,O,42,
O,O)
370 NEXT TIME
380 CALL BAR(IV,O,RV,O,G,G,G,D
,LG,LD,LD)
390 CALL BAR(IV,O,RV,O,F,E,E,H
C,LG,LD,LD)
400 CALL BAR(IV,O,RV,O,HB,HC
,HC,LC,LE,LD)
410 CALL DELSPITE(CALL)
420 CALL BAR(IV,O,RV,O,HC,HC
,HC,LC,LE,LD)
```

```

DISPLAY AT(24,11): Y=0
CALL START(95,23,95,199)
GOTO 190
950 *P+
960 DATA Dance with me by the
light of the moon, And sway
to the throbbing guitars
The love that we feel is a
love that is real
970 DATA And it's witnessed
by only the stars, Is it wrong
to love and be loved?, Is
it wrong to kiss and be
kissed?, Is it wrong to rest in
the arms
980 DATA Of the one you love
the best?, What's the dif-
ference what others may say?
Does it matter who is to
blame?
990 DATA When the wind of spring
sings in your hair, and the
moon makes your hearts beat
at the same
500 DATA "Come with me" let
us "go" let us go! In the
darkness and no one will be
there with me to place the
at all know
510 DATA On this wild night
of love stay with me
520 *P+
530 SUB START(R1,C1,R2,C2)
540 CALL CHAR(128,"070F0A0B0
80307370F0F1F1F3F3F3F021C1C0
8F01C1C1C1C9C8C8C8C81E8E8E818"
)
550 CALL CHAR(132,"8381D3F3
83F38383911131317171718EDF05
00000C0E0E0E0F0F0F8F8F8C40"1
)
560 CALL CHAR(136,"C03D1030
3030330707070F1F1F1F0280800
0808038080C0C0E0E0F0F0F080"
)
570 CALL MAGNIFY(4): CALL S
PRITE(1,128,8,R1,C1,2,132,
10,R2,C2): SUBEND
580 SUB BAR(R1,C1,R2,C2,T1,T
2,T3,B1,B2,B3)
590 P1=128-4*(P1=128): P1=1
28-4*(P2=128)
600 CALL PATTERN(1,P1,2,P2
): CALL MOTION(1,R1,C1,2,
R2,C2): FOR T=1 TO 4: CAL
L SOUND(1-99,11.5,T*1.01,5,
81,10): NEXT T
610 FOR T=1 TO 6: CALL SOU

```

```

ND-999,T2,5,T2*1.01,5,B2,10
): NEXT T: CALL PATTERN(1
1,36,2,136)
620 FOR T=1 TO 4: CALL SOU
ND-999,T3,5,T3*1.01,5,B3,10
): NEXT T: P1=P2: SUBEN
D
IF YOU'RE WATCHING YOUR
DIE!
100 DISPLAY AT(1,1)ERASE ALL
:NUTRITION LABEL INTERPRETE
R": BY JIM PETERSON":
" To help you understand t
he mandatory FDA nutrition
labels on food packages."
110 DISPLAY AT(8,1): "Calorie
s per serving?" : ACCEPT AT
(8,23)VALIDATE(NUMERIC)BEEP:
C
120 DISPLAY AT(10,1): "Grams
of fat?" : ACCEPT AT(10,15)
VALIDATE(NUMERIC)BEEP:F
130 DISPLAY AT(12,1): "Grams
of sucrose & other sugars?"
: ACCEPT AT(13)VALIDATE
(NUMERIC)BEEP:S
140 DISPLAY AT(15,1): "Grams
of starch and other carbohy
drates?" : ACCEPT AT(16,16)
VALIDATE(NUMERIC)BEEP:X
150 F=INT(F*9/C*100+.5): S=
INT(S*9/C*100+.5): K=INT(K*
4/C*100+.5)
160 DISPLAY AT(18,1):STR$(F)
R% "% of calories from fat":ST
R$(S)R% "% of calories from su
gars":STR$(K)R% "% of calories
from": "starches and carbohy
drates"
170 DISPLAY AT(22,1):STR$(10
0-F-S-K)R% "% of calories from
dietary fiber."
180 GOTO 110
I came across this beauty
of a routine in the Summer
1981 newsletter of the
Lehigh 99'er Computer Group.
Assemble it with only the R
option, as TRACK//.
*****
* BOOT TRACKING
* Adrian Robinson
* May 1989

```

