BASIC, when one wanted a print statement to stay on the same line, one had to add a ";" to get it not to do a cr lf. With printf, it stays on the same line unless you tell it to advance to a new line. The newline character is \n. A backslash can precede any of several characters to create visual representations of non-printable characters. For example \f=form feed, \t=horizontal tab, \\=the backslash itself. There are others and some are implementation dependant. I suggest you look them up in the documentation for your compiler. I will use only those that are standard to K&R and ANSI.

The result of the above is that our program could be rewritten as follows and still print out the same.

```c
#include <stdio.h>
main()
{
    printf("Hello,");
    printf(" world!");
    printf("\n");
}
```

The inclusion of the third line of printf causes a newline to be created, but the print out should look the same as before. An interesting experiment is to create a program that tries various letters after a backslash and see/hear what happens. I see some of you are saying,"But look! He put a ';' after each line. I thought he said we didn't need that?" The ";" in this case is not to cause the printf statement to stay on the same line, but to signal the end of a statement to the compiler. Another common mistake is to forget a ";". Doing so usually causes the compiler to loose track of the statements, get out of sync, and give a laundry list of errors, all because one ";" was forgotten. One thing we did sort of blow right by is the "#include <stdio.h>" statement. In the standard input output header is the instructions to the compiler as to how to handle input and output. The "#include" statement instructs the preprocessor to include the stdio.h file in the program file it hands to the compiler, just as if you had typed it into the program file yourself. Once we get into the preprocessor a little more, you'll find that you can write such header files yourself when you find that you have to keep typing in the same header information over and over again. By putting it in a header file, you can include it by simply having your header file available with the header files provided with the compiler and calling it like we did the stdio.h file. This concludes our trip through our first program. If by now you have gotten your compiler to successfully compile this program, you've covered a lot of ground. Next time we'll get into another short program that is just a little more complex. Until then, happy computing.

STAY AT C WITH ALAN IN FUTURE ISSUES!

We've Come A Long Way, Baby!

Let's see was it '85 or '86 when I first started computing?
The first system I played with was a Coco with all of 4K of memory, no
drive, data cassette only and a TV for a monitor. As some may remember
this also didn't allow for anything better than block graphics. Back
then MS-DOS machines were not much better off. 64K with a 160K data
drive and a monochrome monitor were the standard issue systems.
Transfering data via modem was accomplished at the blistering pace of
300 baud. Well, better than the 110 baud rate that proceeded that!
We've come a long way since then.

I was reminded of just how far last week, when my neighbor came to me
with an old XT system that he was given. Seems he needed quite a bit
of software installed on the system. As I looked the system over I saw
a 360K floppy drive as the main input device. 360K isn't much when
your looking at 10 megs of data transfer! The problem was solved by
linking his system and mine with a null modem adapter and then
transferring the files via procomm at 19.2K baud. This allowed all
that data to transfer in an hour or so with both machines being
unattended. And transferring all that data in that amount of time is
just what reminded of how much things have changed.

First back in the old days ten megs of data was tantamount to a main
frame! However can you imagine transferring that data at 300 baud?
Does that phrase "There goes the weekend" sound about right? Gone are
the days of Data Cassettes (Thank God!) and disk storage has become
highly reliable. 160K is out and floppys of 1.2 & 1.44 megs storage
are the current standard while Floptical disks provide 20 megs on a 3
1/2 in. disk. Monochrome monitors are now almost impossible to find as
unlimited color Super VGA monitors are now standard. The 4K Coco
system has been replaced with systems that come with a minimum of 2
megs of memory. Hard drives were once considered a luxury, now these
to are a must have, and there have been huge improvements in their
reliability, size and speed. For instance I have a 20 Meg drive circa
1985 that is almost the size of a set of Coco drives and weighs in at
approximately 15 lbs. Today a 300 meg drive is a little bigger than a
pack of cigarettes and weighs less then a pound!

Add it up, increased storage, memory, speed and graphics. All at a
lower cost than the old systems we used, even lower when you allow for
inflation over the years! Looking over today's systems it's easy to
say that we are in great position to pick up some real bargains!

As a side note to Coco users, we've been discussing a lot about MS-DOS
systems at our monthly meetings. Some have expressed interest in
obtaining one of these systems, a word of caution. Since I currently
run several systems at my home, I'm in a fairly good position to rate
the performance of these systems. So word of encouragement to Coco
users. While I've seen nothing in the Coco arsenal that can compete
with a 386 MS-DOS system, A Coco 3 with 512 K will easily outperform
all but the very fastest XT systems and in most cases with better
sound and graphics. If your considering making a switch, keep this

fact in mind! A used XT is by no means an upgrade.

Rick Hengeveld
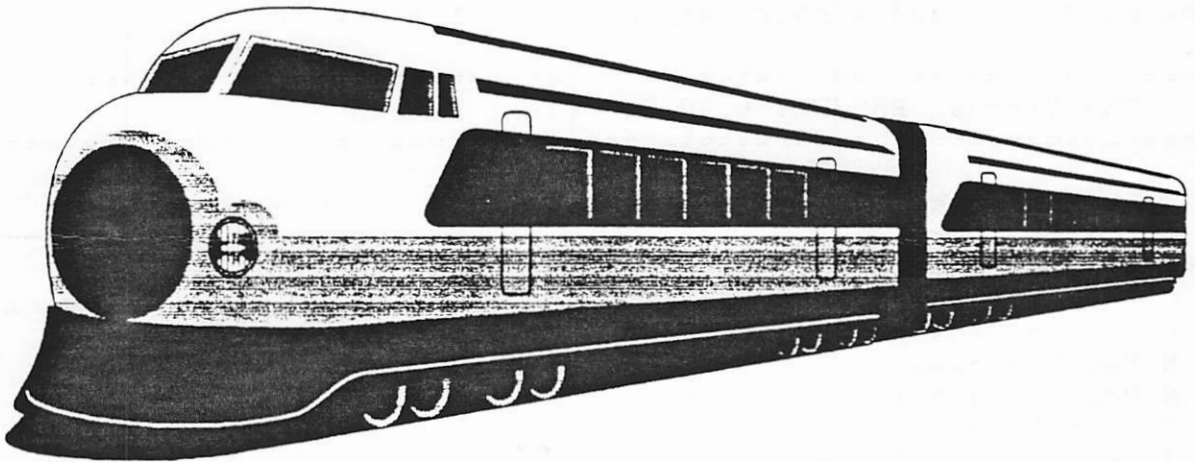
Get on board for the March 25th meeting! 7:30 PM!

FIND YOUR WAY AROUND THE MAVERICK!

Sysop's guide to VBBS software

Several weeks ago I attempted to demonstrate our latest BBS software at our regular PJCCC meeting. Since that time I've noticed that a good number of user's are still having problems understanding the system. This is logical since the present system offers many more user options than the former software. This is my effort to clarify the systems menus and features, it would be a good idea to keep this guide handy until you are totally comfortable with the BBS and its functions.

After your connection to the Maverick you will be presented with a systems statistics screen. This simply informs a user as to how busy the BBS has been, total calls, uploads etc. After this the system automatically checks to see if you have any unread E-Mail. You may at this time read your personal mail or skip over it and read the mail at a later time. After you read your mail please delete it by pressing "D" at the prompt. This is important as it preserves drive space that would otherwise be taken up by outdated messages. Once these hurdles are cleared you will be taken to the main menu. Here is a sample of the main menu and a short explanation of its features.

```
!===================================================================!
!    The Virtual BBS/NET 6.00 Copyright Roland De Graff            !
!===================================================================!
!                                            !                      !
!       Messages               E-Mail             SubSystems        !
!                                                                   !
! $ Select Topic Area    M Mailbox Scan      T File Transfer !
! C Select Message Base  Y Mail you sent      O Online program!
! P Post a Message        E Send Email          D Defaults         !
! N New Messages          F Feedback to Sysop V Voting Booth  !
! R Read sequential       Q MultiMail          A Autoposts       !
! S Scan Messages                              B Bulletins       !
! J Join/Ignore Bases                          ! QWK Functions !
!_____!

L Page Sysop        U User Listing    W Who's online    X Net Info
I System Info        K Today's Calls   Z Teleconf.       G Logoff
=====================================================================
```

As you can see all the message functions are located on the left column of the menu, we'll deal with these first.

$ Select Topic Area: This BBS currently deals with and carries messages about, Computers (How novel!) We could though, create other topic areas pertaining to any other subject. At this time we carry only 1 topic, listed under the heading "Main". Since there is only one Topic you should never have to use this option.

C Select Message base: Under the main topic you can find up to 12 individual message bases. Selecting "C" from the menu will list these bases by name and number. After these base listings appear you may jump directly into any one of them simply by pressing its number at the prompt.

P Post a message: Pressing "P" will allow you to post a public message
in the base your currently in. Your current base is always show on the
prompt line. Try to make sure that the subject your posting fits into
the base your in. i.e. Move to the "For Sale" base to post a message
relating to for sale items.

N New Messages: This maybe the most used function on the board. It
will look for and display all messages contained in the entire system.
After you've read all messages in base one you'll be asked if you wish
to post a message in that base. After answering yes or no any
previously unread messages in base two will be displayed. This will
continue until all the bases you have access to have been displayed.

R Read Sequential: This will allow you to read any available message
in the base you are CURRENTLY in.

S Scan messages: This will show you the subject or title of each
message in the base you are currently in.

J Join / Ignore Bases: Since there are many different bases you may
wish to exclude a base in which you have no interests from your "N"
New message scan. Pressing "J" will give you a listing of all the
available bases. Those bases that are in your New message search path
are indicated by an asterisk. Pressing the bases number will toggle
the asterisk on or off.

L Page Sysop, I System info, U User listing, G Logoff are all standard
commands that you are all familiar with.

W Who's online, Z Teleconfrence are used when the system is handling
more than one incoming phone line. Yes one system , properly equipped
can handle up to 4 calls at once with this software.

So what kind of message base will you see here on the Maverick. Well
I'm gonna tell ya now!

1: General discussion
2: RS-DOS Forum
3: OS9 Forum
4: MS-DOS Forum
5: Buy,Sell,Trade
6: 60000/ MM/1 Forum
7: Star Trek Dub
8: PJCCC Clubhouse
9: The Programmers Sub
10: BBS Advertisements
11: Elite Game Players Assoc.
12: Sysop's Forum

Bases 8 and 11 are only available to those people that the sysop or
co-sysop allows. Base 12 is restricted to the Sysop, Co-Sysop and
Sysops of other BBS systems.

