WEST PENN 99ERS NEWS

Volume 10 Number 3   December 1994

FRONT PAGE NEWS

There will be NO DECEMBER meeting on December 20th, due to the fact that it will be so close to the Christmas holiday.

However, in lieu of our December meeting, Mickey and Mike Cendrowski will be having an Open Christmas Party - for all West Penn members and their guests.

This party will be on Saturday, December 17th at 7:00 P.M.

For those of you needing directions to Mickey and Mike's, you will find a map to their home on page 8 of this newsletter.

As a courtesy, Mickey and Mike request that you call them at 412-265-5201 if you plan on attending.

Although, there will be no formal meeting - I have it on very good authority that some of those in attendance may wish to talk about COMPUTERS - imagine that!

Hopefully, a good time will be had by all!

UNDER CONSTRUCTION

As many of you may notice, Our club newsletter is still under construction.

This past month I purchased Asgard Software's Page Pro Composer, from Ramcharged Computers.

Using this program, I can now put two Page Pro pages on a single page.

Thus, our newsletter, which is 5 pages, is actually 20 Page Pro pages.

That means getting more information into each newsletter that we produce.

This month I decided to concentrate on articles that would help many of our newcomers, (and some of our old timers) determine what programs are on their disks and how one goes about trying to access them.

This information should prove to be invaluable.

My appreciation to all of those authors who wrote the original articles.

HIGH GAME SCORES

As some of you may already know, my husband and I have been having alot of fun trying to beat those high game scores that are listed on page 9 of this newsletter.

One of the reasons we have been having so much fun is that we have also been competing with each other.
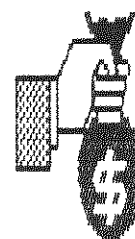
Just as soon as one of us has the "edge," the other becomes more determined than ever, to be the best.

This past month, Mike broke two of the National TI Game Scores, while yours truly, didn't break any, (although I did have alot of fun trying).

Needless to say, Mike and I are now trying to knock some other poor unsuspecting soul off the list.

Actually, it's all in having fun and using our computers, and that's what it's all about.
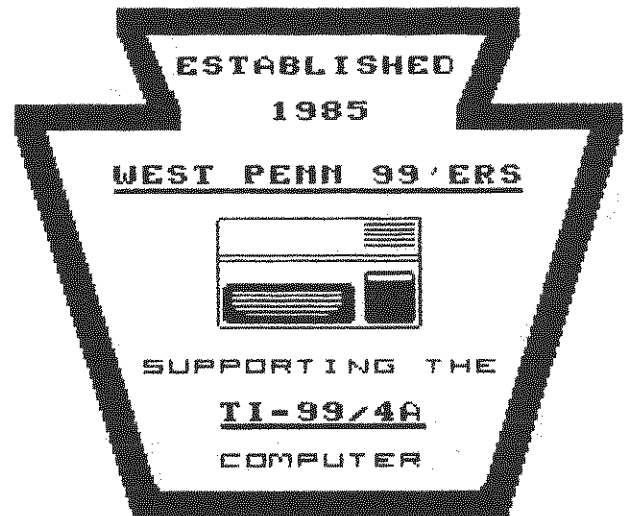
Congratulations Mike!

DUES ARE DUE

Please see Lynn Gardner, our West Penn 99'ers Treasurer, to renew your membership.

WEST PENN 99'ERS CLUB INFO

Next Meeting Date: January 17 1995

Meeting   Location: Penns Woods
                           Civic Association

                           Just off Route 30

                           N. Huntingdon, Pa

Time of Meeting: 7:00 P.M.

