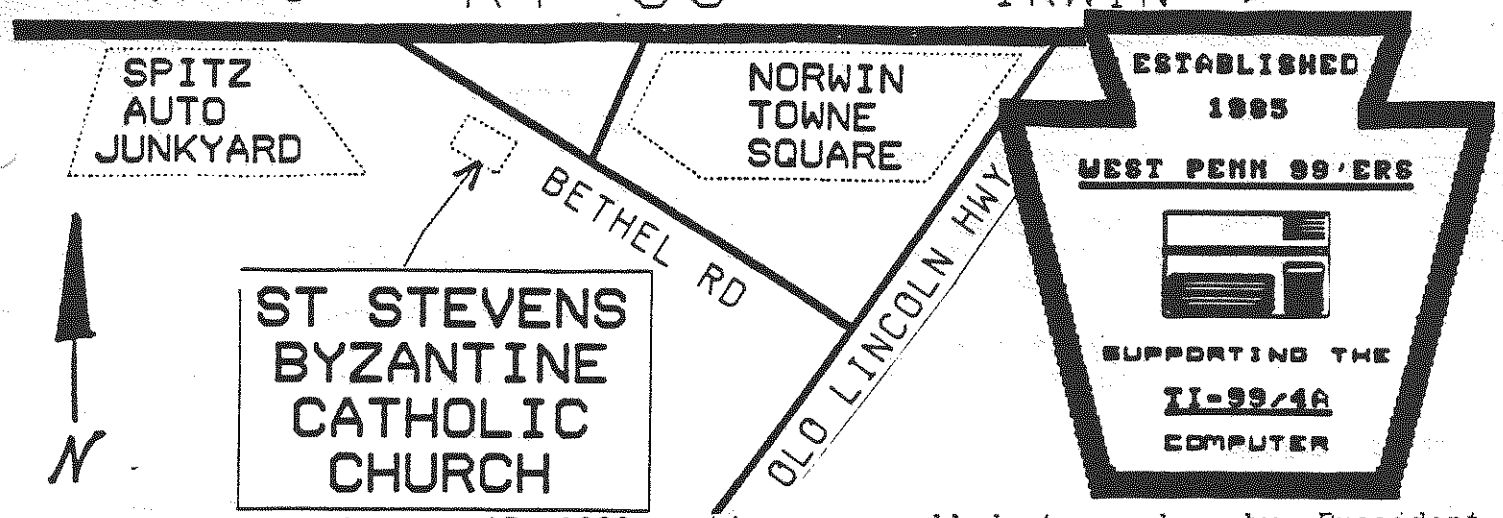

"FOR THE RECORD" by Frank N. Zic
ISSUE #2 FEBRUARY 1990

The January 15, 1990 meeting was called to order by President Mickey Schmitt at 7:15 PM. She started the meeting with thanks to John Willforth (relief pitcher), for his save at the last meeting. Yes, folks the Pirates can't be far away. By the way, I told you the Steelers some how would make it to the play-offs. They did just fine. Thanks also went to Ed (Scoops) Bitner for his recent efforts. Is he still around? Lynn gave a brief treasuary report. Bob said the latest addition to the library was Contact Bridge. Joe and Rob came in later with some nice goodies, thank your Wife for us Joe. Meanwhile, John W. gave Joe's membership report by saying 8 new members have joined in the last 2 months. John Vukman signed in Albert Kozlesky, best wishes Al. Welcome to all and happy computing. The TCI cable free public announcements, that I placed, stirred only mild responces. The new Assembly books are in, and blank disks and disk boxes are available. The PUG BBS has been down and Gene again missed our meeting due to a hectic schedule.

Check out page 41 of Dec.89 Micropendium for an update on our 2 Adventure programers, Lynn and Mickey. Thanks to Frank Foster for his recent Assembly disks and John W. for the forth coming 'Y' cable. Anyone interested (member or not) in their 1990 Income Tax is invited to the PUG meeting on February 18th to hear Bill Chavanne present his fine tax program. Upcoming dates on TI fairs are as follows. Ontario, Canada, April 28; New Jersey, March 17 and Lima, Oh, May 26. A local Ham Fest with some computer equipment usually available will be held March 4 at the Rostraver Fire Hall. Check out the 7 InfoCom games being released by Asgard. These are unreleased TI originals.

TI Forum is no longer being carried by Computer Shopper. What is turning out to be a fine TI news area is the new Asgard News publication. Check it out and give support if you like it. Perhaps a club discount will be forthcoming? Mickey wrote for a catalog from Quality 99. Check page 606 of the February Computer Shopper for 3 1/2 in. 720k disk drives for only $33.