In the middle column of the menu you'll find functions covering the E-Mail or private mail system. Be aware that E-Mail sent directly to another user can be read by both Al Wagner and myself, other than that caveat this mail is completely private.

M Mailbox scan: Simply checks if the user has any available private mail.
Y Mail you've sent: Checks the status of any letters you've sent another user.
E Send Email: Allows you to send E-Mail
F Feedback to sysop: Sends a comment directly to the Sysop
Q Multi Mail Allows one letter to be addressed to more than one user.

On to the third column, Subsystems.
T File Transfer: takes the user directly to another menu dedicated to the upload and download section.
O On-Line programs: Currently there are no on-line games available.
D Defaults: This function allows you to change your screen colors and layouts.
V Voting booth: Questions and topics can be voted on here.
A Autoposts: Displays an automatic post. This messages is displayed at every logon by every user.
B Bulletins: Text files with information can be read using this function.
! QWK Function: Used mostly with BBS's that are networked and therefore carry huge amounts of public posts. QWK allows a user to download these messages as a file and then read them once offline.

Well so much for the main menu and the mail system now on to the file transfer system.

```
=====================================================================
!    The Virtual BBS / Net 6.00  Copyright Roland De Graff 1990-1993  !
=====================================================================
!                                                                    !
! $ Select Topic Area    D Download files      J Join/Ignore Dirs    !
! C Change Directory     U Upload Files         T top Downloads       !
! N New Files List       B Batch functions      M Master List         !
! L List Files           Y Your Stats           W Whos Online         !
! S Search all Dirs      R Review Files          O Online Programs     !
! F Find descriptions                            Q Quit to main        !
!                                                 G Log off            !
=====================================================================
```

$ Select Topic area: Works just like the "$" command in the message base. Again we have only one topic so you should not need to use this command.

C Change Directory: Lists and allows the user to get into another file base.

N New files list: Lists all files that were added to the system since the users last search.

L List files: Command list files residing in the directory you are currently in. The user is prompted to enter a file mask. by simply pressing enter you will see all files contained in the current directory.

S Search all dirs.: Works much like the list command however this command will list files contained in ALL the bases the user may have access to.

F Find descriptions: This handy command allows a user to find a file via a keyword search. For instance suppose you were looking for a disk editor program, by giving the system a keyword to search for, in this case "DISK". The BBS will search the descriptions of every file it has looking for anything that has the word disk in it. Once found all files with the word disk in there descriptions will be listed to the screen.

D Download files: Allows downloading, either a single file at a time or multiple files via a batch protcol.

U Upload files: Allow single or multiple file uploads to the system.

B Batch Functions: During the listing of files you may set aside files for automatic downloading. The prompt for batching these files is at the bottom of the screen during the list process. By selecting "B" during the listing of files you will be prompted to enter either the name or the number of the file. This file will then be set aside to be downloaded. To use the batch function you must have a terminal program that supports either the Y or Z modem BATCH protocol.

Y Your Stats: Shows the amount of files you've uploaded verses the amount you've downloaded.

J Join / Ignore Dirs.: Works just like the "J" function in the message base menu.

T Top Downloads: Shows the top 50 download files.

M Masterlist: Compiles a list of all the available files in the system. The list is then automatically zipped and sent to the user as a compressed ascii file. Would be a great feature if it worked! So until further notice don't bother using it as it may knock you right off the system. In its place I've compiled a files list that can be downloaded from the Text section.

The rest of the menu commands are pretty standard stuff and should present no problem. There are currently 16 file bases that contain a total over 150 files. Not all these bases are available to the general public. Here is a partial listing of those bases, if your curious about those not shown here, then contact your friendly neighborhood sysop for the added info.

1: Text files
2: RS-DOS Entertainment

3: RS-DOS Utilities
4: RS-DOS Productivity
5: OS9 Entertainment
6: OS9 Utilities
7: OS9 Productivity
8: MS-DOS Entertainment
9: MS-DOS Utilities
10: MS-DOS Productivity
13: 68000 MM/1 Files
14: Programming Aids
16: PJCCC Express Files (Private area)

From the length of this article it may seem like this more complex than things really are. If your not familiar with the VBBS system keep this tutorial handy. It should handle most of your questions. Just remember it's almost impossible to hurt the BBS system. Even if you get totally lost and end up pulling the plug on your end, the BBS will simply hang up and reset for your next call. Next month I'll try to take you through downloading files and a few other interesting goodies.

DON'T MISS THE NEXT THRILLING INSTALLMENT!

PAY YOUR DUES!
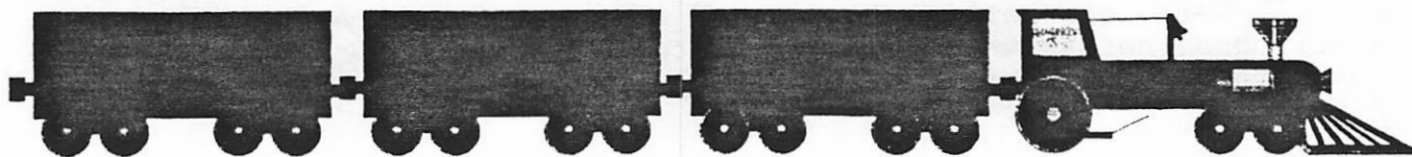
CONSTITUTION
of
PENN-JERSEY COLOR COMPUTER CLUB

ARTICLE I

Name

This organization shall be known as the PENN-JERSEY COLOR COMPUTER CLUB.

ARTICLE II

Purpose

The organization is a non-profit organization formed for the purpose of furthering the education of its members in the operation and use of home computers.

ARTICLE III

Membership

Sec.1-- The membership of this organization shall be composed of such persons who have access to the use of a Computer.

Sec.2-- Membership will not be denied to anyone because of sex, race, or creed.

Sec.3-- Members are expected to attend the scheduled monthly meetings.

Sec.4-- Yearly dues will be set to cover the expenses of the organization.

Sec.5-- Membership fee includes all members of the immediate household.

Sec.6-- Membership is on a calendar year basis.

Sec.7-- New membership fees to be prorated by 1/12 for every month past after January 1st.

Sec.8-- Members have a grace period until February 1st, to renew their membership in the club before they are dropped.

ARTICLE IV

Officers

Sec.1-- All positions of the club are voluntary, as such they are to be a non-salary or non-commission basis. No fees are to be paid to officers except the normal expenses incurred by them in the execution of their offices.

Sec.2-- The elected officers of the organization shall consist of: president, vice-president, secretary, treasurer, publicity officer, newsletter editor, and librarian. They are to be chosen by ballot from and among the members of the organization.

Sec.3-- The elected officers shall be known as the executive committee.

Sec.4-- The office of assistant editor is to be filled from the membership by a volunteer and approved by the editor. There may be more than one assistant editor.

Sec.5-- The office of Bulletin Board Service operator is on a volunteer

basis. Since the club does not own the BBS, nor provide for the expenses

of the BBS, it does not have any authority over the system or its operator. However, if the club name is used on the BBS, the club has the right to revoke its name from the system if requested by the executive commitee.

ARTICLE V

Election of Officers

Sec.1-- Election of officers shall take place at the regular November meeting.
Sec.2-- The terms of office shall be one year for each office. The terms of office are from January 1st thru December 31st.
Sec.3-- Nominations shall take place at the regular October meeting.
Sec.4-- Nominees must be registered members of the club.
Sec.5-- Nominees must be at October's meeting to accept nomination or have in writting at the meeting their intent to run for office.
Sec.6-- When a vacancy occurs in any office other than president, the executive committee shall appoint a registered member of the organization to fill such vacancy until the next annual election.
Sec.7-- If the office of president becomes open, the vice-president will assume the office of president. It will be the responsibility of the executive committee to fill the vice-president's office from the membership.

ARTICLE VI

Responsibility of Officers

Sec.1-- Responsibilities of President are:
 a. Preside over monthly meetings.
 b. Plan monthly meetings.
 c. Appoint and approve committes as needed.
Sec.2-- Responsibilities of Vice-President are:
 a. Assist the president as needed.
 b. Preside over meetings if president is unavailable.
 c. Assume presidency if office becomes open.
Sec.3-- Responsibilities of Treasurer are:
 a. Handle all funds to and from the club treasury.
 b. Recording of all income and expenditure.
 c. Provide a treasurer's report at the monthly meeting.
 d. Provide a replacement at monthly meeting if unable to attend, to read the treasurer's report.
 e. Have records available for audit as requested by the executive committee.
Sec.4-- Responsibilities of Secretary are:
 a. Recording and keeping of the minutes of all meetings.
 b. Filing and storing of applications of members.
 c. Providing minutes of monthly meetings to newsletter editor.
 d. Provide a replacement at meeting if unable to attend, to record the minutes.
Sec.5-- Responsibilities of Publicity are:
 a. Handle all publicity of the club and its events.
 b. Recruitment of new members.

        c.   Supply news media with releases as requested.
Sec.6-- Responsibilities of Newsletter Editor are:
        a.   Publish and distribute monthly newsletter.
        b.   Handle all advertisements from vendors for newsletter.
            c.   Provide a BBS version of newsletter to BBS operator, if

available.
Sec.7-- Responsibilities of Librarian are:
        a.   Storeage of all books, magazines, and software.
        b.   Inventory of all library materials.
        c.   Distribution and collection of materials at monthly meeting.
        d.   Provide replacement at meeting if unable to attend..
Sec.8-- Responsibilities of Executive Committee are:
        a.   Settle any disputes or disagreements by a majority vote.
        b.   Request a yearly audit of the treasury or as needed.

ARTICLE VII

Deleted

ARTICLE VIII

Dissolution

If for any reason the organization is disolved, all outstanding bills will
be paid and any remaining assets will be divided equally among the current
members in good standing.

ARTICLE IX

Amendments

Amendments to this constitution will be made provided that all of the
following sections are met:
Sec.1-- A written notice is given to a member of the executive committee.
Sec.2-- A notice placed in the club newsletter prior to the meeting it is
to be voted on.
Sec.3-- Amendments must be voted on at a regularly scheduled monthly
meeting.
Sec.4-- A majority vote by registered members present at the monthly
meeting.

****
****
****

now it is being recognized by the media and advertisers.

