THE PUGET SOUND 99'ERS
DECEMBER 84 VOL 3 No 4

OFFICERS

PRESIDENT: RALPH DEVIN   VICE PRESIDENT: CHUCK WYNNE
SECRETARY: RICHARD MARTIN   TREASURER: RON STONE
NEWSLETTER EDITOR: V.V.RAMAYYA   LIBRARIAN: JOHN UELAND

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DECEMBER MEETING

DATE: THURSDAY, December 20   TIME: 7 PM

PLACE: Bellevue Public Library, 11501 Main Street, Bellevue

PROGRAM: * Receive ballots from members
                * Discuss BBS development plans
                * Programming hints from Chuck Wynne
                * Special Interest Group Sessions

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JANUARY MEETING

DATE: THURSDAY, January 24   TIME: 7 PM

PLACE: Shoreline Public Library, 345 NE 175th, Seattle

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FEBRUARY MEETING

DATE: THURSDAY, February 21   TIME: 7 PM

PLACE: Bellevue Public Library, 11501 Main Street, Bellevue

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 *      MERRY  CHRISTMAS  AND                                            *
 *       HAPPY  HOLIDAYS                                                 *
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The only position with more than one nominee is President. Please fill out ballot and bring to December meeting, or mail by Christmas. There will be no additional ballots available, the newsletter mail-list will be our control of who is eligible to vote. Results will be announced in the next newsletter and at the January meeting. The following are statements from the two Presidential candidates.

MIKE MOORE. Age 48. Occupation: Construction Superintendent. Residence: Snoqualmie
    REASON FOR RUNNING: I volunteered to be nominated for the position because the club had a vacancy that needs to be filled. In order to insure that the club stays operating in high gear I will help in any way possible. The meetings and newsletters have been very helpful to me and I want this to continue.
    SOME IDEAS FOR THE FUTURE: The newsletter might be able to have a question and answer section. Members could submit written questions and answers could be published for all to read.   We may be able to include a few recommendations for books that should be in our libraries. I would really like to see some kind of "Big Brother" system established in our group.   Many of us would benefit greatly if we had a list of volunteers that would try to answer questions right now. THere could be a phone list published . . . maybe the specialty of the listed person could be noted. The suggestion has been made that we might be able to set up a club BBS: I would vigorously support such an operation.
    WHAT HAVE I GOT TO OFFER: Enthusiasm, organization, dependability and the ability to run meetings is what I offer. I am not a computer expert . . . yet!! I will do my best to help the club in every way possible.

FROM JOHN MUSSELMAN: Since most of the members know little or nothing about the candidates for president, permit me to introduce myself.
    My background includes 13 years on the board of Northeast Little League, three of which I served as president. During my term as president we increased the number of players involved in the program from about 200 to about 650. We started a girls softball league and instituted a program of hiring and training high school students as umpires. After retiring as president, I spent two years on the district board conducting tournaments and serving as an administrative consultant to the leagues in the district.
    I have been working for A.T.&T. for 22 years, much of which was spent testing electro-mechanical and electronic equipment. My home computer experience is considerably less extensive. I have had my T.I. for only about a year. My main interest is in programming.
    Among the things I would like to see accomplished in the next year are: establishment of special interest groups, establishment of a list of resource people within the group to assist members and committees to assist the board carry out their functions. I feel this group would serve the needs of its members much more effectively with increased member participation.

See us at the computer fair on Tuesday Dec 18th at 0830 pm
Channel 29 Viacom, Seacom or Group W.

Try 885-INFO for news.

$100.00 MPY System with 3 games. See Barbara Wiederhold. Security Bus. Mach.

NOVEMBER MEETING

Minutes -- Richard Martin, Secretary

Ralph Devin, club president, started the meeting by opening the nominations for next year's new officers. V.V. Ramayya, nominated last month for newsletter editor, declined his nomination. John Musselman was nominated for President. There were no more nominations so nominations were officially closed.

Ron Stone, club treasurer, gave the treasurer's report. The balance in the club checking account is a little less than $1800. This money will help the club get a BBS going, as well as defray the normal operating expenses of the club.

Chuck Wynne, club vice-president, talked about a Bulletin Board System and introduced several dealers that sell hardware, peripherals, and software in and around the Seattle area. The dealers are as follows:

Bits & Chips
933 N. 182nd St
Seattle, WA 98136
(206)542-1636
Mon.-Fri. 10-7
Sat. 10-6

McDonald Computers
8055 38th Ave. N.E.
Seattle, WA 98115
(206)525-1981

Security Business Machines
No. 5 Securities Bldg.
Seattle, WA 98101
(206)283-0953
(206)622-9393

The Human Connection
Suite G
18609 76 Ave. W.
Lynnwood, WA 98036
(206)778-8501

Please support these dealers, their prices are competetive and they give that personal service that is so hard to find these days.