Demos for the night included: Bob Sadusky, Contact Bridge; Norm Rohde, TI-Artist Plus and your truly on the game Entrapment. Paul Brock showed a program he wrote that indexes a magazine or newsletter. A raffle was held as is the custom. See what all you missed by not attending. Why don't you rearrange your busy schedule and come join the fun next month? Art Gardner is thinking of buying a ribbon inker that may be made available to club members, thanks Art. Bob Sadusky has a Multi-Plan available for $12.95.

Well, I guess that's about it for this session. If I quit now John may have an inch to play with. May the good 4's be with you.

WEST PENN 99'ERS CLUB INFORMATION

NEXT MEETING DATE: FEBRUARY 20, 1990

MEETING LOCATION: ST. STEPHEN'S BYZANTINE CATHOLIC CHURCH

JUST OFF ROUTE 30
BETHEL ROAD, NORWIN

TIME OF MEETING: 7:00 P.M.

LIST OF WEST PENN OFFICERS FOR 1990

PRESIDENT:	MICKEY	335-0163
VICE PRESIDENT:	SCOTT	523-3754
TREASURER:	LYNN	835-4304
RECORDING SEC:	ED	864-4924
CORRESPONDING SEC:	GENE	829-0469
LIBRARIAN:	BOB	863-5672
NEWSLETTER EDITOR:	JOHN	527-6656

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
8:45 P.M.	HARDWARE & PRINTERS
8:45 P.M.	INTRO TO ASSEMBLY
8:45 P.M.	INTRO TO TI-BASE
8:45 P.M.	USING YOUR CASSETTE
11:00 P.M.	DOORS CLOSE

MEETING HIGHLIGHTS FOR THIS MONTH

LATEST T.I. NEWS AND SOFTWARE DISCOUNTS

"PICASSO PUBLISHER" DEMO BY GARY TAYLOR

TEXAMENTS' TI SORT DEMO BY LYNN GARDNER

WEST PENN "LIBRARY DEMO" BY BOB SADUSKY

LATEST SOFTWARE DEMOS BY JOHN WILLFORTH

RENEW YOUR MEMBERSHIP DUES!

$15.00 PER YEAR FOR INDIVIDUAL / FAMILY
$10.00 PER YEAR FOR JUST THE NEWSLETTER

TREASURER'S REPORT FOR JAN. 16,'90

FROM LYNN GARDNER

1/16	CASH ON HAND	$ 50.00
	LIBRARY SALES	32.00
	MICROPENDIUMS	34.75
	DISKS & CASES	82.00
	RAFFLE	31.00
	DUES	305.00
		$534.75
1/16	EQUIPMENT	- 4.25
	TOTAL	530.50
1/18	DEPOSIT	480.50
1/18	CASH ON HAND	$ 50.00
12/20	BANK BALANCE	$1167.26
12/22	INTEREST	+ 3.97
		1171.23
1/16	POSTAGE (JOHN)	- 67.50
1/16	RAFFLE ORDERS	- 235.50
1/17	MICROPENDIUMS	- 37.50
		830.73
1/18	DEPOSIT	+ 480.50
	BALANCE	1311.23
TOTAL CASH BALANCE		$1361.23

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PRINTERS #5

by John F. Willforth (Feb. '89) ML=More Later

Last month I ended with a little program that printed my three initials "JFW" as a single graphic character. This month I'll expand on that program.

ABOVE ARE FOUR OF THE MANY GRAPHIC MODES AVAILABLE.

To the left you will see four graphics which actually consist of nine 8x8 graphic characters, three in the top row and three rows high, And since there are 8 eight-bit characters in each graphic character, there are 72 characters sent to the printer to print a single complete image printed (8x3x3).

The top graphic is in the Standard-density mode. The second one down is in Double-density graphics, the third down is in Double-speed double/densitygraphic mode, and the bottom is in Quadruple-density graphic mode.

You can create even much larger graphics either as I did using a CHR$(xxx) or by creating a series of DATA statements and reading them into a DIMension and then printing out that file to a printer.