The first article I am going to tell you about fits nicely with the ad mentioned above. It is in the March 1995 issue of Occupational Hazards. This is not a magazine I'd expect you to find at the local news stand. The owner of the company I work for gets it sent to him and then puts it on a table in the lunchroom for the employees to read. The title of the article is Three Steps to the Internet. It caught my eye for two reasons, one, because it was about the Internet, and two, it wasn't in a type of magazine in which I would have expected to see it. To be honest, I haven't tripped over any crowd rushing to read this magazine and I didn't exactly have it as my first choice either. This was the first time I'd bothered to look it through. The first line in the article states that the author, a Michael J. Blotzer with an alphabet soup of titles and degrees after his name, states that he has mentioned Internet MANY times in previous articles and that this has prompted inquiries as to the benefits of Internet access. Having heard the above ad and then reading this article really had an impact, though the two obviously were not related in their origin.

His three steps are:
1. Buy a book on the Internet.
2 Establish an account.
3. Subscribe to a SIG that covers your interest.
In the case of this particular article it was safety@uvmvm.uvm.edu.

He suggests several titles. His favorite is "The Internet Navigator", by Paul Glister. He also recommends "The Internet for Dummies", "Idiot's Complete Guide to the Internet", and "Internet Revealed" as excellent references. He also cautions to make sure that the book you choose covers basic UNIX commands if the service you chose to access the Internet is a UNIX-based service.

As to establishing an account, he states that there are two major options - large commercial services or small "local providers". As for "small local" providers, you are on your own. But, in the area of large commercial services, he suggests three: America Online, Compuserve, or (my personal favorite) Delphi. All of these services have starter accounts that allow anywhere from 4 to 10 hours of "free" access to evaluate the service and to ram around in the service and try to learn the "ropes" as it were.

Of the three mentioned, he has the nicest things to say about Delphi. It has the greatest access to the net, but currently lacks the graphical interface. This will soon be changing as there was a notice in my mailbox on Delphi the other day indicating that Delphi, as well, will soon have an Internet graphical interface.

One of the most important things to Mr. Blotzer is a good mail handling program. Now this may or may not be important to you as an individual depending on how you use the Internet. If you join a SIG or newsgroup, a good mail handler is essential as you will have lots to handle. On the other hand, is you just intend to surf around and pick up things as you find them, then the mail handler is less important.

Now that you have an account, you should join a group that has common interests with you. In Mr. Blotzer's case this was an industrial safety group. There are as many groups as there are interests. So pick one you'd like to join and don't forget to pick up your mail often, as in several times a week, daily if possible.

The second "article" I want to mention is really a special issue of TIME magazine. It is the Spring 1995 issue. That's right, not a particular week, but a Spring special. The entire issue is on the Internet and the "Information Superhighway". AT&T is obviously making a rather large bid to be part of this highway as there are almost as many pages of AT&T adds as there are editorial content. I really can't go into detail here on each of the many articles, but if you have access to the issue, its worth the time to look it over. To whet your appetite, here are the titles of some of the articles:

Welcome to Cyberspace, Intimate Strangers, The Future Is Already Here, The learning Revolution, Confessions of a Cyberholic, Cops on the I-Way, Virtual Washington, Just Click to Buy, and It's a Wired, Wired World.

Well, that's it until next time. Happy computing.

Wing Commander III ☐☐☐☐☐ A Review
By Eric Rhyder

For anyone that's been a fan of the Wing Commander game series, you're in for a treat with Wing Commander III. The year is 2,669 and the Confederation is still at war with the Kilrathi, a race of lionlike humanoids. You play the character of Colonel Blair, who in the game is portrayed by Mark Hamill, Luke Skywalker from the Star Wars Trilogy. You are assigned to the T.C.S. Victory, a space carrier along the Kilrathi / Tehran border. You are given the task of completing whatever mission the Captain feels like sending you on, and the game play is decided upon how well you do.

Adrenaline, romance, humor, danger - Wing Commander III has all this and more. This sequel completes the turbulent chronicles of the Terran-Kilrathi war. The final showdown takes place on one of the homeworlds - Earth or Kilrah. But only you can write the ending...

Wing Commander III marks some remarkable steps in the field of computer games. Wing Commander III comes on 4 CD's, yes 4! Also, Wing Commander III utilizes a new graphic compression program, which enables your computer to display FULL SCREEN animation. The makers of Wing Commander III have pulled out all the stops in their newest creation. Just the aforementioned would make for a remarkable game, but the crew at Origin have gone one step further. They have recruited actual movie stars to perform as characters. Among those are Mark

MITHRAL.iit.edu/pub/highlander

Sec. 3-- Responsibilities of Treasurer.

      a. Handle all funds to and from the club treasury.

      b. Recording of all income and expenditures.

      c. Provide a treasurer's report at the monthly meetings.

      d. Provide a replacement at monthly meeting if unable to attend to carry out the treasurer's duties.

      e. Have records available for audit as requested by the executive committee.

Sec. 4-- Responsibilities of Secretary are:

      a. Record and keep the minutes of scheduled monthly and executive committee meetings.

      b. Provide a summary of the monthly meetings to the newsletter editor.

      c. Provide a replacement at monthly meetings if unable to attend to record the minutes.

Sec. 5-- Responsibilities of Publicity Officer are:

      a. Handle all publicity of the club and its events.

      b. Supply news media with releases of monthly meetings and special events.

Sec. 6-- Responsibilities of Newsletter Editor are:

      a. Publish and distribute monthly newsletter to each member.

      b. Handle all paid advertisements from vendors for printing in the newsletter.

      c. Provide excerpts of the newsletter to the BBS operator at the discretion of the editor.

Sec. 7-- Responsibilities of Librarian are:

      a. Storage of all books, magazines, and software.

      b. Provide a quarterly inventory of all library materials for members.

      c. Make recommendation to the membership for the disposition of unusable, duplicated and outdated material in the library.

      d. Distribution and collection of materials at monthly meetings.

      e. Provide for a replacement at monthly meetings if unable to attend and carry out the Librarian's duties.

Sec. 8-- Responsibilities and powers of the Executive Committee are:

      a. Oversee the overall operation of the organization including the general conduct of meetings following Roberts Rules of Order.

      b. To enforce the article of the constitution.

      c. Plan and execute monthly meetings and any other club projects.

      d. Settle any complaints at its discretion.

      e. Request a yearly audit of the Treasurer's books.

      f. Designate member(s) to pick up and distribute club mail.

      g. Approve expenditures of items up to a maximum of ten per cent (10%) monthly of the club's general checking account without membership approval.

ARTICLE VII
Monthly Meeting

Sec. 1-- The monthly meeting shall pertain to the purpose as set in Article II.

Sec. 2-- The monthly meeting will be held on the last Friday of each month.

Sec. 3-- If the meeting falls on a National Holiday, it will be scheduled one week earlier if possible.

Sec. 4-- Meetings start at 7 p.m. and end by 11 p.m.

Sec. 5-- Meetings are to be held at a place so designated in the club newsletter.

Sec. 6-- Committees will be responsible for the set-up, refreshments, and clean-up.

ARTICLE VIII
Dissolution

If for any reason the organization is to be dissolved, all club property will be auctioned off at a membership meeting, all outstanding bills will be paid, and any remaining assets will be divided equally among the current members with one share per membership application.

ARTICLE IX
Amendments

Amendments to this constitution will be made provided that all of the following sections are met:

Sec. 1-- A written notice is given to a member of the executive committee.

Sec. 2-- A notice placed in the club newsletter prior to the meeting it is to be voted on.

Sec. 3-- Amendments must be voted on at a regular scheduled monthly meeting.

Sec. 4-- Amendments must pass by a majority vote of members present at the monthly meeting.

NEW COCO MAGAZINE
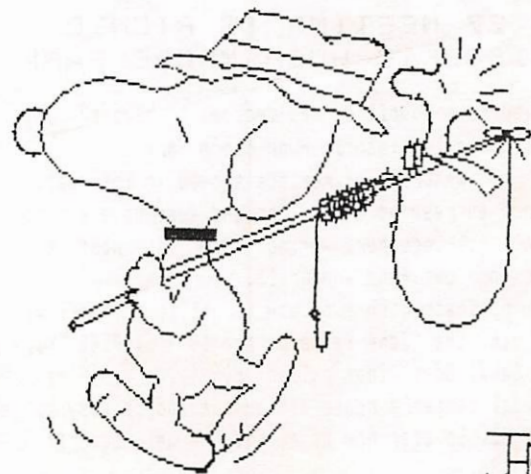
SPECTROGRAM
MAGAZINE   FOR COLOR COMPUTER USERS.

While the computer magazine cemetary has been filling up in the past 12 months, one company announces the introduction of a new magazine just for the Radio Shack Color Computer.

Recent mail to PJ-CCC included a letter and subscription form for "SPECTROGRAM" Magazine for Color Computer Users.

The letter, written by David Medley, Editor, states "Most of the magazines that cover the Tandy Color Computer have either merged with another magazine and taken the back seat or vanished all together. With more than a million Color Computers in service today, this lack of support material is a disturbing development for a great number of people. SPECTROGRAM Magazine wants to fill the void."

The letter continues, "Our magazine features the latest achievements in the world of the Color Computer; programs for business, self-improvement, home management, games, and utilities; reviews of both the new and the old profucts on the market; tutorials on programming in Assembly, C, Pascal, and of course, Basic; plus any material we feel may interest or help our readers in becoming better acquainted with their computer systems."

"We hope you will join us as we work to keep Color Computer support material alive and in the hands of the people who need and use it."

Introductory subscription offer cost $18 for 12 issues of SPECTROGRAM Magazine. Special club rates are available for five or more subscriptions at an additional savings of $3 to $15 per year, according to the letter. Mail your subscriptions with either check, money order or Visa, MasterCard with their code numbers to SPECTROGRAM Magazine, P.O. Box 138 Rockford, Il 61105. You may also call (815)968-9600.

JULY 27 MEETING IS PICNIC
AT HISTORIC HUGH MOORE PARK

The Executive Committee has decided to have the July 27 picnic at Easton's historic Hugh Moore Park.

Since no majority of members showed an interest, it was decided not to reserve a pavilion and just have a "come as you wish" get-together. Bring what you want to bring including your own food and grill.

A map and instructions on how to get to the park will be included in the June issue of the 6809 EXPRESS. The park features Canal Boat rides pulled by mules on the Lehigh Canal, lock tender's house and museum and is easy to get to from Rt. 22. So plan now to attend the get-together SUNDAY, JULY 27, 1986.

May meeting Friday

GE INTRODUCES NEW
INFORMATION SERVICE

General Electric Information Services announces a new information service for home computerists called "GEnie."

GEnie, the General Electric Network for Information Exchange, is part of GE's Information Services - the largest commercial teleprocessing network (according to GE).