GENERAL ITINERARY OF OUR 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.	Page Pro 99 SIG
8:45 P.M.	One on One Help
8:45 P.M.	Socializing
10:30 P.M.	Doors Close

MEETING HIGHLIGHTS FOR THIS MONTH

Latest T.I. News - Software Discounts - And Show Reports

Latest News Concerning Our West Penn 99'ers Disk Library

A First-hand Look At How Our NEW Newsletter Is Being Done

Creating Cards For Any Occassion - Using Your TI-99/4A

Page Pro 99 SIG - Immediately Following The Main Meeting

LIST OF WEST PENN OFFICERS FOR 1995

President:	Mickey Cendrowski	412-265-5201
Vice-President:	Norm Rokke	614-264-6442
Treasurer:	Lynn Gardner	412-835-4304
Recording Secretary:	Paul Brock	412-478-2754
Corresponding Secretary:	Paul Brock	412-478-2754
Librarian:	John Whelan	412-823-3312
Newsletter Editor:	Mickey Cendrowski	412-265-5201
Assistant Editor:	Ralph Vasko	412-379-8762

ESTABLISHED
1985

WEST PENN 99'ERS

SUPPORTING THE

TI-99/4A

COMPUTER

The West Penn 99'ers Users Group is a Non-Profit organi-
zation, dedicated to encouraging the continued use of the
TI-99/4A home computer.

Our membership fee is:

* $15.00 per year for an INDIVIDUAL / FAMILY membership.
* $10.00 per year for a NEWSLETTER ONLY membership.

Those having FULL memberships are entitled to the many
extra benefits our club has to offer.

Some of those benefits are:

* Demos of the latest TI-99/4A software.
* Free copying of our West Penn 99'ers Disk Library.
* Latest T.I. news - Local - National - International.
* One on one help / Problem Solving.
* Participation in our Module Lending Library.
* Participation in our Video Lending Library.
* Ribbon re-inking - for just $1.00 per ribbon.
* Various computer supplies - at a substantial savings.

* Participation in our Coke / Pepsi Wars.
* And ... entertainment by one of the biggest TI-99/4A
  supporters around.

We meet the third Tuesday of each month at the Penns Woods
Civic Association in North Huntingdon, Pennsylvania, at
7:00 P.M.

If you can't make it to our meetings ... at least become a
NEWSLETTER member - and enjoy our NEW NEWSLETTER FORMAT -
done ENTIRELY on a TI-99/4A computer.

SEE PAGE 10 FOR OUR WEST PENN MEMBERSHIP APPLICATION.

FOR THE RECORD

MINUTES BY FRANK N. ZIC

The November 15, 1994 meeting of the West Penn 99'ers started early at 7:10 P.M. This was to allow more time for the election of officers and to specify the specific order for toppings on the Pizza. Mickey gave thanks to me for being Recording Secretary all these many years. It was truly my pleasure. The election nominees were: President-Mickey Cendrowski Vice-President - Norm Rokke Treasurer - Lynn Gardner; Recording and Corresponding Secretary - Paul Brock; and Librarian - John Whelan. Mickey Cendrowski and Ralph Vasko will be sharing the job of Newsletter Editor. Needless to say the slate was unanimously approved. The good thing about this is that the club will be in good hands for another campaign. Our newsletter will be continued in the coming year and exchanges are made with 40 TI clubs worldwide. Mickey will still be doing some experimenting with the format and contents of the newsletter. Don't forget that club dues are required by December 31, 1994.

Mickey reported that we lost a good club member from North Carolina when she was informed that L.F. (Mac) Jones recently passed away. His wife wrote a nice letter to the club which Mickey read. We are glad that Mac enjoyed our newsletter and this makes us feel that the effort of producing one is worthwhile. We all signed a sympathy card which will be sent to Mrs. Jones - May Mac rest in Peace.

Mickey and her husband, Mike, graciously invited the entire club to their home on December 17th at 7:00 P.M. in lieu of our December 20th meeting. The innovations never cease coming from Mickey's active mind, she's really someone special. A map to their place is included in this newsletter. As I mentioned, the meeting was short but we did have a nice surprise when both the November and December raffles were both held this night. I was fortunate enough to win a nice prize, a power and telephone surge protected distribution box. Other prizes were red and green disk cases and envelopes, a monitor accessories kit, a large box of computer paper, a book on Adventure games, a diskette travel case, and more computer paper. Very nice prizes.

Norm reported the following on the Chicago Faire: Bud Mills gave an update on the SCSI card; a new CYA Utility program for Geneve owners released; Mike Wright covered a broad range of subjects including the Music Maker by Bruce Harrison, PC99, use of simultaneous modules, De-Buggers and Emulators. Don Walden of Cecure has received over 300 phone calls for equipment repairs and questions. It's nice to see so much interest still out there. The #1 VCR tape of the 1994 Lima Faire is again available for distribution. We all want to wish Dick Ohi a fast and complete recovery from his recent surgery. I would now like to close with my now familiar...