The program below was designed to be simple to understand rather than short and fast. From what you learned in Printers #4, line # 120 is setting the line spacing so that the 8 dot high character will not have a window-blind-effect between them (white lines horizontally). The line 130 simply is used by my demonstration program to select Standard-density graphics mode first and line 140 is a definition of commands so that I can use a brief command to reimplement the graphic mode, GMODE$ as seen in lines 150,180, and line 210. The actual printing is done in lines 150 through 230. Lines 240 to 300 are there to change the modes described above. Lines 110 through 230 will do a standard graphic printout.

```
100 ! DEMO OF MULTI-CHARACTER GRAPHICS.
110 OPEN #1:"PIO"
120 PRINT #1:CHR$(27);"A";CHR$(8)
130 G$="K"
140 ESC$=CHR$(27):: L$=CHR$(24):: M$=CHR$(0):: GM$=ESC$&G$&L$&M$ :: GMODE$=GM$
150 PRINT #1:GMODE$;CHR$(254);CHR$(240);CHR$(224);CHR$(224);CHR$(224);CHR$(224);
CHR$(255);CHR$(255);
160 PRINT #1:CHR$(255);CHR$(255);CHR$(224);CHR$(224);CHR$(224);CHR$(224);CHR$(24
0);CHR$(254);
170 PRINT #1:CHR$(000);CHR$(128);CHR$(255);CHR$(255);CHR$(255);CHR$(255);CHR$(25
5);CHR$(128)
180 PRINT #1:GMODE$;CHR$(000);CHR$(000);CHR$(000);CHR$(000);CHR$(000);CHR$(000);
CHR$(255);CHR$(255);
190 PRINT #1:CHR$(255);CHR$(255);CHR$(000);CHR$(000);CHR$(000);CHR$(000);CHR$(00
0);CHR$(000);
200 PRINT #1:CHR$(000);CHR$(000);CHR$(255);CHR$(255);CHR$(255);CHR$(255);CHR$(25
5);CHR$(000)
210 PRINT #1:GMODE$;CHR$(000);CHR$(000);CHR$(000);CHR$(001);CHR$(003);CHR$(007);
CHR$(255);CHR$(255);
220 PRINT #1:CHR$(255);CHR$(255);CHR$(007);CHR$(003);CHR$(001);CHR$(000);CHR$(00
0);CHR$(000);
230 PRINT #1:CHR$(000);CHR$(001);CHR$(255);CHR$(255);CHR$(255);CHR$(255);CHR$(25
5);CHR$(001): :
240 IF G$="K" THEN 280
250 IF G$="L" THEN 290
?60 IF G$="Y" THEN 300
270 IF G$="Z" THEN STOP
280 G$="L" :: GOTO 140
290 G$="Y" :: GOTO 140
300 G$="Z" :: GOTO 140
```


****
* FOR SALE one NEC SpinWriter Letter Quality *
* printer with sheet feeder manuals, and the *
* serial cable. $150. COMMERCIAL QUALITY! *
* ALSO FOR SALE one DECwriterIII LS120-HE, a *
* 120 cps serial KSR (with keyboard) and spare*
* parts. $125. Call evenings (412) 373-9085 * ML
****

12.5 VOLT CONVERSION FOR MECHATRONICS EPROMER

Back in June I received my Mechatronics Eprom Burner. Reading the directions, I noticed that it burns in 21 and 25 volt eproms. Going through my junk box I found some 2764 12.5 volt eproms. Looking through Jameco and other electronics publications I found that most 8K and 16K (2764 or 27128) eproms are designed for 12.5 volt burn in voltage. 21 volt eproms are available but harder to find. I then decided to see how the Mechatronics Epromer got it's 21 and 5 volts and if I could add a 12.5 volt circuit.

The epromer uses a 7805 voltage regulator to produce the 21 and 25 volts. The 7805 is a 5 volt regulator but can be used as variable regulator by controlling it's ground leg. With the ground (center) leg at 20.4 volts it outputs 25.5 volts, with it at 16.2 volts it outputs 21.2 volts. It does this through a series of Zener Diodes. An 11, 4.7 and 4.3 volt diode are used with a lead between the 4.7 and 4.3 to change the voltage. By grounding this lead you get 21 volts, by pulling it up to 5 volts you get 25 volts. This lead is software controlled. By trial and error I found that disconnecting the ground lead and applying a 7.8 voltage I got 12.7 volts output. Experamenting with Zener diodes I found an 8.2 volt Zener gave me 13.2 and by adding an LE D and an 1800 ohm resistor in series with the diode, I got 12.7 volts output.

The last trick was adding a switch with the center lead to the regulator and the outer leads, one to the original diodes and the other to the diode LED combination. I used a miniature SPDT switch and an LED same size as the ones on the board mounted in front between the ZIP socket and the power plug. Any convenient location will do.

Testing went fine, when in 12.5 volt mode the LED is illuminated, it doesn't matter what voltage you tell the software you are using, if the switch says 12.5 you are in 12.5 mode and if not in 12.5 mode, the software takes over for 21 or 25 volt mode.