GEnie has a lower registration fee ($18) compared to CompuServe or The Source. It has no "hidden" charges according to the company and cost only $5 per hour for 300 or 1200 baud service at non-prime time (Mon-Fri, 6 p.m. - 8 a.m. local time, all day Sat., Sun., and national holidays.)

The service features SIGs, Electronic Mail, CB Simulator. Computing News, Games and 2400 baud access at an additional surcharge.)

To sign up for GEnie: Have your VISA, MasterCard or checking account number ready to set up your personal GEnie account. Set your modem for half duplex (local echo) - 300 or 1200 baud. Dial 1-800-638-8369. When connected. enter HHH. At the U#= prompt, enter XJM11949, GENIE then RETURN.

NEXT MEETING IS

THIS FRIDAY 7 P.M.

WILLOW GROVE COMPUTER
SHOW/SALE JUNE 14

Ken Gordon Productions will sponsor the Philadelphia Area Microcomputer Show, Sale and Fleamarket to be held Saturday, June 14, 1986 from 9 a.m. to 3 p.m. at the George Washington Conference Center in Willow Grove, Pa.

This is the seventh year Gordon Productions has put on the show. According to a news release about 190 vendors of new and used computer products of all kinds will be featured. Savings of 10-80% and more on most products on sale, closeouts on hardware, software, aupplies, accessories, parts, books, etc.can be had.

Admission to the show is $6 for adults, $3 for a child (5-12). Tickets for $1 OFF the admission price will be available at the May 30 meeting from Nelson Russell, publicity chairman.

MEETING MINUTES OF APRIL 25

Continued from page 2

Rainbowfest. Whether or not we help with it is up to Rainbowfest, not us. Tony Teti is looking for information about a good accounts payable and receivable program. Paul Eckhart showed a sample of the a banner program from Rainbow. He mentioned some of the changes to be made for Gemini printers.

After the meeting adjourned at 8:10 p.m., Chester Belsky presented a program on BASIC.

Submitted by Mary Brown,
Secretary, PJ-CCC

6809 EXPRESS QUOTED IN COCO MAX AD

JIM MANGAN

> I never expected to see anything like it on my CoCo screen. There isn't a single command to remember. Even a person who has no drawing ability like myself can create a presentable picture. I've spent hours just doodling enjoying all the things from silly to the serious. Fascinating experience. Buy it, you won't be sorry.
> - *6809 Express May 1985*

As editor of 6809 Express, I am proud to report that a quote from the great article on CoCo Max, written by the most prolific 6809 EXPRESS contributor, was used in a new magazine ad by Colorware introducing "CoCo Max II".

WAY TO GO JIM MANGAN.

Jim has contributed so many articles in the course of the publication of the newsletter, it's too time-consuming to count them. Not only that, he is the club's SYSOP and is also the largest contributor to the club's library.

When the CoCo Max article was published last May, I sent a couple of newsletters to ColorWare. Never received a reply and was happy to see part of the article quoted in Rainbow Magazine.

I want to thank Jerry Behler for pointing out the ad since I had not bought my Rainbow yet when I put this newsletter together. I buy my Rainbow in the bookstores in the Lehigh Valley Mall because most of the other magazines I get in the mail arrive in poor shape, and I rather pay a little extra to get a nice copy.

Again I want to thank Jim Mangan for contributing to the newsletter and I hope this encourages other members to write reviews of software or hardware for the club's newsletter and ... who knows maybe YOU might be quoted in a national magazine.

MODEM IS TOPIC OF MAY 30TH MEETING

Come to the May 30th meeting of PJ-CCC to learn the art of telecommunications from Jerry Behler, who will present the topic of "METHODS TO YOUR MODEMS."

Jerry will discuss and demonstrate how to hook up a modem to the CoCo and then how to use a telecommunications software to connect to a BBS. Jerry does an excellent job whenever he present a program so make sure you write down any questions you may have and bring them to the meeting to ask Jerry.

With the price of modems now in the $50 range almost anyone can afford to buy one and hook up to your CoCo. The club library has a public domain telecommunications software, "MICKEYTERM," with 25-page documentation available for a $1 duplication fee from Nelson Russell.

SEE YOU AT THE MEETING.

Magazine auction May 30th meeting

Since the library is growing ever larger - it has now overflowed a second was basket - the Executive Committee gave permission to the Librarian to have an auction of duplicate copies of Color Computer magazines at the May PJ-CCC meeting. Here's your opportunity to purchase some of those bakc issues missing from your library, and to add some revenue to the club's treasury. BRING your CASH and your bidding spirit to the next meeting and put in your bid for the following magazines--

COLOR COMPUTER NEWS

February 1982	March 1982
April 1982	July 1982
August 1982 (2)	September 1982
October 1982	December 1982
January 1983	April 1983 (3)
February 1983	March 1983
May 1983	June 1983
July 1983	August 1983

HOT COCO

July 1984	August 1984

COLOR COMPUTER MAGAZINE

March 1983	April 1983
May 1983 (2)	June 1983
July 1983	August 1983
September 1983	October 1983
December 1983	January 1984
February 1984	March 1984

RAINBOW

December 1983	July 1984
September 1984	November 1984

The magazines will be on display prior to the auction so that members might see the type of articles they contain.

Thanks go out to Jim Mangan for contributing the April and May 1986 Rainbows and the June 1986 80-Micro to the club library. It's members like Jim who have made our library a two-wash basket collection.

COMPUTER JOBS
FASTEST GROWING FIELD

According to the U.S. Department of Labor, Bureau of Labor Statistics: Of the 10 occupations projected to be the fastest growing through 1995, seven relate to computers.

The number of computer systems analysts is projected to grow 69 percent from 1984 to 1995, adding more than 212,000 jobs.

The need for computer programmers is expected to increase 72 percent between 1984 and 1995, or by 245,000 jobs.

CONSTITUTION OF
PENN-JERSEY COLOR COMPUTER CLUB

ARTICLE I
Name

This organization shall be known as the PENN-JERSEY COLOR COMPUTER CLUB.

ARTICLE II
Purpose

The organization is a non-profit organization formed for the purpose of furthering the education of its members in the operation of home computers with emphasis on Radio Shack's models TRS-80 Color Computer, Color Computer II and Tandy Color Computer only.

The organization will not permit or condone copying and/or distribution of copyrighted material without the permission of the copyright owner.

ARTICLE III
Membership

Sec. 1-- The membership of this organization will be composed of persons and/or families who have any of the computers listed in Article II.

Sec. 2-- Membership will not be denied to anyone because of sex, race or creed.

Sec. 3-- Members are expected to attend the scheduled monthly meetings. Each member will be responsible for his or her actions and any injury, liability or any property damage incrued will be his/her responsibility. Penn-Jersey Color Computer Club, its officers, and other members will not be held liable.

Sec. 4-- Yearly dues will be set to cover the expense of the organization.

Sec. 5-- Membership fee includes all members of the immediate household.

Sec. 6-- Membership is on a calendar basis (January-December.)

Sec. 7-- New member fees are prorated by 1/12 for every month past January 1st. A new member will be deemed as one who has not been a member the previous calendar year.

Sec. 8-- Members have a grace period until the February meeting to renew their membership in the club before they are dropped from the membership roll.

ARTICLE IV
Officers

Sec. 1-- All positions of the club are voluntary on a non-salary or non-commission basis. No fees are to be paid to officers except normal expenses incurred by them in the execution of their offices.

Sec. 2-- The elected officers of the organization shall consist of: President, Vice-President, Secretary, Treasurer, Publicity Officer, Newsletter Editor, and Librarian. They are to be elected by ballot from the membership of the organization.

Sec. 3-- The elected officers shall be known as the Executive Committee. Four officers shall constitute a quorum at Executive Committee meetings.

Sec. 4-- The position of assistant editor is to be filled from the membership by a volunteer and approved by the editor. There may be more than one assistant editor.

Sec. 5-- The position of Bulletin Board Service operator is on a voluntary basis. Since the club does not own the BBS, nor provide for the expense of the BBS, it does not have any authority over the system or its operator. However, if the club name is used on the BBS, the club has the right to revoke its name from the system if requested by the executive committee.

ARTICLE V
Election of Officers

Sec. 1-- Election of officers will take place at the regular November meeting.

Sec. 2-- The term of office is from January 1st through December 31st.

Sec. 3-- Nominations will take place at the regular October meeting.

Sec. 4-- A nominee for office must be a member for a minimum of three months in good standing. No member can be a nominee for more than one office.

Sec. 5-- Nominations are in order at the October and November meetings with the consent of the nominee.

Sec. 6-- When a vacancy occurs in any office other than president, the executive committee will appoint a member to fill such vacancy until the next annual election.

Sec. 7-- If the office of President becomes open, the vice-president will assume the office of President. It will be the responsibility of the executive committee to fill the vice-president's office from the membership.

ARTICLE VI
Responsibilities of Officers

Sec. 1-- Responsibilities of President are:
    a. Preside over monthly meetings.
    b. Appoint and approve committees as needed.
Sec. 2-- Responsibilities of Vice-President are:
    a. Assist the president as needed.
    b. Preside over meetings if president is unavailable.
    c. Assume presidency if office becomes vacant.
    d. File membership applications and inform the newsletter editor of member changes within 30 days.
    e. Provide an updated membership list quarterly to each executive committee member.

system requirements. Then you're off and running.

CoCo Max III is a graphics editor with a deservedly fine reputation. It provides a host of features. Equipped with this program, anyone with a modicum of talent can create good pictures.

In the CoCo world, at least, Max-10 is a different breed of word processor. It is really a word processor but it behaves like a graphics program. It uses its own fonts rather than the fonts built into the printer. Therefore, a dot matrix printer that does a good job on graphics is a must. On the other hand, if a high speed copy of text is required (say for rough draft purposes) it can print out in ASCII. Speaking of fonts, with these programs, individually or collectively, you are in font city. For additional fees you can have about 95 extra CoCo Max III fonts and 36 more Max-10 fonts.

As you can see, Max-10 will produce its output in columns if that is your wish. This is easy to accomplish with pull down menus and on-screen rulers all controlled by a mouse (or joystick).

Scrolling through the text is done by simply clicking on an on-screen up or down arrow with your trusty mouse.

Max-10 includes a pop-up spelling checker with a 35000 word dictionary. This dictionary can be added to or even replaced by the user. In fact you can write your own or convert another one from another source. Watching the spelling checker work is interesting. Misspelled words can be fixed on the spot. You don't need to leave your work in order to use this feature.

Max-10 can utilize pictures from *any* graphics editor. Pictures can be pasted in at will and sized to suite the space requirements of the document. All this is easy to do with no commands to memorize and no control codes to imbed in the text. Underlining, and italics appear on the screen. You can preview an entire page at once.