```

* CALL LINK("TRACK",AS)
*****
DEF TRACK
STRASG EQU >210
TMRB EQU >22C
TWS BSS 32
ASD BYTE >3C >301)
BYTE 11
BSS 11
EVEN
RACK LWP1 MYMS
LI R0,>3FF5
LI R1,DSK
LI R2,11
BLWP 2WMBR
AB 2H30,2DSK
CLR R0
LI R1,1
LI R2,35K-1
BLWP 2STRASG
LWP1 >83D
CLR 2>87C
B 2>37)
END
When you load a program,
the DOS saves its drive num-
ber at >3FF5 and the file-
name in the next 10 bytes.
By recovering this drive
number, you can write your
program to open and read
files from whatever drive
the program may be loaded
from.
You can load this routine
by a CALL LOAD, but that
must be preceded by a CALL
INIT which will wipe out the
record in >3FF5 so you will
need to start the program
with this line -
100 CALL INIT: DISPLAY AT(
12,1)ERASE ALL:"DRIVE NO.?"
: ACCEPT AT(12,12):DS: CA
LL LOAD("DSK"048",TRACK//")
: CALL LINK("TRACK",AS)
Then, when you want to
open a file,
OPEN #1:"DSK"SIGS(AS,1,1)8"
,@the filename)
However, if you imbed this
routine in your program with

```

```

* CALL LINK("TRACK",AS)
*****
And to fill the column -
100 CALL CLEAR: FOR J=1,10
12: CALL TOLOR(J,16,2):
NEXT J
110 CALL SCREEN(2): DISPLAY
AT(3,51): "SNOWBALL ON CANYE
DE": "THE SNOWFLAKES ON
THE THIRD": "MOON OF JUPI
TER ARE LARGE"
120 DISPLAY AT(12,11): "AND IN
MANY COLORS, BUT LIKE":
"THOSE OF EARTH THEY ARE":
"ALWAYS SYMMETRICAL AND NO"
130 DISPLAY AT(21,1): "TWO AN
E EVER THE SAME."
140 C=3: Y=1: CALL MAGN
IFY(3): RANDOMIZE: FOR CH
40 TO 120 STEP 4
150 FOR J=1 TO 8: FOR K=1
TO 8: Z=INT(112*RND+2): X
=INT(Z/8): Y=STR$(ABS(X-Z))
Y8: NEXT K
160 CALL BIN HEX(X,H3): A=
AS4HS: BS=IS4BS
170 YS=SEGS(Y8,2,7)0": (
ALL BIN HEX(Y8,H3): CS=CSM
$: DS=HS4DS: X8,Y8":
NEXT J
180 CALL CHAR(CHR,AS&SEG8(85
3,14)8"00"ACUS&SEG8(85,3,14)
): CALL CLEAR: CALL SPRITE
18Y,CH,C,150,150,15*PRD-15*P
ND,15*PRD-15*PRD)
190 AS,BS,CS,YS": C=C+1:
IC=16)*14: F=Y+1: NEXT I
H
200 GOTO 200
210 SUB BIN HEX(BS,H3): HX1
="0123456789ABCDEF": BNS="
0000X0001X001X0011X010X010
1X0110X0111X010X0101010101
011X110X110111011101111"
220 I=L-LEN(BS): IF L/A<>INT
(L/A) THEN BS="1"488: GOTO 2
20
230 FOR J=L-3 TO 1 STEP -4:
: X=SEGS(BS,J,4)
240 X=(POS(BW,X8,1)-1)/5:
TS=SEGS(HX8,1+1,1)8TS: NE
XT J: HS=TS: TS="": SL
BEND

```

Todd Kaplan's invaluable ALSAVE routine, you can omit the LOAD routine!

And to fill the column -

100 CALL CLEAR: FOR J=1,10  
12: CALL TOLOR(J,16,2):  
NEXT J

110 CALL SCREEN(2): DISPLAY  
AT(3,51): "SNOWBALL ON CANYE  
DE": "THE SNOWFLAKES ON  
THE THIRD": "MOON OF JUPI  
TER ARE LARGE"

120 DISPLAY AT(12,11): "AND IN  
MANY COLORS, BUT LIKE":  
"THOSE OF EARTH THEY ARE":  
"ALWAYS SYMMETRICAL AND NO"

130 DISPLAY AT(21,1): "TWO AN  
E EVER THE SAME."

140 C=3: Y=1: CALL MAGN  
IFY(3): RANDOMIZE: FOR CH  
40 TO 120 STEP 4

150 FOR J=1 TO 8: FOR K=1  
TO 8: Z=INT(112\*RND+2): X  
=INT(Z/8): Y=STR\$(ABS(X-Z))  
Y8: NEXT K

160 CALL BIN HEX(X,H3): A=  
AS4HS: BS=IS4BS

170 YS=SEGS(Y8,2,7)0": (ALL  
BIN HEX(Y8,H3): CS=CSM  
\$: DS=HS4DS: X8,Y8":  
NEXT J

180 CALL CHAR(CHR,AS&SEG8(85  
3,14)8"00"ACUS&SEG8(85,3,14)  
): CALL CLEAR: CALL SPRITE  
18Y,CH,C,150,150,15\*PRD-15\*P  
ND,15\*PRD-15\*PRD)

190 AS,BS,CS,YS": C=C+1:  
IC=16)\*14: F=Y+1: NEXT I  
H

200 GOTO 200

210 SUB BIN HEX(BS,H3): HX1  
="0123456789ABCDEF": BNS="  
0000X0001X001X0011X010X010  
1X0110X0111X010X0101010101  
011X110X110111011101111"

220 I=L-LEN(BS): IF L/A<>INT  
L/A) THEN BS="1"488: GOTO 2  
20

230 FOR J=L-3 TO 1 STEP -4:  
: X=SEGS(BS,J,4)

240 X=(POS(BW,X8,1)-1)/5:  
TS=SEGS(HX8,1+1,1)8TS: NE  
XT J: HS=TS: TS="": SL  
BEND