I'm including some drawings with this article to show locations and where I cut the trace, also locating where I added my components.

ANY QUESTIONS PLEASE CONTACT:
Jack Zawediuk
719 N. 12th St.
Allentown, PA 18102
(215) 821-1043

******* NOTICE *******

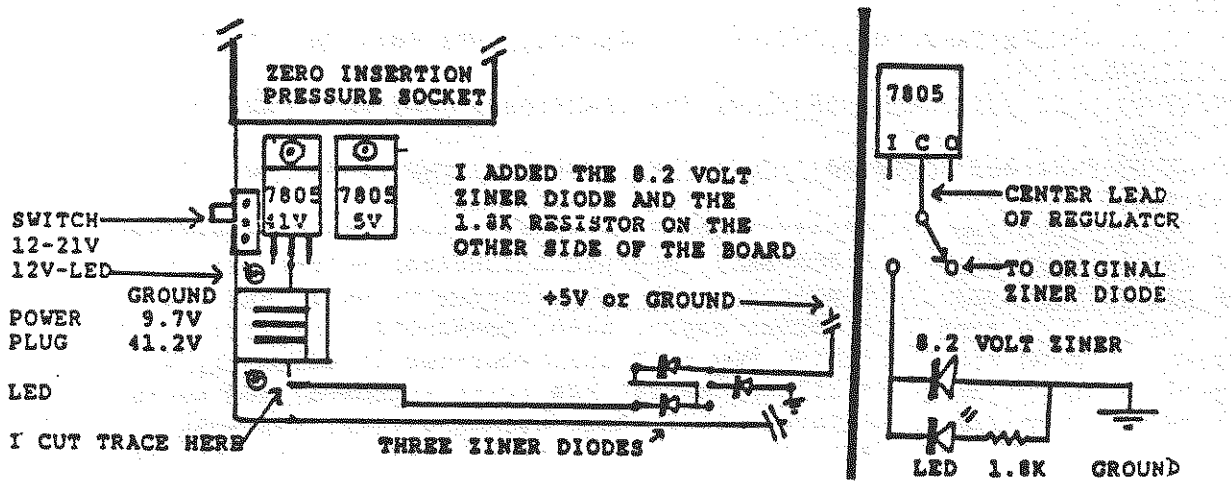
THE LEHIGH 99'ER USER GROUP OR I ARE NOT RESPONSIBLE FOR ANY DAMAGES THAT MAY BE CAUSED BY YOUR ATTEMPT TO DO INCORPORATE THESE CHANGES. CAUTION!!

---------- PARTS ----------

ONE EACH OF THE FOLLOWING:

8.2 VOLT ZENER DIODE
1.8K 1/4 WATT RESISTOR
LIGHT EMITTING DIODE (LED)
S.P.D.T. SWITCH

****
* THANKS JACK FOR THIS ARTICLE. MANY*
* HAVE RECENTLY ACQUIRED THIS DEVICE*
****



ATTENTION

ALL WEST PENN 99ERS

THERE WILL BE A VERY SPECIAL SALE TAKING PLACE DURING THE REGULAR WEST PENN MEETING ON FEBRUARY 20, 1980

ALL CLUB MEMBERS WILL BE GIVEN AN EQUAL OPPORTUNITY
***** NO ADVANCE SALES *****

THE FOLLOWING IS A LIST OF ALL ITEMS TO BE SOLD

TI 40 COLUMN MONITOR	$100
EMPTY P-BOX	$ 75
DISK DRIVE WITH POWER	$ 60
DISK CONTROLLER CARD	$ 50
DISK DRIVE (NO POWER)	$ 25
BLACK/SILVER CONSOLE	$ 25
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SPEECH SYNTHESIZER	$ 20
EDITOR ASSEMBLER PKG	$ 10
MULTIPLAN PACKAGE	$ 10
TI WRITER PACKAGE	$ 10
OTHELLO MODULE	$ 5
TEII MODULE	$ 5
P-BOX DIAGNOSTIC MANUAL	$ 4
TI JOYSTICKS	$ 3
MOONMINE MODULE	$ 3
PARSEC MODULE	$ 3
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TAX INVESTMENT MODULE	$ 3
CASSETTE CABLE	$ 2
MUNCHMAN MODULE	$ 1
TI INVADERS MODULE	$ 1

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The *Asgard Mouse*, by Michael Maksimik, is a high-quality, solidly-constructed 3-button mouse compatible with both the TI-99/4A and the Myarc Geneve 9640. Easy to install, this mouse is a must for the next generation of TI and Geneve software. This capable critter includes software for using it with *TI-Artist* and *TI-Artist Plus*, and for interfacing it to your Extended BASIC and Assembly programs. Comparable to mouse systems costing twice as much! Requires disk system, 32K and RS232. Fully guaranteed and warranted. Get yours today!