Nothing is perfect. CoCo Max III and Max-10 have their shortcomings. CoCo Max III cannot share its output with other graphics programs except Max-10. Single screen pictures from *CoCo Max II* could be used by Colorscan, Hardcopy, or Graphicom II (all distributed by Computize). Max-10's drawbacks include fixed minimum top and bottom margins, and the inability to print multiple copies. Also, it can't be used as part of a mail merge set-up. Those who bought

Max-10 version 2.0 is the new word processor from Colorware. The use of this program in combination with CoCo Max III (also by Colorware) would be reason enough to run out and buy a Color Computer 3.

You are looking at an article which is the product of both programs plus some pictures from GrafX. The graphics have been created and/or edited by using CoCo Max III. They have been processed by the Max-10 picture translator for use by the word processor.

Dave Stampe, not pictured

here, has done a remarkable job writing both programs. High quality home publishing with the CoCo3 is not only a reality, but affordable as well. Both Max-10 and CoCo Max III are user friendly, easy to set up, and easy to learn.

As they come out of the box, both programs share certain common characteristics. Each requires the same especially modified high resolution interface. However, you need to buy only one. So if you already own CoCo Max III you pay $10 less for Max-10 and vice versa. Max-10 comes with an additional piece of hardware called a *clicker*. This gadget gets plugged into the cassette port. It does more than just click. Max-10 will not run without it.

Each program along with its supporting utilities, printer drivers, etc. comes on a disk from which you make working backup copies. Using the copies, you then run the configure programs provided to tailor the disks to your

created window environment. Shell i=/w2&.
This is the way My file looks:

```
iniz /w2
wcreate /w2 -s=2 00 00 80 24 00 01 01
echo  >/w2 -                10                20
      30          40           50           60
           70          80
echo                                      >/w2
..../..../..../..../..../..../..../..../..../..../....
/..../..../..../....
display 1b 22 00 00 03 50 15 00 01 >/w2
shell i=/w2&
```

Why not build yourself a file like mine, store it in your current data directory, and then call it by typing the file's name at the OS9 prompt just as you would a command. I'll wait. Hum dedum do doddle da de doe doo dum. Done yet? Ok, lets look at what you saw when you executed your file. First the disk drive came on, but you saw little else. After the last command executed, you saw a number with an ampersand appear below your OS9 prompt and then you got a new OS9 prompt. What happened? The new screen and shell were created and run in the background as far as your current screen was concerned. The number with the ampersand is the process number for the shell in our new window. By pressing clear you will get to the new window. How many times you will have to press clear depends on how many other windows you had open at the time you executed our procedure file and which one of those windows you were in. The new window is added to the end of the line. So if you had four windows open and were in the second window opened when you executed the file, you would have to press clear three times to get to the new window.
Go to the new window. Notice that the

shell message is on the third there is an OS9 prompt on th You can now invoke your edito will have a scale across the to, screen as a guide. Pretty neat, now have but one last problem. How we clean up after we are done? We need to close the window. We could just execute the command for device window end, display 1b 24 >/w2. But this would leave a disconnected shell in memory. To dispose of the shell we must first be in the window with the shell we wish to terminate and then at an OS9 prompt type EX (cr). But now we can't type anything else in this window. Go to any other window and type display 1b 24 >/W2. This will then close the window.

Amazing as this may seem, I've actually been working on the Library this month! If you were at the last meeting you heard most of what I'M about to relate. I am undertaking to make disks of the collection of freeware, public domain, shareware, and home brewed programs that I have collected for my own use and add them to the clubs library. I currently have approximately 20 meg of this sort of program on my hard drive. Some of it is quite good and some, well, lets just say it leaves something to be desired. If anyone is looking for a specific type of program, let me know and I'll try to move that up on the priority list. I also have Access to software that is mine/yours for the for the getting. I have two lists, one for RSDOS and one for OS9 that combined have well over 250k of listing data. That's not the files themselves, that's just the listings that are that numerous. Each listing consists of one line giving the title of the file, the person who posted it to

he BBS where I can get it, and the date of the listing. I will be bringing these lists to the meetings for your perusing and will be happy to get any of the titles you would like to acquire. I must ask though that you follow the instructions that accompany each set of files as to shareware compliance and requests to keep groups of files together for any further distribution. Please bring a blank disk with you and I will return it with the requested items.

Oh no. I see Pete outside the Library waving at me through another window that he's got to put the express away for this month. Well, I won't be seeing you at the December meeting but I will be back in January. Try opening a few windows and let in some of that OS9 fresh air (its prewarmed by the power supply so you don't have to worry about your heating bills). Happy computing. Careful on your way out. One of these days I just gotta get this place organized

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

Presidents Report   11/29/91
Rick Hengeveld

I hope Santa was good to the PJCCC members this year! Since were looking 1992 square in the kisser, I guess it's time to start thinking about the coming years club activities.

Since there will be little if any old business to take care of at the Jan. meeting, we will be discussing and planning the upcoming presentations to be given at the 1992 meetings. So please give this some thought before the Jan. Meeting.

Merry CHRISTMAS from the 6809 Express

Secretary's Report   11/29/91
Rick Hengeveld (for Roni DeGarmo)

The November meeting of the PJCCC was called to order at 7:38 11/29/91 by the Club President. The treasurer's report was read and approved. No old business was pending. Under new business, Club librarian; **Al Wagner** reported that the club now has an up to date listing of all the files available on the **Delphi** network. The file is very extensive. Contact Al to receive the listing, also Al has offered to pull files from the system for club members. So make your requests known.

Al also stated he will be listing the club on the Delphi database. **Maverick** sysop **Rick Hengeveld** stated that he is close to having the necessary hardware to get a 65 Meg hard drive online to store the club files on our BBS.

Free sample copies of the 6809 Newsletter have been offered to potential new members. Also we may soon see a limited number of commercial ads in the 6809 to offset printing and mailing costs. *(next pg)*

EXPRESS

The Official Publication of The

PENN-JERSEY COLOR COMPUTER CLUB

H. Peter Unks Acting Editor

LEHIGH VALLEY, PA
P M
NOV 18
1989
18001

25 USA

FIRST CLASS MAIL

Eric Rhyder

NEXT MEETING
of The
PENN-JERSEY COLOR COMPUTER CLUB
November 24
ELECTIONS!   GRAPHICS DEMO!
We need YOU!!!

****

Plan now to attend the
CHRISTMAS PARTY
on
December 29!

Home made goodies!
Magic!
FUN FUN FUN FUN FUN
Bring a friend!

PJ-CCC Treasurers Report
ERIC RHYDER

Statement Date   Nov 21, 1994

Balance on Hand   October 30,1994 $259.61
Receipts:
  None

Total Receipts: $259.61

Disbursements:
  None

Total Disbursements   0.00

Balance On Hand   Nov 21,1994 $259.61

Treasurers Report - December
ERIC RHYDER

Balance on hand - December 1,1994 $259.61
Receipts
     None
Disbursements
     None

Balance on hand, December 30,1994 $259.61

*** Dues will be payable at the December Meeting.

None

Total Disbursements   0.00

Balance On Hand   Nov 21,1994 $259.61

leaving messages and magazine articles, the BBS also has programs and other information for downloading. You can also upload items you wish to share with others.

I mentioned our club's BBS because it is a very small version of what is known as an on-line service. A few of the larger such services are Compuserve, GEnie, Prodigy, and Delphi. We and they offer some very similar services, but they, because of their size, can offer a greater variety of services and some services that are very sophisticated. For instance, instant weather with maps and charts, stock quotes, stock brokerage services, travel services (airlines tickets, hotel reservations, rental cars, etc.), computerized shopping malls and many other services too numerous to mention. All this is building up to a quote I like from the article in Computer Shopper mentioned before. When you try to imagine what the Internet is like, Computer Shopper said, "It can help to think of the Internet as an online service, albeit one with a serious steroid-abuse problem."

Another way you can envision this is to think of your computer as a small house. Our BBS is a country back road that leads you to the local computer community. Compuserve, GEnie, Prodigy, Delphi and others are like major state highways, giving you access to large computer cities. The Internet is a big interstate super highway for information that can take you places only dreamed of just a few years ago. It is perhaps THE main interstate on the "information super highway" we hear talked about in almost every newscast and government speech. With the push of just a few keys, one can access data from New York or California or even overseas!
This article points out that one of the most prestigious things that you can add to a business card is an Internet address. I have one. It is Alwagner@Delphi.com. If you have access to the Internet and send mail to me at that address, I will pick it up most likely on the next Saturday morning. If need be I can then reply to you as the mail I get contains the return address. I have already received mail from someone using America Online as well as someone working for a private company that has Internet access. The biggest hangup with Delphi's Internet access is that it is text only and doesn't allow pictures other than those that are in an ASCII format. If the pix is in an ASCII format, Delphi's system passes it along thinking it is just plain text. I won't tell if you don't. Unfortunately this means that I don't have access to the millions of pictures, including shots by the Hubble Telescope, that are available on the Internet The Internet also offers special interest groups, just like the other online services. There are some 10,000 newsgroups at last count. It is not uncommon for each news group to produce megabytes of data each day! Of course there are newsgroups for MS-DOS interests, but there are also groups for the Coco and OS9. Moving from group to group and moving from node to node in search of information is sometimes referred to as "surfing the Internet".

Computing isn't just balancing your checkbook or playing games any more. Even with the little Coco one can get information that was once the exclusive domain of colleges and universities. The information super highway has an on ramp nearby going places you'd like to be. If you haven't tried our little BBS yet, get with it! It is a simple way to get your feet wet. Who knows, maybe some day you'll want to surf the Internet with the big boys.

- Hey, surf's up!!

numbers of variations from series to series, ie., there are eight different variations in the first series, twelve in the next, ten in the third, etc. How could I account for that? I decided several things. First the text file would contain only the prompts and report screen text data. Second there would be a data file that contained only the specification data used in the calculations and construction reports. Third, to account for the differing number of variations in the specification data file, I made the first three lines of the text file contain data about how many variations there were for that particular series. I know this sort of violates my first decision, but the text file was the easiest place to put the required data. I simply skip the first three lines when I access that file for the text data.

Having made the above decisions, I now had a significant memory requirement reduction. But, how would I read in the text? I looked over the C commands at my disposal. I decided to try fgets and fputs to get and put a "string" at a time. String is in quotes as there is really no such thing in C. There is only a one dimensional array of type char terminated with a \0 (a null). But, these commands only work one "string" at a time. I needed something where I could specify which text file to access. I also wanted to be able to tell the routine how many "strings" to skip to get over the first three lines (remember?) and to skip over previously used data in the file. Then I needed to be able to tell the routine how many lines to read.