~~~~~  
W-AGE/99 \* NEW-AGE/  
99 \* NEW-AGE/99 \* N  
EW-AGE/99 \* NEW-AGE  
/99 \* NEW-AGE/99 \*  
~~~~~

\* by JACK SUCHRUE, Box 459, East Douglas, MA 01516 \*  
#1

**THE LADY FROM LOWER BURRELL**

Mickey Schmitt, president of the West Penn 99ers, is a young lady with extraordinarily varied T.I. interests and talents. She is an ardent fairgoer, ranging along the eastern seaboard inland to Lima, Ohio, and north to Canada, visiting with her hundreds of TI friends and fans and oftentimes representing groups or companies who couldn't attend.

Mickey is an author, programmer, tutor, collector, and adventure aficionado whose great sense of humor shows through almost all her activities. For example, in a very clever adventure she wrote for the TI Adventure Module (OLIVER'S TWIST - cassette or disk, Asgard, \$7.95), she requires the player to PUT BACK treasures in order to win the game. Her latest Asgard adventure, RATTLESNAKE BEND, is like John Wayne playing Viva Zapata. Wild, hilarious stuff. But hidden beneath the jocularity is a mean adventure guaranteed to please, partner.

Adventuring seems to be in Mickey's blood. She is THE expert in the field. If there is an adventure for the TI she hasn't uncovered and played, it was probably written this morning.

A few years ago we had a chance to talk for awhile at one of the computer fairs, and she felt there was a real need to compile a listing of all the various adventures available for the TI so that users could have some kind of idea what is out there. I agreed but felt the task was formidable. Mickey didn't, fortunately for the TI community. She began collecting, sorting, doing, evaluating, and compiling every available adventure for the TI.

The result of this massive undertaking is THE ADVENTURE REFERENCE GUIDE, a 62-page, 8x11" commercially printed, easy to read book that not only gives a complete alphabetical listing of over 200 adventures but breaks them down into different sections by language (XB, E/A, etc.) and type (INFOCOM, Educational, Role-playing, etc.). There are astute reviews of selected adventures and sections on sources, utilities, and adventuring history. There is also a checklist for solving and comments. This is an indispensable guide for any adventuring Tier (from Asgard, Box 10306, Rockville, MD 20848; \$9.95 / \$2 S&H) [Last I heard, Mickey was continuing to test new and new-found adventures for updating this magnum opus.

If you own Scott Adams' ADVENTURE MODULE or the disk loader interpreter of this module available from user groups, I'd highly recommend investing in Mickey's two games.

Life is strange. At least the life that goes on inside my head. When I sat down to write this article I was planning a review of Mickey's newest book on cassette systems. But I pulled out THE ADVENTURE REFERENCE GUIDE from the Mickey Schmitt section of my TI library by mistake and couldn't resist rereading it. Then I couldn't resist playing SORCERER (an INFOCOM game reviewed in the book by Mickey which I had started but never finished). Then I couldn't resist eating lunch, still thinking of the spells and magic items I needed to get out of the SORCERER.) Finally, I put all that stuff behind (more from frustration than feeling the noble urge to return to task) and got back to doing

this review. But I couldn't resist writing about this woman's profound adventuring influence first. Now, the "real" topic of this review: GETTING THE MOST OUT OF YOUR CASSETTE SYSTEM.

GETTING is based on the series of articles by the same name that appears in newsletters throughout the world. This entirely rewritten work is a professionally published, 8x11", 52-page, loose-leaf package, containing all the original (though updated and revised) articles that first appeared in her group newsletter.

Not only is this book handy for what it does, but Mickey has provided a way for user groups to make a few kopeks on it. She is offering this project for \$9.95 plus \$2.50 S&H to any individual or user group. User groups need only purchase a single copy. She grants the rights for the group to reproduce it entirely for members of the group free or as a fundraiser, providing no copies are given or sold to persons outside the group. Neat idea. Hope it catches on. The packages must be ordered directly from the author: Mickey Schmitt, 196 Broadway Avenue, Lower Burrell, PA 15068.