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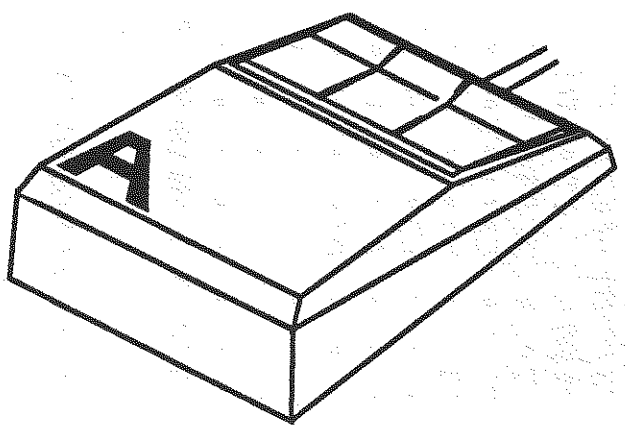

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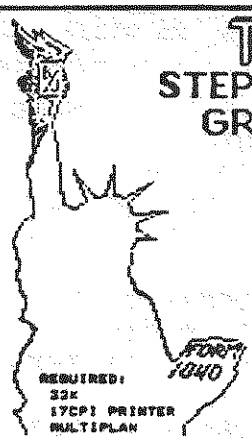

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SHORTFORMS — $20

FORM1040S2	Income Tax Return For Single Filers w/no Dependents
FORM1040p1	US Individual Income Tax Return (Short Form, page 1)
FORM1040p2	(Short Form, page 2)
(Incl Schedules X,Y,&Z)	(These Schedules are an integral part of Form1040p2)
SCHEDULEis1	Interest, Dividends, Child & Dependent Care (Page 1)
SCHEDULEis2	(Page 2)
FLOWCHART	(Hints for effective order/Short Form processing)
INITIAL	(File for common data, avoids repeat entries)
INPUT2	(File for entering info on dependents)
PRINT17	(Printer setup routine)
REBATES	(Form to register for rebates)
USER MANUAL	(Easy reading, covers Short forms)
WARRANTY	

LONGFORMS — $10

FORM1040p1	US Individual Income Tax Return (Page 1)
FORM1040p2	(Page 2)
(Incl Schedules X,Y,&Z)	(These Schedules are an integral part of Form1040p2)
FLOWCHART	(Hints for effective order/Long Form processing)
INITIAL	(File for common data, avoids repeat entries)
INPUT2	(File for entering info on dependents)
PRINT17	(Printer setup routine)
REBATES	(Form to register for rebates)
USER MANUAL	(Easy reading, covers ALL TI-Tax forms)
WARRANTY	

USUALFORMS — $12.50

FORM2106p1	Employee Business Expenses (Page 1)
FORM2106p2	(Page 2)
FORM2119	Sale of Your Home
FORM2441	Child and Dependent Care Expenses
FORM3903	Moving Expenses
FORM8606	IRA Contributions, IRA Basis, and Distributions
FORM8829	Employee Withholding Allowance Certificate

Write for output samples !

SCHEDULES1 — $12.50

SCHEDULEA	Itemized Deductions
SCHEDULEB	Interest and Dividend Income
SCHEDULEC	Profit or Loss from Business
SCHEDULED1	Capital Gains and Losses (Page 1)
SCHEDULED2	(Page 2)
SCHEDULEDis1	Continuation Sheet for Schedule D (Page 1)
SCHEDULEDis2	(Page 2)

SCHEDULES2 — $12.50

SCHEDULEE1	Supplemental Income and Loss (Page 1)
SCHEDULEE2	(Page 2)
SCHEDULEF1	Farm Income and Expenses (Page 1)
SCHEDULEF2	(Page 2)
SCHEDULER	Credit for the Elderly or the Disabled
SCHEDULESE	Social Security Self-Employment Tax

MOREFORMS1 — $12.50

FORM1040I	Annotated U.S. Individual Income Tax Return
FORM2210p1	Underpayment of Estimated Tax (Page 1)
FORM2210p2	(Page 2)
FORM3468p1	Computation of Investment Credit (Page 1)
FORM3468p2	(Page 2)
FORM3800	General Business Credit