Chuck next talked about fixing the FEB 12 volt regulator that tends to go out and an easy way to flip the ribbon for the T.I. printer using an electric drill. Chuck then offered some free handouts of the memory map and an assembly language program for the 99/4A, also a handout on a downloading program divider.

Galen Barbie gave a demonstration on how to start up the PASCAL system and how to format a disk using Pascal. He also answered many questions regarding Pascal.

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LIBRARY TRADING RULES

We trade 1 PRERECORDED DISK or TAPE for 1 program that we don't have in the library. The prerecorded disk or tape contains the programs as listed under each category. These selected packages of programs are also available for $5 on tape, $6 on disk. We keep the disk or tape you give us your program on.

The program submitted must NOT be copywrited, and the submitted program must be found acceptable by one of the officers. We will accept programs that have been published in magazines if we don't have them in the library but they must work.

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PEEKS AND POKES

The following is a list of PEEKS AND POKES (CALL LOAD) that can be used with EXTENDED BASIC and MEMORY EXPANSION . Examples of using these commands are as follows :

```
CALL INIT
CALL PEEK(2,X,Y)            This retrieves values X and Y
CALL LOAD(-31804,X,Y)       This pokes X and Y values into memory.
```

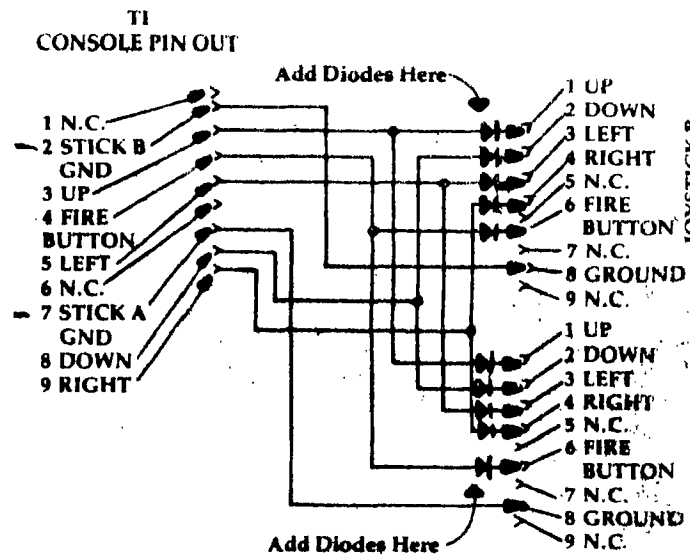| ADDRESS	PARAMETERS	DESCRIPTION (EXTENDED BASIC)
2	PEEK X,Y	Returns values for POKE(-3180,0,16)
-28672	PEEK 0 OR 96	=0 SPEECH not available =96 SPEECH available
-31744	POKE 0-15	CONTINUE LAST SOUND 0=LOUDEST 15=QUIETEST -31748 ;
-31748	POKE 0-255	RATE of FLASH of CUSOR and SOUND tone rates
-31788	POKE 160	BLANK screen when next key is hit
-31788	POKE 192	DISABLE SPRITE motion and automatic SOUND
-31788	POKE 224	NORMAL SPRITE motion and SOUND
-31788	POKE 225	MAGNIFIED SPRITES
-31788	POKE 226	DOUBLE sized SPRITES
-31788	POKE 227	MAGNIFIED AND DOUBLE sized SPRITES
-31788	POKE 232	MULTICOLOR MODE in 48 by 64 squares
-31794	PEEK 0-255	CALL SOUND TIMER values fom 0 to 255 counts
-31804	POKE X,Y	Returns to TITLE SCREEN with values returned from CALL PEEK(2,X,Y) X=0 Y=16 works.
-31806	POKE 0	Resets to normal the followin POKES at -31806
-31806	POKE 16	Disable QUIT key interupt (Function =)
-31806	POKE 32	Disable SOUND
-31806	POKE -32	Continuous SOUND
-31806	POKE 64	Disable SPRITE motion
-31806	POKE 128	Disable QUIT key,SOUND,SPRITE motion
-31808	PEEK X,Y	Two random numbers returned after RANDOMIZE is used.
-31860	POKE 4	Will go to CONSULE BASIC after NEW is typed
-31860	POKE 8	Automatic run of DSK1.LOAD
-31866	PEEK X,Y	Returns the address of END OF CPU PROGRAM as X6+Y
-31868	POKE 0	Enables BREAK (Function 4)
-31873	POKE 3-30	Column on screen to start PRINT
-31877	PEEK X	X32= SPRITE coincidence X64= Five sprites in line
-31878	PEEK X POKE 0	Highest numbered SPRITE in motion (0 all SPRITES stoped) POKE 0 Stops motion.
-31879	PEEK X	Timer for VDP INERUPTS every 1/60 sec (0-255)
-31880	PEEK X	Random number (0-99) after using RANDOMIZE
-31884	POKE 0-5	Change KEYBOARD MODE as in CALL KEY
-31888	POKE 63,255	Disable DISK DRIVE then type NEW to free memory
-31888	POKE 55,215	Enable DISK DRIVE then type NEW to get buffers
-31931	POKE 0	UNPROTECT extended BASIC program
-31931	POKE 2	Set command "ON WARNING NEXT"
-31931	POKE 4	Set command "ON WARNING STOP"
-31931	POKE 16	Set command "TRACE"
-31931	POKE 64	Set command "ON BREAK NEXT"
-31931	POKE 128	PROTECT extended BASIC program
-31962	POKE 32	Return to TITLE screen
-31962	POKE 255	Run DSK1.LOAD
-31974	PEEK X,Y	Returns end of VDP stack address as X * 256 + Y