"May the good 4's be with you".

Unfortunately this will be the last time I will be using this phrase in the newsletter since I will be, as they say, moving on to my lifes work. I have enjoyed very much being your Recording Secretary. I've made many life long friends and will think of you often.

God bless each and everyone.

WHO OWNS THE ZEBRA

Answers to last month's puzzle - the Norwegian drinks the water and the Japanese owns the zebra.

UPDATING THE MEMBERSHIP

The West Penn 99'ers would like to acknowledge the following members for renewing their memberships for the 1995 season...

Paul Brock Sr
Ed Mandich
Bill Vorp
John Vukman
John Whelan

In addition to those listed above, we've also added a NEW MEMBER.
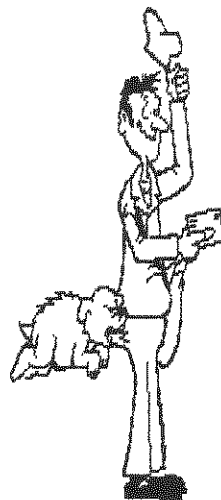
WELCOME...SKIP PARK!

THE PRESIDENT'S APPRECIATION

This month I would like to thank our Vice-President, Norm Rokke, for taking the time to purchase raffle prizes for our club when he was at the Chicago Faire on November 12, 1994.

In addition, I would also like to thank Norm for preparing for our monthly demo and for keeping us up-to-date with the Micropendium highlights.

Who says that the VP is just a figure-head?

Thanks for everything Norm!

FROM OUR MAILBOX

This month I received quite a bunch of mail from my fellow TI friends.

John Bull, from the K-town 99'ers mailed me a copy of his ALWIND program. Look for me to demo this at our January 17th meeting.

Skip Park sent me a disk of some of his original work. Look for me to demo this at our February 15th meeting.

Rick Kellogg, long time member of the Cin-Day User Group, sent me a letter on how he created some real nice Christmas cards, using his TI-99/4A computer.

Our very own member, Ed Mandich sent me a bunch of newsletter articles that he felt might benefit the membership.

And, last, but certainly not least, Ralph Rees, the newsletter editor of the Vast User Group sent me some disks and a letter explaining how he puts together his exceptional newsletter.

NEWS VIA MA BELL

Once again, I've had the pleasure of talking with Skip Park this month and I am happy to report that he is now a West Penn 99'ers member.

Closer to home, I received a call from Paul Brock, who is our 1995 Recording Secretary and Corresponding Secretary.

Paul has a suggestion on how our club might be able to sell some of our unwanted TI items, while possibly getting new people interested in our club.

Paul will talk about his suggestion at both the Christmas Party on December 17th and our next meeting on January 17th.

LIBRARY NEWS

John Whelan is still working hard on getting our disk library cataloged.

Please do what you can to help John accomplish this MONUMENTAL TASK!

A CLOSER LOOK

INDUSTRIAL RELATIONS

A family consisting of a father, a mother, two sons and a daughter are all employed with different firms in different capacities.

From the clues given below, can you name each member of the family and decide which job he or she performs for which company?

The daughter of the family works for the firm called Fyffe and Drumm, but not as a clerk. Roger is a machine operator; he does not work for Salt and Pepper. The member of the family who works as a caretaker works for Ball and Cheyne; this is not the mother. Rex, who is younger than Tony, is employed by Waite and Sea. The elder son is employed as a mechanic. The father of the family does not work for the firm called Cash and Carrie. Ellen is not employed as a manager.

Answers, next month.

PEPSI UPDATE

According to the November 15th Examiner, 10 out of 10 people preferred PEPSI!

MY TIME

By Olden Warren
Bluegrass 99ers

This article discusses a subject very near and dear to Henry Kenion's heart. For several months he has asked for someone to explain a process for running programs from disks that have been long forgotten then recently redis- covered. We've said each time that this would be a good demonstration piece for one of our meetings, so I finally got around to spending some time to prepare myself to do it. In preparation for the meeting, I thought it might be helpful to discuss the general principles I will use dur- ing the demo. Henry, this one's for you!