The following is the file reading program I developed to meet the above requirements.

```
/***********************************************************************/

int fileread(char * file, int lines, int skiplines)
{
    FILE * fp;
    char string[80];
    errno=0;
    if ((fp=fopen(file,"r"))==NULL){
        printf("\x7\nError opening %s.  Error number %d.\n", file,
            errno);
        return;}
    if (skiplines>0){
        for(;skiplines>0;--skiplines)
            fgets(string,80,fp);}
    do {
        fgets(string,80,fp);
        fputs(string, stdout);
        --lines;
    } while (!feof(fp)&&lines>0);
    fclose(fp);
    return;
}
/***********************************************************************/
```

OK, that's the routine, but for those of you just learning C, we have sort of jumped into the deep end of the pool. C has a device that for some reason causes a lot of confusion among beginners. It is called a pointer. A pointer, as its name implies, points at something. It is that simple in most cases. If one would physically examine a pointer in memory, one would find a number corresponding to the address of the item pointed at. That's how the pointer points.

When we declare a variable as being a pointer, C knows that the variable contains the address of the thing pointed at.

I won't go into all the reasons to use pointers at this time but I will explain why I used a couple of them in my program above. Notice that in the first line of the program, after the title of the routine, there is a chunk that reads "char * file". This says there is a variable "file" that is of type "char" (character) "*" (pointer). When one passes variables to a function, one can only pass them one at a time. This means I could not pass the file name as one variable as the file name is stored in a one dimension array, each element of which is a variable. I would have to pass each element seperatly! However, I can pass the address of the first element to a function using a pointer to that array. Then when I wish to use the elements of the array, I can refer to the pointer and C can immediately find the entire array. In this case, because I have terminated the data in the array with a NULL, I can let C read the array until it ·finds that NULL. The result is that I can refer to "file" as if it were a single variable in the above routine.

The next item that needs some explanation is the "FILE * fp" line. This again is a pointer of type "FILE". The FILE type is predefined in C and is in fact a variable type called a structure. To keep it simple for now, I won't go into structures, but it is almost identical to the complex data type discussed in this column under the discussion of BASIC09 some time ago. FILE is special though. It contains all the needed info for C to access a disk file.

Once the file has been opened using a variable of type FILE, the variable contains such things a path number to the device, starting sector, file size, and what ever else the system for which the C compiler has been designed. Most of this is transparent to the programmer. So now when I open a path to a file, having declared fp as being of type FILE *, I can use fp to refer to that open file. The line "char string[80]" merely creates an array of 80 characters where I can temporarily store the data to be read from the disk file before it is shipped off to the screen or printer. The next line, "errno=0" sets a special variable to zero. This variable is special because it is setup by C to report error numbers when it tries to do things like open files. By checking on this variable one can attempt to ascertain what went wrong when the file couldn't be opened.

Down a bit further, there is an if statement where I check for NULL upon opening the file. If there is a problem opening a file, the open routine returns a NULL. By checking for this NULL in the open statement line, it compacts the program a bit and has become the defacto standard way of opening a file. As a standard, this is immediately recognizable by most C programmers and hence more understandable than any other way of accomplishing the same thing. You may have noticed in the printf statement reporting on the error, I referred to the file being opened using the pointer "file" to pass the "string's" address to the %s portion of the statement.

Falling on my butt has never been one of my favorite pastimes, so I did as advised and came home with 50 lbs. of kitty litter. I sprinkled it liberally on the ice over which Beverly and I had to tread. We had instant traction. Then it snowed and hailed and rained some more.

I had instant mud. Semi-frozen instant mud. I applied more kitty litter. Once again, instant traction. Then it snowed and hailed and rained. We were back to instant mud. Slippery, slushy mud.

It didn't take a great deal of skill to figure out where my wife, my dog, or I was at any given time. Just following the muddy footprints would lead right to us.

We gave the remaining 25 lbs. of kitty litter to a friend who owns a cat. Now that the snow has melted we see the first half of the bag is still with us. We have the only blacktop driveway in town with a dried mud trail through it. Our carpeting fared a little better thanks to Beverly's work with the vacuum.

The moral of the story is that CoCo support publications are good sources of CoCo support. But to avoid falling on your behind, get your advice at a hardware store.

Moving along to a different topic, let me say that I could use a software review or two. Hardware reviews would be welcome too. Or, how about an item on a computer show?

Upload your articles to THE MAVERICK BBS in ASCII just like Clyde did with his Atlanta adventure. And speaking of Clyde, HAPPY FIFTIETH to Clyde and Ruth!

See you at the meeting!

protocols. So what is meant by "Batch"? Lets go back to the file list where you can select the files you wish to receive. At the end of each page of displayed files you are asked if you wish to "B"atch any of the listed files. By selecting batch the system will tag those files and set them aside for you. After making all your selections you can start a download of all the files you selected. In this way you can download a multitude of files while leaving your terminal unattended! To accomplish this you need to select a protocol that supports batch. Both DSZ Ymodem and DSZ Zmodem support this batching mode. These protocols work much like Xmodem however unlike Xmodem these correction methods also send and write the file names to your directory. In this way multiple files are sent in one shot.

No matter what terminal software you use, The Maverick's prompts and keyboard inputs are the same, however telling the BBS what you want sent and the protocol to send the file in is not enough. You must prepare your system to receive the file that is sent. As I stated near the beginning of this article it is difficult to give a step by step procedure since every users terminal software will need different keyboard inputs to start a download. You must become familiar with your terminal software and know the inputs required to prepare your terminal to receive a download. Speaking for myself I can help those who use the Ultimaterm package, Procomm or Telix. There are a good number of files currently on the Maverick system that are quite unique. And I would seriously doubt that many of you have these files. So give it a try, as with most things you can't hurt the system from your end, and even disconnecting during your call will simply result in the BBS resetting for the next call.

SPURTS FROM A LEAKY PEN
by H. Peter Unks

I have taken some bad advice in my time. One of the dumbest suggestions I ever followed came from a popular CoCo support magazine. This advice had nothing to do with the CoCo or any other computer. It had to do with ice and how to avoid slipping on it. At the same time as gaining instant traction, one could avoid doing harm to concrete driveways and the like. And besides, instead of chemicals getting into the lawn, a little more dirt wouldget added to it. So the advice went. How could I go wrong?

In the last 6809 we discussed the various features of VBBS. I hope that will help those that had both questions and problems using the system. This month we'll look into downloading files from the BBS. This is the cheapest and easiest way of getting new files for your Coco or MS-DOS machine. Some have been scared off of this, thinking that all this data transfer is to complicated. Once you have the hang of it downloading is very simple and a great help to your software library.

Due to the various types of terminal software in use it is very difficult to give a step by step procedure to the end user.(you) So I'll attack the subject in general terms. First once your on line and have moved to the transfer section you can view the different software directories via the "C" change directory command. With over 200 titles available it is necessary to categorize the available programs to assist the user in finding those files that would interest them. There are 3 areas each for RS-DOS, OS9 and MS-DOS users. These are divided into entertainment, productivity and utility sections. Once you've selected the directory your interested in (just follow the prompts) you can view the files offered for download. To list the files you select "L"ist from the main prompt. You will then be presented with a prompt that says "File Mask" What this is asking is "Do you want me to list only certain files?" Simply pressing enter will show you all the available files in the current directory, typing *.rep would show you only files with a "REP" extension. This is simply another way to narrow down a search for a specific file. Those that are new to downloading should simply press enter at the File Mask prompt and list all the files in the current directory. This will give you a better overview of what is available. The system will scroll up a single screen full of files and then pause so you can study the list and choose any files you may want to receive. At the bottom of the list you will see a prompt asking you to hit enter or if you wish to place any of the files in a batch, more on batches later. Pressing enter will list the next screen full of file that are available in the current directory. Most Coco users should write down the complete names of any files they wish to receive during this listing operation, after selecting these files they can then start a download by selecting "D"ownload from the main menu. After pressing "D" you will again see the File Mask prompt. This time enter the name of the file you wish to receive. The system will locate the file and ask which transfer protocol you wish to use. This is the function that confuses many users. Here is the simple rule for Coco users. Select DSZ - Xmodem. All Coco terminals support Xmodem. So what's all this protocol stuff about? Protocols are simply a method to check that the data being sent over the phone line was in fact received and was correct. To do this check both systems have to do the error checking using the same method. Only a few Coco terminal software packages support Ymodem batch and very few if any support the Zmodem protocol. Most MS-DOS terminals support the Y & Zmodem protocols. These protocols are both batch type
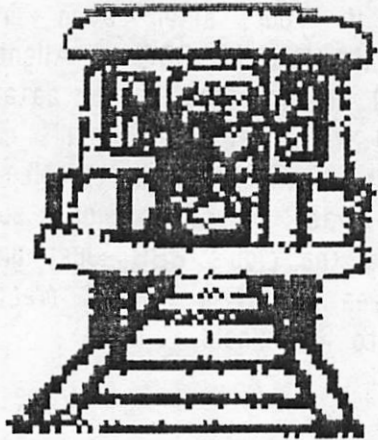
THE LIBRARY CAR

by
Al Wagner

Hi there! Welcome once again to the PJCCC Express library car. Things never seem to come easy. As a result I haven't done much with the library this month, so once again watch your step as you try to find a seat. Pull up a crate and make your self at home.

I hope you got to the meeting the end of May. It was quite a machine we had a chance to see demonstrated and actually play with a little. I am referring of course to the much awaited MM/1 computer Peter Unks had ordered sometime ago. Some things don't seem to live up to one's expectations when one has to wait as long as Pete did, but I think the MM/1 will meet and exceed most everyone's expectations that comes in contact with it.

Now what does all this have to do with the library? The MM/1 runs on OS9/68000 (aka, OS68K). This is the big brother to the OS9 we can run on our COCOs! We don't have as much in the library that runs under OS9 as RSDOS, but there are a few things. As your needs grow, knowing how to run OS9 programs on the COCO will put one in a good position to move up to the MM/1 or for that matter the Tomcat from Frank Hogg Labs or any of the other computers that run OS9/68000.

In addition, learning OS9 may push that time much further away as OS9 unleashes power in the COCO that has been untapped prior to OS9. In the spirit that libraries in general often hold seminars on various subjects, I'm going to cover a few of the basics of OS9 in this column.