Here is a program to check out your joysticks. It also tells you the pins that it is using to perform the task. It could be helpful in modifying existing joysticks from other games. I used it to modify some Odyssey paddles. With diodes in them they will work independent of each other. You may want to modify this program and plug your house into it (window, door switches, motion detector, etc). Add sound, graphics and have the most sophisticated burgular alarm in town.

From the disk of Tom and Chuck Wynne.

```
100 CALL SCREEN(3)
110 CALL CLEAR
120 DISPLAY AT(24,5):"RELEASE ALPHA LOCK KEY" :: DISPLAY AT(1,5):"JOYSTICK CHECK
 PROGRAM"
130 DISPLAY AT(3,21):"PINS" :: DISPLAY AT(4,20):"SHORTED"
140 DISPLAY AT(5,1):"CALL KEY(1,V, W)" :: DISPLAY AT(14,1):"CALL KEY(2,X, Y)"
150 CALL JOYST(1,K,Y)
160 CALL JOYST(2,V,W)
170 CALL KEY(1,KK,SS)
180 IF KK=18 THEN DISPLAY AT(6,20):"***FIRE***";TAB(20);"7 AND 4" ELSE DISPLAY AT(
6,20):"     "
190 CALL KEY(2,LL,MM)
200 IF LL=18 THEN DISPLAY AT(15,20):"***FIRE***";TAB(20);"2 AND 4" ELSE DISPLAY AT
(15,20):"     "
210 IF K=0 AND Y=4 THEN A$="UP      (16SP)     7 AND 3"
220 IF V=0 AND W=4 THEN B$="UP                 2 AND 3"
230 IF K=4 AND Y=4 THEN A$="UP RIGHT  (10SP)   7,3 AND 9"
240 IF V=4 AND W=4 THEN B$="UP RIGHT           2,3 AND 9"
250 IF K=4 AND Y=0 THEN A$="RIGHT   (13SP)     7 AND 9"
260 IF V=4 AND W=0 THEN B$="RIGHT              2 AND 9"
270 IF K=4 AND Y=-4 THEN A$="DOWN RIGHT (8SP)  7,8 AND 9"
280 IF V=4 AND W=-4 THEN B$="DOWN RIGHT        2,8 AND 9"
290 IF K=0 AND Y=-4 THEN A$="DOWN              7 AND 8"
300 IF V=0 AND W=-4 THEN B$="DOWN    (14SP)    2 AND 8"
310 IF K=-4 AND Y=-4 THEN A$="DOWN LEFT   (9SP)  7,5 AND 8"
320 IF V=-4 AND W=-4 THEN B$="DOWN LEFT          2,5 AND 8"
330 IF K=-4 AND Y=0 THEN A$="LEFT   (14SP)     7 AND 5"
340 IF V=-4 AND W=0 THEN B$="LEFT              2 AND 5"
350 IF K=-4 AND Y=4 THEN A$="UP LEFT   (11SP)  7,3 AND 5"