Let's say you have just come across a disk that you either recently obtained or found in your overflowing stack of disks. The title looks interesting, so you want to run the program to see what it does. Where do you start? Well, if the disk does not have written instructions, you can start by cataloging the disk using any of the numerous disk man- ager programs. As an aside, I ALWAYS start this process by placing the disk in drive DSK1 because many programs are written assuming that they are loaded from there. This is especially true if the program is in sections or uses data files. I do not like programs that force you to use a cer- tain drive, particularly since there are several ways around this; however that is a subject for another article.

Once you have listed the catalog, look for a file called README, one that begins or ends with DOC, or some other DISPLAY/VARIABLE 80 (D/V 80) file that may have some docu- mentation. If you find a file like this, print it out and, hopefully, you will have instructions on what to do next. If you are not that lucky, look for a file called LOAD. If it is there, it is usually an XB file that will automatic- ally run if the disk is in drive 1 when you start up the XB cartridge. From here you are usually home-free because these programs often guide you on. Sometimes, there will even be a chance to print out documentation after it auto- loads.

If this does not get you started, you are not out of luck, yet. The next thing to do is to run a program like IDENTI- FILE written by Mike Dodd in 1989. This program catalogs a disk and tries to identify the file characteristics for each file on the disk. When it is run, it prompts you for the drive to catalog (DSK1-DSK4). After you enter the

drive, it will form a catalog of the files and give the following information about each:

(a) filename
(b) file length
(c) file type (i.e. D/V 80, I/F 254)
(d) an assessment of what type of data the file holds (i.e. XB program, text).

From here it is pretty straightforward. If it identifies a file as BASIC or XB, run it as such. A file identified as E/A or XB Run Program File can be run using the Editor/ Assembler's Option 5 (E/A 5) or equivalent. A file identi- fied as E/A Load and Run can be run using the Editor/ Assembler's Option 3 (E/A 3) or equivalent. Files identi- fied as Archiver Compressed are obviously archived files and must be unarchived before executing (there are several archiver programs available to do the task).

Often there are several files on a disk that are related to a program. Which ones do you execute? Well, there are no hard and fast rules for this, only a little reasoning. Usually, a programmer will make the main file's name re- semble the object of the program; for example, a tennis game program would usually be called TENNIS. Also, E/A 5 program file names must be sequential, e.g. TENNIS, TENNIT, TENNIU, and so on because after the loader loads each module, it increments the last character of the filename to find the next module (if one exists). If both XB and E/A type programs exist on the disk, run the XB program first. Many times the XB program is used to load the E/A program or it uses the E/A code as a subroutine.

Using these steps will usually get a program going; how- ever, there are no guarantees. Mike Dodd's program is very good, but there are files that it cannot identify. Some programmers create their own file types to suit the unique needs of the program or deter hackers. If none of the above steps work, there is one more thing to try, provided you've got some time. Write-protect the disk, then try running each unidentifiable program as XB, E/A 5 and E/A 3 to see what happens.

I hope this helps rediscover some lost programming treas- ures. Happy hunting!

CHECK OUT PAGE 6 FOR MORE HELP IN IDENTIFYING FILES

HOW TO ACCESS / FILES

BY JERRY KEISLER

I have been asked by several members how to run some of the programs on our DOM. The following is a list of what you may find in your disk directory and how to run it.

If your disk has a LOAD file, it may run all the files on the disk regardless of type.

PROGRAM FILES (PG)

There are several options for running these files.

EXTENDED BASIC (XB)

Will load and run automatically when you select XB and the disk is in drive #1, if it has a LOAD file. Or can be run by typing:

RUN (enter) or RUN "DSK1.name" (enter)

If the program loads correctly but you get a BAD VALUE error when it runs, you need to load the program into BASIC (no CHARS above 143 are allowed in XB). If the program file is more than 45 sectors and won't load, you have to open up more memory. Do this by typing:

CALL FILES(1) (enter)
NEW   (enter)
OLD DSKn.name (enter)
RUN   (enter)

BASIC

Programs need to be loaded by typing:

OLD DSKn.name (enter)
RUN   (enter)

Most BASIC programs will load and run in XB but not vice-versa. If you get a FOR-NEXT error in line xxx and when you edit the line you get a lot of nonsense, the program is written in XB. The same is true if the sectors are greater than 45. More space is needed in the computer. See CALL FILES above. If you still get a memory full and tried XB then most likely it can be run on tape (OLD CS1) without the expansion box turned on.