Now, what does GETTING get you?

First, a chance to rethink your group membership and future growth, because the cassette is still a powerful tool for a beginner or basic user. This book might just show your group new ways to attract new (or old) members into the fold.

Second, it opens one's eyes to lots of possibilities of cassetting previously unexplored. One of my TIs at school is cassetted, for example, and this book proved to be an immense help in ways I never dreamed of. More on this later.

Finally, this book made a multi-system user of me. I really only need one disk drive system to do all the tasks I do, but many times the system is tied up with heavy-duty printing or converting graphics or any number of long-time chores. Rather than sit and wait or go watch TV or clean my wallaby's teeth, I just move over to my OTHER TI SYSTEM! That's right. I have set my other console (\$3 at a yard sale) onto a TV with a tape recorder hookup. Many nights I now just use the SILENT tape recorder system for some utility or recreational use. And I'm finding more and more uses, including lots of cartridge (MINIEM, LOGO, etc.) activities I had forgotten were so exceptional, even with tape. I have a sidecar 32K, though many people are putting the chip right in or making the chip part of a Zenoboard package. Anyway, with 32K and Will McGovern's CASSTRANS I can load ASSEMBLY games and utilities into my computer from tape. I can AUTOMATICALLY!!! locate and RUN programs from my tape recorder with Joseph Bartle's CS1\*INDEX. I have my cassette boxes labeled and a catalog on each tape, thanks to Mickey's LABEL and CATALOG programs. All this stuff, by the way, is in the book in short, easy to type in, clever programs. (Will's program is Fairware and in all group libraries.) No more being restricted to BASIC and XB files. Now I can play FREDDY from my tape recorder. No more searching for programs. I don't even need a tape recorder with a counter on it anymore. Now, like the Timex/Sinclair user, I can automatically run a program anywhere on a C-60 tape after locating it in the FAST FORWARD speed mode in short, tape recorders have come of age. They can be powerful and fast and reasonably efficient and orderly.

Mickey's book is extremely non-technical. She explains everything about computer taping from the VERY beginnings to the state of the art. And it really might get you into that SECOND system.

### THE PENNSYLVANIA APPLES

#### Microcomputer Users' Group

President	Jeff Young	238-6507
Vice-President	Adrian Sullivan	234-8698
Secretary	Peter Gold	238-7492 LPG@PSUVM
Treasurer	Mary Deutsch	237-4275
Newsletter Editor	Peter Gold	
Bulletin Board	Adrian Sullivan, SYSOP	863-7245

Meetings: Second Tuesday of each month

**November Meeting:** The November meeting featured a spectacular presentation on computers and music organized by Wally Lloyd, Herb McKinstry, and Frank Vasto. Included were a description of MIDI, the instrument-computer interface standard and demonstrations of music synthesizers, a keyboard (played by Pat Lloyd) and an electronic saxophone (played by your newsletter editor). Wally showed a music notation program. Thanks to all who participated not only for their presentations but also for bringing a massive amount of equipment

**December Meeting:** The December meeting will be our annual games program. Bring your favorite game and be prepared to give a brief demonstration. We'll have some games from the club library.. We will also have election of officers (see below).

**Election of Officers:** The following have been nominated for office in the group; there were no additional nominations from the floor at the November meeting:

- President - Jeff Young
- Vice-President - Herb McKinstry
- Secretary - Peter Gold
- Treasurer - Mary Deutsch

The election will be held at the December meeting. In presenting the nominations at the meeting Jeff Young noted the remarkable similarity between this slate and the list of current officers. We need more members to become active in running this group. The way to become active is to attend meetings of the executive committee or the fourth Tuesday of each month (not in December) at 7:30 PM in 189 MRL (same location as the regular meetings. Any club member is welcome!

**Future Meetings:** The January meeting will be on desktop publishing.