360 IF V=-4 AND W=4 THEN B$="UP LEFT           2,3 AND 5"
370 IF V=0 AND W=0 THEN B$="CENTERED"
380 IF K=0 AND Y=0 THEN A$="CENTERED"
390 DISPLAY AT(6,1):"JOY 1=    ";K;Y
400 DISPLAY AT(15,1):"JOY 2=    ";V;W
410 DISPLAY AT(7,2):A$
420 DISPLAY AT(16,2):B$
430 GOTO 150
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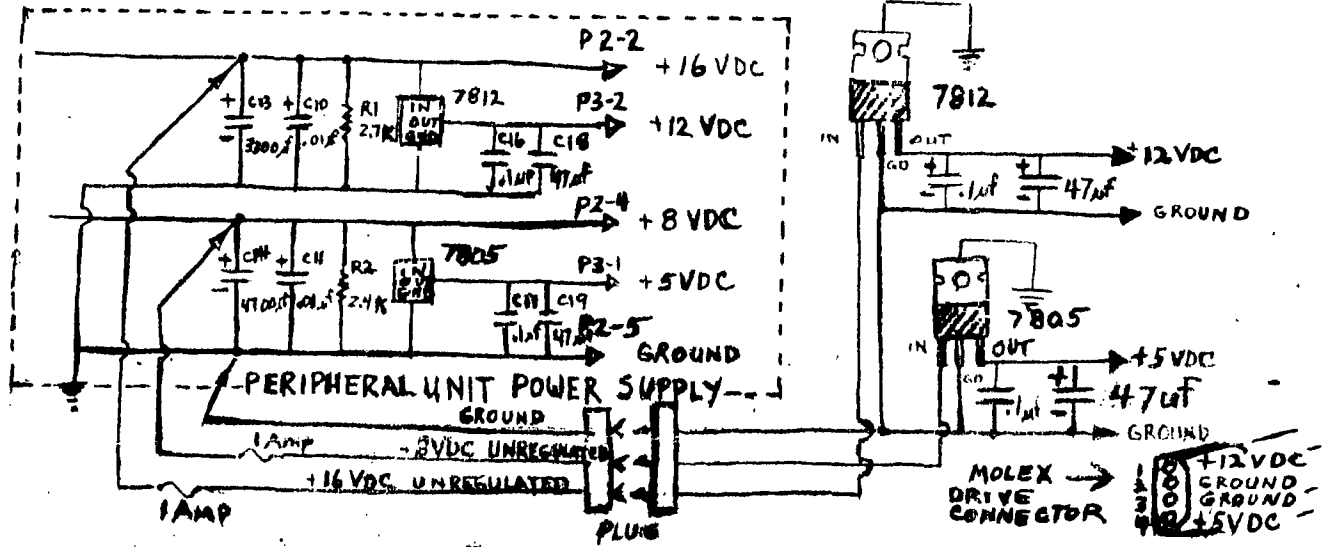
TI
CONSOLE PIN OUT

Add Diodes Here

1 N.C.
2 STICK B
GND
3 UP
4 FIRE
BUTTON
5 LEFT
6 N.C.
7 STICK A
GND
8 DOWN
9 RIGHT

1 UP
2 DOWN
3 LEFT
4 RIGHT
5 N.C.
6 FIRE
BUTTON
7 N.C.
8 GROUND
9 N.C.

1 UP
2 DOWN
3 LEFT
4 RIGHT
5 N.C.
6 FIRE
BUTTON
7 N.C.
8 GROUND
9 N.C.

JOYSTICK B

Add Diodes Here

Here is a circuit, courtesy of Bill and Anne Turner which will, when installed allow you to power an external disk drive off of the peripheral expansion box. They have used it and it works just fine. Some precautions. This will probably void any warranty you would have on the expansion box. Be sure and not short out the supply, and make sure you include the fuses. If the power supply encounters a short, it may blow the fuse located internally inside the transformer. Yes you read it right. In order to get to the fuse, you have to break the plastic surrounding the winding on the non wire side and replace the automobile type fuse inside. Make sure you put heat sinks on the current regulators as they will produce heat. If any of you encounter problems when you use this, please let us know at the meeting. Radio Shack should have the parts in stock.

Happy building Chuck Wynne

* EXTERNAL DD POWER @ $5.54 *

PARTS LIST

		R.S. Cat No.	
1ea	7812	276-1771	$1.59
1ea	7805	276-1770	1.59
2ea	.1uf cap.	272-1432	.49 ea
2ea	47uf cap.	272-1015	.69 ea

OPTIONAL PARTS

Plug m	274-224	$1.09 ea
Plug f	274-234	1.09 ea
Fuses 1A	270-1223	.99 pr
Hookup Wire	278-1303	2.19 (3 spools,3 colors)

For Sale!
MX70 Printer
Parallel with 10 foot
cable. $160.00
Phil Jordan 283-0953