EDITOR ASSEMBLER (EA)

If a program file will not load and run in BASIC or XB and gives an I/O ERROR 50, it may be an assembly language program. These can be run using BOOT, the Editor Assembler module option #5 with DSKn.name or FUNNELWEB'S RUN option of Disk Review. These program files are listed in consecutive order such as MASS, MAST, MASU or UTIL1, UTIL2, UTIL3. The files will normally have 33 sectors.

GRAMULATOR

These require a GROM simulator card or box. The files contain 34 sectors and have the same name with the numbers 1 through 66 attached to files 2 through 8. Follow your GROM simulator instructions to load and run.

OTHER PROGRAM FILES

Some specialized program files can only be loaded from a special module such as ADVENTURE (54 sectors), PERSONAL RECORD KEEPING, STATISTICS, TUNNELS OF DOOM (52 sectors).

DIS/VAR 80 FILES (D/V 80)

These are usually text or documentation files (DOCS, READ-ME, ETC.). They are instructions on how to run programs on the disk. Read or print them using TI Writer, FUNNELWEB, BOOT or the (V, T or P) option of several disk managers.

DIS/VAR 163 FILES (D/V 163)

This is an XB file in MERGE format. It can be merged into a program already in computer memory. Type:

MERGE DSKn.name (enter)

Continued from page 6

You must do this even if no program is in memory. To save a file in MERGE format, type:

SAVE DSKn.name, MERGE - works in XB only.

DIS/FIX 80 FILES (D/F 80)

Use EDITOR ASSEMBLER MODULE, LAR or FUNNELWEB to load these. Some files will auto load and/or auto start. Use LOAD and RUN option #3. Type:

DSKn.name (enter)

If the program does not run but asks for a second file name, you must do #1 and #2 or just #2 below.

#1 If there are multi files for the program, type:

   DSKn.name (enter) for each file.

#2 Then press enter. If the program does not start, enter the program name. The program name could be START, BEGIN, GAME, LOAD, RUN, FIRST, etc. FUNNELWEB will give you a list of names found in the program.

DIS/FIX 128 FILES (D/F 128)

These are usually ARCHIVED files. You must unarchive these files before you can run them. Use ARC303 or ARC303G.

INT/VAR 254 FILES (I/V 254)

These files usually have more than 45 sectors and are XB requiring memory expansion. They do not require CALL FILES (1). BASIC cannot be used. The same commands are used such as RUN or OLD DSKn.name. The programs are usually so long that they cannot be saved to tape. (SAVE CS1)

DATA FILES

Files such as INT/FIX 108, INT/VAR 128, INT/VAR 64 and some program files are data files that can be used by a program on the disk. They will not RUN and should be left on the disk with the other programs.

QUICK REFERENCE CHART

BY JERRY KEISLER

TYPE	SIZE	TRY...
PG	----	EXTENDED BASIC, BASIC, EDITOR/ASSEMBLER
PG	33	EDITOR/ASSEMBLER 5, BOOT, FUNNELWEB
PG	34	GROM SIMULATOR
PG	52	TUNNELS OF DOOM MODULE
PG	54	ADVENTURE MODULE
DV80	----	TI WRITER, FUNNELWEB
DV163	----	EXTENDED BASIC MERGE FORMAT
DF80	----	EDITOR/ASSEMBLER 3
DF128	----	ARCHIVER
IV245	----	EXTENDED BASIC
IV254	----	EXTENDED BASIC
ANY?	----	DATA

TI-ARTIST FILES

ENDS WITH	TYPE	DESCRIPTION
_C	PG25	PICTURES / COLOR FILE
_F	DV80	CHARACTER FONT FILE
_I	DV80	INSTANCE FILE
_M	DV254	MOVIE FILE
_P	PG25	PICTURES / PATTERN FILE
_S	DV80	SLIDES FILE
_V	DF12	VECTORS FILE