MOREFORMS2 — $12.50

FORM4562p1	Depreciation and Amortization (Page 1)
FORM4562p2	(Page 2)
FORM4952	Investment Interest Expense Deduction
FORM4972p1	Tax on Lump-Sum Distributions (Page 1)
FORM4972p2	(Page 2)
FORM6198	At Risk Limitations
FORM6251	Alternative Minimum Tax — Individuals

MOREFORMS3 — $12.50

FORM8271	Investor Report of Tax Shelter Registration Number
FORM8582	Passive Activity Loss Limitations
FORM8582CR	Passive Activity Credit Limitations
FORM8586	Low-Income Housing Credit
FORM8615	Tax for Children Under Age 14 with Income Over $1000
FORM8814	Parent Election to Report Child's Interest/Dividends

Dear Classic Computer Enthusiast:

We understand that the last dominion for classic computer information has been discontinued. It is our intention to pick up coverage for this well represented segment of the market, effective immediately.

Computer Buyer's Guide will provide, monthly columns dedicated to the specific issues and products of classic computer owners. Because this announcement affects so many User Group Members and Bulletin Board Users, we thought it appropriate to contact you through your organization.

As you already know, we have continually supported these groups through our monthly publishing of FOG International's Listings. We fully intend to provide coverage equal to the interest developed from this undertaking.

If for any reason you require additional information or merely want to share ideas and interests, please contact me directly. We are confident that the editorial direction of *Computer Buyer's Guide* will meet the needs of your members.

Respectfully,

Douglas E. Kilarski
Editor-In-Chief

The following program is by JACK SUGHRUE, Box 459, E. Douglas, MA 01516 and is his version of WORD SAFARI. This program written in XBASIC has many advantages.