Now don't go turning to the next article saying, "OS9 is too hard to learn." We have been extra blessed in some ways with the COCO. Having a ROM based system, we have never had to bother with BOOTSTRAP routines. Every other computer I have had contact with has had some kind of a startup routine that required a boot file.

As with learning many new things, trying to learn the whole system at once can be mind blowing. But as an example, how many of you remember the first time you drove a car? If you were like me, you were a little panicky. Clutches, brakes, gas pedal, gauges, gears, other traffic, control the speed, aim the car, don't hit the curb, watch out for the kid on the bicycle, etc. Now you jump in the car, fire it up, turn on the radio, and drive the car as if it were an extension of yourself.

You hold conversations and think about what you'll be doing later in the day not half thinking about the mechanics of driving

THE MAVERICK
BBS
215-760-0456

Sysop Report 6-4-91
by Rick Hengeveld

As of June 4th 1991 the Maverick has logged over 200 calls! The message base contains over 120 messages. That's an increase of 60 calls and 40 message posts since last month. All this from 17 registered users! Kudos to those users! As a reference I called another Coco dedicated BBS about 45 miles from my home an found 3 messages left in the last month! It was brought up that there was an error in the BBS relating to the advertised address of the club. This has been repaired. I hope to soon make an upgrade to the system that will allow 2400 baud operation. This will put the Maverick on a speed par with most other BBS systems and may attract a few more users.

If your interested in GIF picture files, you can find them on the BBS. Be sure to download the ARC.BIN file first as the GIF viewer file is archived and will require you to de-arc the file before it can be used. The file GIF.ARC contains not only a GIF viewer but also a few excellent picture files. If your after even more GIF pictures the Nucleus BBS in Allentown has over 400 picture files in its database for download! Well that's it for this month, as always if anyone is having problems logging on or has questions or suggestions concerning the club's BBS, Just give me a call or see me at a PJCCC meeting. I"ll be glad to listen/help.

"WHY", YOU MAY ASK, "IS THIS EDITION OF THE 6809 EXPRESS LATE?" WELL, IT'S BECAUSE OF TECHNICAL REASONS BEYOND OUR CONTROL! YEAH, THAT'S THE TICKET! TECHNICAL REASONS! THAT'S WHY! SO WE'LL SEE YOU NEXT MONTH ON TIME, RIGHT? SURE! LOOK FOR US! YOU'LL SEE! YEAH! TECHNICAL REASONS!
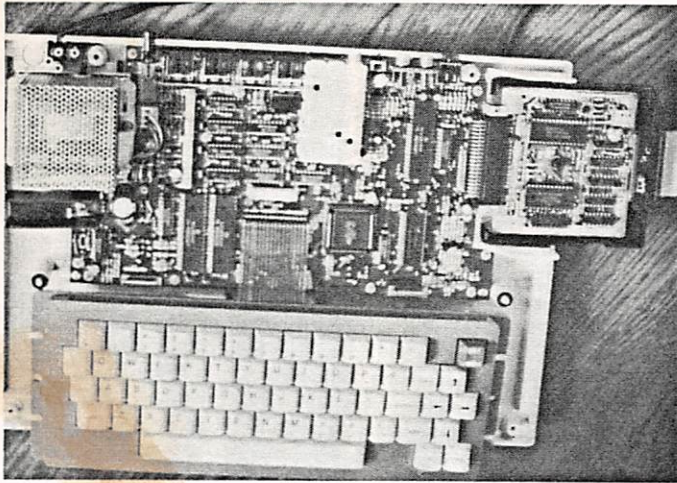
Inside of Bruce Navarre's CoCo 3.
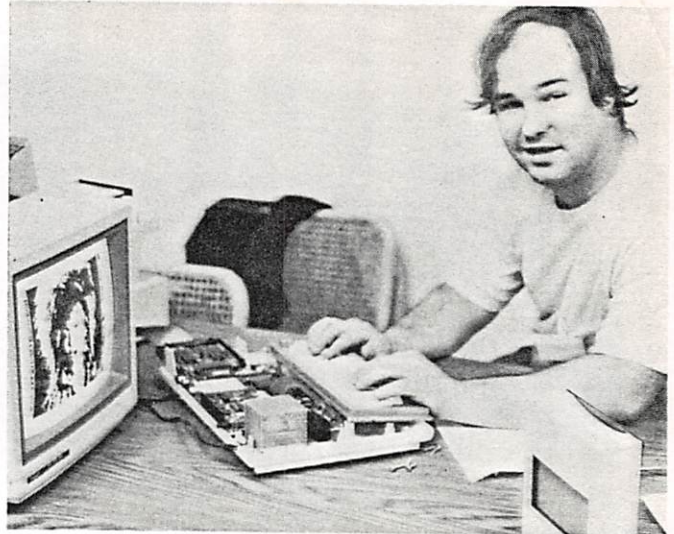
Bruce Navarre, Jr. demonstrates the new CoCo 3 with the CM-8 RGB analog monitor.

NEW ADDITIONS TO PJCCC LIBRARY

Donated by Tony Cappellini:
    Rocky's Boots (disk and instructions)
Donated by Jim Mangan:
    Rainbow - July, August, September and October 1986
Donated by Bruce Navarre:
    Color Computer Graphics (book)
    Color Computer Assembly Language Programming (book)
    EDTASM+ (instruction manual)
    Microillustrator (disk and instructions)
    Getting Started with OS-9 (manual)
    OS-9 Commands (manual)
    OS-9 Program Development (manual)
    OS-9 Technical Information (manual)

    OS-9 Boot (disk)
    OS-9 System Master (disk)
Donated by Jason Walters:
    Color Car (disk)
    Morocco Gran Prix (disk)
Donated by Paul Eckhart:
    EDTASM+ (rompack)
    Cubix (cassette)
    Black Sanctum (cassette)
    Shenanigans (cassette)
    Calixto Island (cassette)
    Sea Quest (cassette)
    Tut's Tomb (cassette)
    CoCo Greeting Card Designer (disk and instructions)
Donated by Software Company:
    Dazzledraw (disk)

189

260

CHRISTMAS SALE ON GAME SOFTWARE

Mikaron Software Company of Chester, CA., has sent notice to the club for 25-30 per cent Christmas Sale on a number of games for the CoCo. All of the games use high resolution graphics and range in price from $7.50 to $18.50. There is a $5 disount for each order. Games are ABC PUZZLE, MEMORY GAME, WORD SEARCH, MAZE GAME, STATE FOF FACTS and SUPER COLLECTION.

The order form and a description of the games will be available at the meeting - see Don Lauer.

COMPUTER FESTIVAL
Continued from page 3

Electrical and Electronic Engineers and other computer clubs.

The computer festival will be held Saturday April 11, 9-6, and Sunday April 12, 9-4. General Admission is $7 for two days, Sunday only $5, ($3 for students and seniors). The Saturday banquet is $15. Free parking and free day-care. Draped 8 x 10 booths -$250; mini booths $130; flea market space $15 (2 days). Booths and flea market space sold in advance only. For information call (609) 771-2467.

Mary Brown is shown as she presented her discussion on "Education and the CoCo" at the October meeting of PJCCC. This picture was "lost" for the last issue of the 6909 EXPRESS. Sorry Mary.

OWL COMPUTER SERVICES OPENS FIRST STORE

Tom and Donna Roginski, PJCCC members and owners of OWL-WARE, the mail order computer company, have opened their first store, called Owl Computer Services at 1117 N. Irving St., Allentown, Pa. The store is managed by another PJCCC member, Jerry Behler. The store opened for business the second week in December and features Computer and Software systems, especially the IBM-Compatible clones. CoCo items will also be carried according to support the CoCos, like disk drives, monitors, etc. according to Tom at the last meeting of PJCCC. Owl Computer Services is located just off Airport Road South in Allentown. Make a right at the traffic light across from the K-Mart and just one block down on the left is the building. The phone number is 215-433-8695 and the store is open evenings until 8 p.m. at present. Give them a call and visit them sometime. When is the next store going to open Tom?

YEARLY DUES NOW BEING ACCEPTED

PJCCC Treasurer Tom Castronuova announced at the November meeting that members may now pay their yearly club dues of $12. Dues will be accepted up to and including the February 1987 meeting and those members not having paid their dues by then will be dropped from membership.

Tom also reminds members to fill out another member application and if there are changes from last year, like address changes, telephone or you purchased additional hardware, list them on the membership form. The January issue of 6809 EXPRESS will have membership forms included if Tom runs out of them at the December meeting.

Your dues provides the club the ability to publish the 6809 EXPRESS newsletter to let you know what's going on in the club and CoCo world. The newsletter has received national attention by being mention in a CoCo Max advertisement and it has also been copied in style by many other CoCo clubs across the country.

Besides your dues, the club also needs your participation in meeting and activities. If you would like to present a topic of discussion on any CoCo related topic at a meeting inform the any officer of the club and they will be more than happy to arrange an evening for you. Also the newsletter needs YOUR contributions to make to larger and better. One person can't do everything - so if you have any item you might think is of interest to other members, send or phone it to Reinhold Radke, PJCCC, P.O. Box 2742, Lehigh Valley, PA 18001 or phone (201) 859-6161 in the evenings.

TRENTON COMPUTER FESTIVAL
SET FOR APRIL 11 & 12, 1987

The Trenton Computer Festival (TCF), the original Personal Computer show, will celebrate its 12th anniversary on Saturda and Sunday, April 11 and 12, 1987.

The 12th annual TCF will again hold its indoor commercial exhibit in the huge Trenton State College Recreation Center. In addition to the 120 regular commercial exhibit booths, 36 mini booths have been added for fledgling companies. The five acre outdoor flea market are has been moved and for the first time flea market space will be sold in advance of the show. Special rooms throughout the campus will be used for 11 simultaneous technical sessions, user group meetings, computer courses, demonstrations and a computer graphics theatre. These sessions will be held on both Saturday and Sunday.

For the third year a computer will be awarded to the high school or junior high school student submitting the best essay. The 1987 topic is "My Computer's First Essay."

On Saturday evening at the annual banquet the Award for Computer Hobbyist of the Year will be presented. (The 1986 winner was Sol Libes, founding member of the Amateur Computer Group of New Jersey.) Featured speaker will be an internationally known person in the computer field.

TCF-87 will be held on the 225 acre campus of Trenton State College, located on Route 31, convenient to Routes 1 and I-95, in suburban Ewing Township just north of Trenton, N.J. It is a not-for-profit educational undertaking sponsored by Trenton State College, the Amateur Computer Group of New Jersey, the Philadelphia Area Computer Society, the Central New Jersey Computer Club, the Institute of

EDITOR FOR THOSE WITHOUT A DISK DRIVE

The following is a simple, but great text editor for those of you who do not have a commercial word processor or a disk drive. **NOTE** This will program will NOT WORK with a disk controller plugged in, but then again those of you with a disk drive probably already have a word procesor for it.