TI-BASE FILES

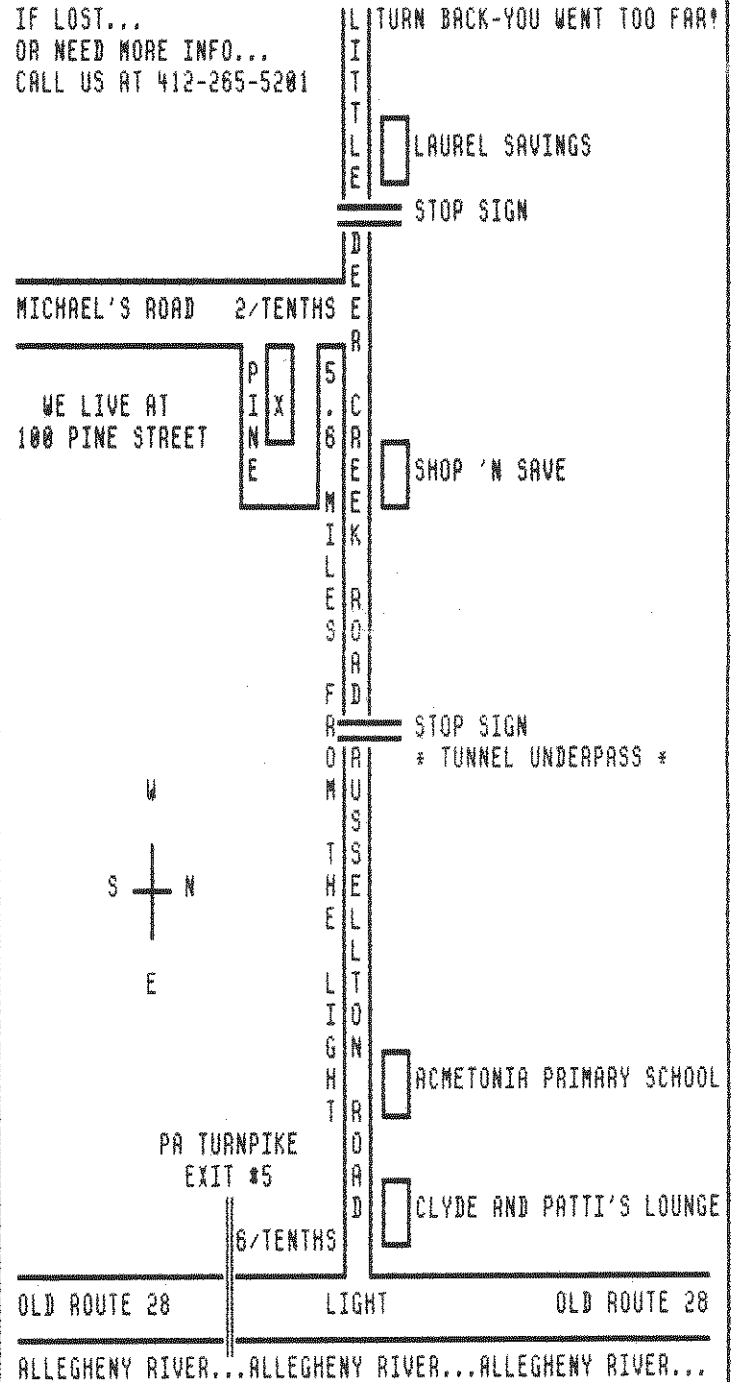| ENDS WITH	TYPE	DESCRIPTION
/C	DV80	COMMAND FILE
/C	IF40	COMMAND FILE
/D	IF--	DATA BASE DATA FILE
/H	DV80	HELP FILE
/P	IF255	PROGRAM FILE
/S	IF255	DATA BASE STRUCTURE FILE

FILES... FILES... FILES...