WORD HUNT

```
100 @=1 :: CALL CLEAR :: DIM
 A$(728),A(7),B$(25)
110 C$="0" :: FOR B=@ TO 8 :
: CALL COLOR(B,2,13)
120 NEXT B :: CALL CHAR(96,"
0"):: GOSUB 200 :: PRINT "
WORD HUNT PUZZLE ": : : : :
: : : : : : :: PRINT "  ^^^s
trike^^^any^^^key^^^" :: GOS
UB 750
130 GOSUB 200 :: PRINT " WOR
D HUNT PUZZLE  ": : :: PRINT
 : :" CHOOSE" :: PRINT :"
1  SETUP (CHOOSE FIRST)" ::
PRINT :"   2  INPUT PUZZLE"
140 PRINT :"   3  OUTPUT LIS
T"
150 PRINT :"   4  OUTPUT ANS
WER" :: PRINT :"   5  QUIT":
 : : : :
160 GOSUB 750 :: IF C<49 THE
N 160
170 IF C>53 THEN 160
180 ON C-48 GOSUB 770,230,97
0,870,190 :: GOTO 130
190 CALL CLEAR :: STOP
200 CALL CLEAR :: CALL SCREE
N(11):: CALL VCHAR(@,@,96,48
):: CALL VCHAR(@,31,96,48)::
 FOR D=@ TO 8
210 CALL SOUND(-999,VAL(SEG$
("26226229433034939244049452
358765969878 4",INT(12*RND+@)
*3-2,3)),0,VAL(SEG$("1311751
96",INT(3*RND+@)*3-2,3)),5)
220 NEXT D :: RETURN
230 GOSUB 200 :: PRINT " CHO
OSE " :: PRINT :"   1     10
X10 PUZZLE" :: PRINT :"   2
    20X20 PUZZLE" :: PRINT :
"   3     25X25 PUZZLE": : :
 : : : : : : : :
240 GOSUB 750 :: IF C<49 THE
N 240
250 IF C>51 THEN 240
260 E=(C-48)*10-5*INT(C/51):
: GOSUB 200 :: F=@ :: G=@ ::
 H=@ :: IF I=0 THEN 280
270 INPUT " TITLE OF PUZZLE?
 ":D$ :: INPUT " HOW MANY CO
PIES? ":F
280 INPUT " HOW MANY WORDS?
":J :: IF J<26 THEN 300
290 PRINT "SORRY: 25-WORD MA
XIMUM." :: GOTO 280
300 FOR B=0 TO J-@
310 INPUT " WORD "&STR$(B+@)
&" ? ":B$(B):: IF LEN(B$(B))
>2 THEN 330
320 PRINT "SORRY: 3-LETTER M
INIMUM." :: GOTO 310
330 IF LEN(B$(B))<11 THEN 35
0
340 PRINT "SORRY: 10-LETTER
MAXIMUM." :: GOTO 310
350 NEXT B
360 INPUT "ANY CHANGES? (Y/N
) ":E$ :: IF E$<>"Y" THEN 39
0
370 INPUT "WHICH NUMBER? ":B
380 INPUT "MAKE CORRECTION?"
:B$(B-@):: GOTO 360
390 GOSUB 200 :: PRINT : : :
"          THINKING..." :: A(
0)=@ :: A(4)=-@ :: A(@)=E+@
:: A(5)=-A(@):: A(2)=A(@)+@
:: A(6)=-A(2):: A(3)=A(2)+@
:: A(7)=-A(3):: B=E+3
400 K=(E+2)^2-@-B :: FOR L=B
 TO K :: A$(L)="  "
410 NEXT L :: M=E+2 :: K=M*M
-M :: FOR B=0 TO K STEP M ::
 A$(B)="**" :: A$(B+E+@)="**
" :: A$(B/M)="**" :: A$(K+B/
M)="**"
420 NEXT B :: K=0 :: FOR N=0
 TO J-@ :: D=0
430 D=D+@ :: E$=STR$(D)&" "
:: CALL HCHAR(23,25,ASC(E$))
:: CALL HCHAR(23,26,ASC(SEG$
(E$,2,@))):: IF D<76 THEN 49
0
440 J=N :: GOSUB 200 :: PRIN
T "SORRY: CAN ONLY SQUEEZE I
N";STR$(J);" WORDS.": : : :
: :: PRINT " CHOOSE" :: PRIN
T :"   1    USE ";STR$(J):"P
RESENT LIST." :: PRINT :"
2    BEGIN AGAIN": : : : : :
 : : : : :
450 GOSUB 750 :: IF C<>49 TH
EN 470
460 GOSUB 200 :: PRINT "
     THINKING...": : : : : :
 : : : : : :: GOTO 620
470 IF C=50 THEN 740
480 GOTO 450
490 B=INT(((E+2)^2-E)*RND)+E
 :: IF A$(B)<>"  " THEN 430
500 FOR O=0 TO 7
510 IF K<8 THEN 530
```

```
520 K=0
530 L=B+A(K):: FOR P=2 TO LE
N(B$(N)):: IF L<E+2 THEN 570
540 IF A$(L)<>"  " THEN 570
550 L=L+A(K)
560 NEXT P :: GOTO 590
570 K=K+1@
580 NEXT O :: GOTO 430
590 L=B :: FOR P=0 TO LEN(B$
(N)):: A$(L)=SEG$(B$(N),P,1@)
:: A$(L)=A$(L)&A$(L):: L=L+A
(K)
600 NEXT P :: K=K+1@
610 NEXT N
620 FOR B=0 TO (E+2)^2-1@ ::
IF A$(B)<>"  " THEN 640
630 A$(B)=CHR$(INT(26*RND)+6
5)&" "
640 NEXT B :: GOSUB 200 :: I
F I=0 THEN 660
650 PRINT " P R I N T I N G"
660 FOR M=1@ TO F :: IF I=0 T
HEN 680
670 PRINT #I:CHR$(27)&CHR$(8
7)&CHR$(1@):  :  :"      ";D$;"
    ^^^^^^^^^^^^";
680 FOR B=0 TO E+1@ :: PRINT
#I:CHR$(27)&CHR$(87)&CHR$(1@)
:"   ";:: FOR K=B*(E+2)TO (B
+1@)*(E+2)-1@ :: PRINT #I:SEG$
(A$(K),1@,1@);
690 NEXT K
700 NEXT B
710 NEXT M :: IF I<>0 THEN 7
30
720 PRINT :"       PRESS ANY
 KEY";:: GOSUB 750
730 PRINT #I:CHR$(27)&CHR$(8
7)&CHR$(1@):  :  :
740 RETURN
750 CALL KEY(0,C,Q):: IF Q<=
0 THEN 750
760 RETURN
770 GOSUB 200 :: PRINT " CHO
OSE" :: PRINT :"   1   SCREE
N" :: PRINT :"   2   PARALLE
L PRINTER" :: PRINT :"   3
 OTHER":  :  :  :  :  :  :  :  :
  :  :  :  :
780 GOSUB 750 :: IF C<49 THE
N 780
790 IF C>51 THEN 780
800 I=0 :: IF C=49 THEN 860
810 I=1@ :: F$="PIO" :: IF C=
50 THEN 830
820 INPUT " DEVICE ? ";F$
830 IF C$="0" THEN 850
840 CLOSE #1@
850 OPEN #1@:F$,OUTPUT :: C$=
"1"
860 RETURN
870 GOSUB 200 :: IF I=0 THEN
 890
880 INPUT "HOW MANY COPIES?
":G :: PRINT  :  :  :"PRINTING
ANSWERS."
890 FOR M=1@ TO G :: IF I=0 T
HEN 910
900 PRINT #I:  :  :  :"      "ED
$;"      ^^^^^^^^^^^^";
910 FOR B=0 TO E+1@ :: PRINT
#I:  :"    ";:: FOR K=B*(E+2)T
O (B+1@)*(E+2)-1@ :: PRINT #I:
SEG$(A$(K),2,1@);
920 NEXT K
930 NEXT B
940 NEXT M :: IF I<>0 THEN 9
60
950 PRINT :"       PRESS ANY
 KEY";:: GOSUB 750
960 PRINT #I:  :  :  :: RETUR
N
970 GOSUB 200 :: IF I=0 THEN
 990
980 INPUT "HOW MANY COPIES?
":H :: PRINT  :  :"PRINTING
LIST."
990 FOR M=1@ TO H :: IF I=0 T
HEN 1010
1000 PRINT #I:  :  :  :"      ";
D$;"      ^^^^^^^^^^^^";  :
1010 FOR B=0 TO J-1@ :: PRINT
 #I:"      ";B$(B)
1020 NEXT B :: PRINT #I:  :  :
 :
1030 NEXT M :: IF I<>0 THEN
1050
1040 PRINT "       PRESS ANY
 KEY";:: GOSUB 750
1050 RETURN
```