TAKEN FROM THE BOZO CHRONICLES
ORIGINAL CHARTS AND LAYOUTS BY GARTH POTTS
OKLAHOMA CITY, OKLAHOMA 73142

One of the first things I had to learn was that soft-
ware programs are really made up of a series of files
which work together or in sequence. The toughest part
for me was once you catalog a disk, how do you get it
to load and run. The following chart lays it all out,
complete with the proper module to use:

FILETYPE	LANGUAGE	TO LOAD
A) IF PROGRAM		
=33 Sectors	E/A - Option 5	DSKn.name
>33 Sectors	BASIC or XB	OLD DSKn.name
		or RUN "DSKn.name"
<33 Sectors	BASIC, XB or E/A	If PROGRAM >45 sectors
		CALL FILES(1) - NEW
		OLD DSKn.name
52 Sectors	Tunnels of Doom	
54 Sectors	Adventure Module	

* "BAD VALUE" = BASIC "FOR-NEXT ERROR" = EXTENDED BASIC
"MEMORY FULL" - try CALL FILES(1)

B) DIS/VAR 80	TI Writer	FORMATTER option
		LF."DSKn.name"
C) DIS/VAR 163	XB subroutine in	
	MERGE format	MERGE DSKn.name
	To save>	SAVE "DSKn.name",MERGE
D) DIS/FIX 80	E/A - Option 3	DSKn.name - then enter
		Program Names: RUN-LOAD
		START-BEGIN-GAME - etc.
E) INT/VAR 254	XB	OLD DSKn.name
		or RUN "DSKn.name"
F) INT/FIX 108	Datafiles	Used by some other
INT/VAR 128		program on the disk
INT/VAR 64		
G) DIS/FIX 128	Archived	Use Archiver V.3.03
H) INT/FIX 128	Compressed Arc.	Use Archiver V.3.03

MAP TO
MICKEY AND MIKE CENDROWSKI'S

IF LOST...
OR NEED MORE INFO...
CALL US AT 412-265-5201

TURN BACK-YOU WENT TOO FAR!

LAUREL SAVINGS

STOP SIGN

MICHAEL'S ROAD   2/TENTHS

WE LIVE AT
100 PINE STREET

SHOP 'N SAVE

STOP SIGN
* TUNNEL UNDERPASS *

ACMETONIA PRIMARY SCHOOL

PA TURNPIKE
EXIT #5

CLYDE AND PATTI'S LOUNGE

6/TENTHS

OLD ROUTE 28   LIGHT   OLD ROUTE 28

ALLEGHENY RIVER...ALLEGHENY RIVER...ALLEGHENY RIVER...

WEST PENN 99'ERS SCORES

GAME TITLE	SCORE	JOYSTICK JOCKEY	TI CLUB	DATE
BACKSTEINE	141810	LYNN GARDNER	W/PENN 99	03/94
BIGFOOT	100850	FRANK ZIC	W/PENN 99	11/93
BLASTO	44880	MIKE CENDROWSKI	W/PENN 99	11/94
BURGER BUILDR	1000000	ELEANOR ZIC	W/PENN 99	03/94
BURGERTIME	82600	MICKEY CENDROWSKI	W/PENN 99	09/85
CENTIPEDE	301930	MICKEY CENDROWSKI	W/PENN 99	01/87
DIG DUG	262460	FRANK ZIC	W/PENN 99	03/94
ENTRAPMENT	3668	FRANK ZIC	W/PENN 99	11/93
HUSTLE	WON 52	ELEANOR ZIC	W/PENN 99	03/94
JUMPY	131900	ELEANOR ZIC	W/PENN 99	03/94
MICRO PINBALL	1776500	NORM ROKKE	W/PENN 99	05/87
MIDNITE MASON	27100	FRANK ZIC	W/PENN 99	11/93
MINEFIELD (A)	0:00:01	NORM ROKKE	W/PENN 99	08/94
(B)	0:00:05	NORM ROKKE	W/PENN 99	08/94
(C)	0:00:12	NORM ROKKE	W/PENN 99	08/94
(D)	0:00:31	NORM ROKKE	W/PENN 99	08/94
(E)	0:00:47	NORM ROKKE	W/PENN 99	08/94
(F)	0:01:27	NORM ROKKE	W/PENN 99	08/94
(G)	0:02:26	NORM ROKKE	W/PENN 99	08/94
(H)	0:02:36	NORM ROKKE	W/PENN 99	08/94
(I)	0:03:56	NORM ROKKE	W/PENN 99	08/94
(J)	0:04:27	NORM ROKKE	W/PENN 99	08/94
MUNCHMAN	202170	PAUL BROCK SR	W/PENN 99	09/87
PACMAN	153000	GARY TAYLOR	W/PENN 99	09/87
PARSEC	47300	MICKEY CENDROWSKI	W/PENN 99	09/87
TI INVADERS	15930	PAUL BROCK SR	W/PENN 99	09/87
TI TRIS	2208	FRANK ZIC	W/PENN 99	11/93
TOMBSTNE CITY	31850	MIKE CENDROWSKI	W/PENN 99	11/94
TREASURE ISLD	37800	MIKE CENDROWSKI	W/PENN 99	10/94