TAX TIME.....

BILL CHAVANNE author of TI TAX will be at the February meeting of the Pittsburgh Users Group. He will do a class on "BEGINNING MULTI-PLAN" from 4 to 5 PM, followed by a class on "ADVANCED TECNIQUES" from 5-6 PM as well as presenting a demo using his templates for doing your taxes during the regular meeting. All of the West Penn 99'ers are invited to attend. FEBRUARY 18th at any of the times listed above. Software will available. Come! Learn! Enjoy!

SOME NEW ITEMS FOR THE T.I....(thanks to K.C. 99'ers).....

MODULE LIBRARY BOX.... Allows full use of the 99/4A's REVIEW MODULE LIBRARY option. You can plug in ANY eight modules into the box, and call them from the module selection screen, as well as being able to do CALLS from any module to any module. Handy if you would like the Speech in TE-II to work in the Xbasic programs. No switches or connector wear to worry about. Available from: OASIS PENSIVE ABACUTORS, Gary Bowser, 432 Jarvis Street, Suite 502, Toronto, Ontario, CANADA M4Y 2H3 or call (416) 960-0925. Cost $100. (U.S.A. funds).

MIDI INTERFACE FOR 99/4....The rumor that I mentioned a couple months ago, is about a month away from fruition. Asgard Software will market the MIDI package developed by Mike Maksimik of the Chicago Users Group. The product will use the RS232 card in your system and via a special cable interface to your keyboard and it's MIDI port, enable your TI to sing "beautiful music". The package will contain special software which will drive a port on your RS232 card to match the MIDI protocol frequency as well as provide the required handshaking. The software will enable easy encoding of the music for playing through your Casio, Yamaha, or other MIDI standard keyboard. It's really coming!

CLASSICAL MUSIC DISKS.... Classical music in assembly that doesn't sound like computer music. Very realistic. Each disk in the set has about 30 minutes of music and a written commentary about the author and his music - $5.00 per disk for the main set of 9 disks. There are two BACH disks at $8.00 each with over an hour of music each. ($16. per set of two). Contact: HARRISON SOFTWARE, 5705 40th Place, Hyattsville, MD 20781 or call: (301) 277-3467.

INFOCOM ADVENTURES.... Seven previously un-released Infocom adventures that have been converted from PC format to the TI-99/4A by Barry Boone are available from: ASGARD SOFTWARE, P.O. Box 10306, Rockville, MD 20849 (703)255-3085 for $14.95 + 2.50 S/H each.

WEST PENN 99'ERS

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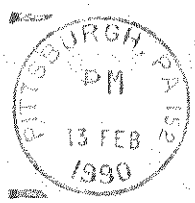

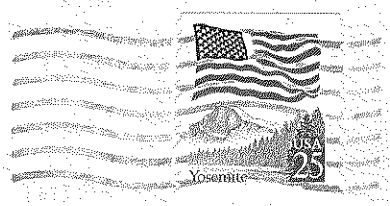

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