NATIONAL TI GAME SCORES

GAME TITLE	SCORE	JOYSTICK JOCKEY	TI CLUB	DATE
BACKSTEINE	141810	LYNN GARDNER	W/PENN 99	03/94
BIGFOOT	100850	FRANK ZIC	W/PENN 99	11/93
BLASTO	44880	MIKE CENDROWSKI	W/PENN 99	11/94
BREAKTHROUGH	1850	RAY FRANTZ	VAST	11/93
BURGER BUILDR	1000000	ELEANOR ZIC	W/PENN 99	03/94
BURGERTIME	82600	MICKEY CENDROWSKI	W/PENN 99	09/85
CAR WARS	6050	JIM WAYNE	VAST	11/93
CENTIPEDE	301930	MICKEY CENDROWSKI	W/PENN 99	01/87
DIG DUG	262460	FRANK ZIC	W/PENN 99	03/94
ENTRAPMENT	3668	FRANK ZIC	W/PENN 99	11/93
HOPPER	4031826	TOM BEERSMAN	OZARK 99	06/94
HUSTLE	WON 52	ELEANOR ZIC	W/PENN 99	03/94
JAWBREAKER	15025	JIM WAYNE	VAST	11/93
JUMPY	131900	ELEANOR ZIC	W/PENN 99	03/94
MICRO PINBALL	1776500	NORM ROKKE	W/PENN 99	05/87
MIDNITE MASON	27100	FRANK ZIC	W/PENN 99	11/93
MINEFIELD (A)	0:00:01	NORM ROKKE	W/PENN 99	08/94
(B)	0:00:05	NORM ROKKE	W/PENN 99	08/94
(C)	0:00:12	NORM ROKKE	W/PENN 99	08/94
(D)	0:00:31	NORM ROKKE	W/PENN 99	08/94
(E)	0:00:47	NORM ROKKE	W/PENN 99	08/94
(F)	0:01:27	NORM ROKKE	W/PENN 99	08/94
(G)	0:02:26	NORM ROKKE	W/PENN 99	08/94
(H)	0:02:36	NORM ROKKE	W/PENN 99	08/94
(I)	0:03:56	NORM ROKKE	W/PENN 99	08/94
(J)	0:04:27	NORM ROKKE	W/PENN 99	08/94
MOON PATROL	73150	MIKE SEALY	W/PENN 99	03/94
MUNCHMAN	202170	PAUL BROCK SR	W/PENN 99	09/87
PACMAN	153000	GARY TAYLOR	W/PENN 99	09/87
PARSEC	47300	MICKEY CENDROWSKI	W/PENN 99	09/87
PKR SOLITAIRE	3790	JACKIE REMENSKI	VAST	11/93
SUPER YAHTZEE	615	JACKIE REES	VAST	11/93
THE ATTACK	31800	JIM WAYNE	VAST	11/93
TI INVADERS	15930	PAUL BROCK SR	W/PENN 99	09/87
TI TRIS	2208	FRANK ZIC	W/PENN 99	11/93
TOMBSTNE CITY	31850	MIKE CENDROWSKI	W/PENN 99	11/94
TRN SOLITAIRE	338	ED MORSE	VAST	09/94
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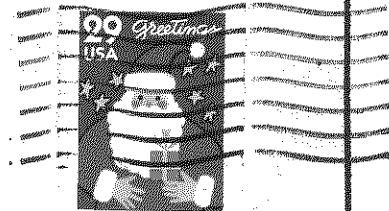Library Privileges
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