I typed in this program several years ago and published it in the April 1986 6809 EXPRESS and since we have several new members and some without disk drives I though it would be good to include it again. It was written by Brian Liedallen of Vancouver, Washington and publlished in the TRS-80 Microcomputer News a couple of years ago with no rights reserved. TRS-80 Microcomputer News was a magazine published by Radio Shack (Tandy) and a year's subscription was given to all those who bought Color Computers five, six and seven years ago.

It will take about an hour and ten minutes to type it in. (That's what it took me a couple of years ago.) Also I like to thank Nelson Russell for allowing me to run of the listing on his 15-inch daisy wheel printer so that the listing would be more legible.

This is a text editing program for a Color Computer with Extended Color BASIC. In this program there are three basic modes: compose, edit, and list to printer.

In compose, you enter text for the first time. In the edit mode you can move the cursor up, down, left or right. You can also insert, delete or change characters, or you can extend your text.

Here is a list of the control keys in the different modes:

I. COMPOSE

(Left Arrow)	=	Backspace and erase
(Up Arrow)	=	Exit to menu
(ENTER)	=	Carriage return when sent to printer

II. EDIT

(Up Arrow)	=	Move cursor up one line
(Down Arrow)	=	Move cursor down one line
(Left Arrow)	=	Backspace
(Space Bar)	=	Advance one space
(1)	=	Delete one character
(2)	=	Change one character
(3)	=	Insert until (Up Arrow)
(4)	=	Extend until (Up Arrow)
(ENTER)	=	Return to Menu

```
1 '*** TEXT EDITOR 2.2 ***
2 '*** BY BRIAN LIEUALLEN ***
3 '*** NO RIGHTS RESERVED ***
10 CLS:CLEAR200,16311:GOTO5000
20 INPUT"LINE WIDTH"; LW
30 DEFUSR0=16370:DEFUSR1=16342:DEFUSR2=16313
40 CLS
50 PRINT "'1' COMPOSE"
60 PRINT "'2' EDIT"
70 PRINT "'3' LIST TO PRINTER"
80 INPUT A:ON A GOTO 100, 210, 550
90 GOTO 40
95 '***COMPOSE***
100 POKE 65479, 0:POKE 65481, 0
110 X=USR0(0)
120 A=1536
130 GOSUB 3000
140 A$=INKEY$
```

```
150 POKE A, 207:POKE A,143
160 IF A$="" THEN 140
170 IF A$="^" THEN POKE A, 255:GOTO 40
180 IF A$=CHR$(8) THEN A=A-1:GOTO 140
190 GOSUB 2000
200 POKE A, ASC(A$):A=A+1:GOTO 130
205 '***EDIT***
210 POKE 65479, 0:POKE 65481, 0
220 A=1536
230 P=PEEK(A):POKE A, 175
240 A$=INKEY$:IF A$="" THEN 240
250 POKE A, P
260 IF A$=CHR$(32) THEN A=A+1
270 IF A$=CHR$(8) THEN A=A-1: IF A=1535 THEN A=1536
280 IF A$=CHR$(10) THEN A=A+32
290 IF A$="^" THEN A=A-32:IF A<1536 THEN A=1536
300 GOSUB 3000
310 IF A$=CHR$(13) THEN 40
320 ON VAL(A$) GOTO 340,380, 410, 490
330 GOTO 230
335 ' ***DELETE***
340 F1=(A+1)/256:F2=(F1-INT(F1))*256
350 POKE 16343, F1:POKE 16344, F2
360 X=USR1(0):GOTO 230
375 ' *** CHANGE ***
380 A$=INKEY$:IF A$="" THEN 380
390 GOSUB 2000
400 POKE A, ASC(A$): A=A+1:GOTO 230
405 ' *** INSERT ***
410 A$=INKEY$:IF A$="" THEN 410
420 GOSUB 2000
430 IF A$="^" THEN 230
440 F1=(A/256):F2=(F1-INT(F1))*256
450 POKE 16314, F1:POKE 16315, F2
460 X=USR2(0)
470 POKE A, ASC(A$): A=A+1
480 GOTO 410
485 ' *** INSERT ***
490 A$=INKEY$:POKE A, 207:POKE A, 143:IF A$="" THEN 490
500 A1=ASC(A$)
510 IF A1=8 THEN A=A-1:GOTO 490
520 GOSUB 2000
530 IF A$="^" THEN POKE A, 255:GOTO 230
540 POKE A, ASC(A$):A=A+1:GOSUB 3000:GOTO 490
545 ' *** SEND TO PRINTER ***
550 FOR A=1536 TO 3071
560 A1=PEEK(A)
570 IF A1=>0 AND A1<27 THEN A1=A1+96
580 IF A1=143 THEN A1=32
590 IF A1=255 THEN 640
600 IF A1=191 THEN 640
610 B$=B$+CHR$(A1)
620 IF LEN(B$)=LW THEN 640
625 IF LEN(B$)>LW-10 AND A1=32 THEN 640
630 NEXT A
640 PRINT #-2, B$:B$=""
650 IF A1=255 THEN 40
660 IF A=3071 THEN 40
670 NEXT A
675 ' *** CHR CODE CONVERT ***
2000 A1=ASC(A$)
2010 IF A1>96 AND A1<127 THEN A$=CHR$(A1-96):RETURN
2020 IF A1=32 THEN A$=CHR$(143):RETURN
2030 IF A1=13 THEN A$=CHR$(191)
2040 RETURN
2045 ' **: SCREEN SELECT ***
3000 IF A>2559 THEN POKE 65479, 0:POKE 65480,0:
     POKE 65483,0:RETURN
3010 IF A>2047 THEN POKE 65483,0:POKE 65478,0:
     POKE 65480,0:RETURN
3020 POKE 65479, 0:POKE 65481, 0:POKE 65482, 0:RETURN
3025 ' *** MACHINE LANGUAGE ***
5000 FOR A=16313 TO 16382
5010 READ B: POKE A, B :NEXT
5020 DATA 142, 6, 0, 166, 128, 230, 132, 167, 128, 30, 137,
     129, 255, 39, 7, 140, 11, 255, 39, 2, 32, 239, 231,
     132, 134, 255, 167, 132, 57
5030 DATA 142, 0, 0, 230, 132, 231, 130, 166, 129, 230, 132,
     193, 255, 39, 10, 140, 11, 255, 39, 5, 231, 130, 126,
     63, 221, 231, 130, 57
5040 DATA 198, 143, 142, 6, 0, 231, 128, 140, 11, 255, 38,
     249, 57
5050 GOTO 20
```

6809 EXPRESS

THE PENN-JERSEY COLOR COMPUTER CLUB

VOLUME 7 NUMBER 5 · JUNE 1989

Minutes of June 30, 1989 meeting

The meeting was called to order by Rick Hengeveld, Vice-President. The minutes were accepted as read. The Treasurer's report was accepted as read.

OLD BUSINESS:

We have a second key for the club mailbox. Labels and disks are still available for sale. The schedule of talks willbe altered since Rick won't be at the July meeting. Present possibilities include a talk by Pete Unks or a Nevin Keller talk.The database information will be given at the August meeting.

NEW BUSINESS:

Dick Kravitz suggested that a letter of thanks be sent to the the college for the use of the rooms. The secretary was directed to do so. Clyde mentioned that the club treasury was in good shape but since our membership is decreasing we should give some thought to fund raising. If our balance goes below $200 we will have to pay for checking. One possible money maker is the selling of disk-o-tiers. We can get a special price on lots of 12. The auction will also bring in some money.

The meeting was adjourned after Random Access. The program on printers followed. The Radio Shack DMP 105, DMP 132 and the Star NX1000 were demonstrated and discussed.

Submitted by

Mary A. Brown, secretary.
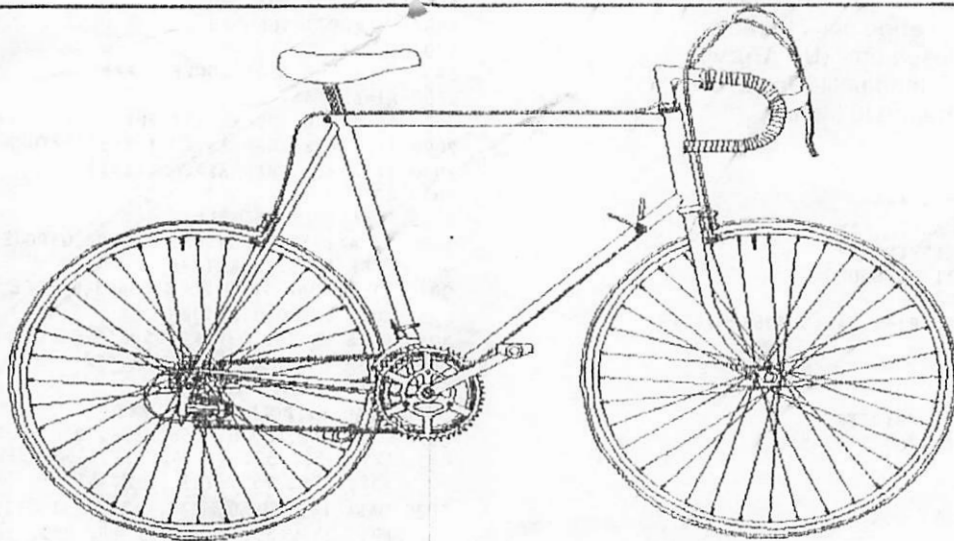
FOR
THRILLS! CHILLS!
AND
MILE-MINUTE
ACTION-
DON'T MISS THE
NEXT MEETING ON
SEPTEMBER 30,
1994 AT 7:00 PM!
A SPECIAL SUPRISE GUEST WILL BE
WITH US!

The 6809 EXPRESS

H. Peter Unks, Editor

FIRST CLASS MAIL

THE LAST WORD
H. PETER UNKS, EDITOR

This issue represents a departure from the normal issue of THE 6809 EXPRESS. This is assuming that "normal" is a word that applies to this, the official publication of The Penn-Jersey Color Computer Club.

It was put together with the help of several kinds of computers using at least three operating systems. These would involve MS-DOS, RSDOS, and OS9/68000 as run on IBM compatibles, Color Computers, and the MM/1. And this issue will be *printed*, not *copied*.

I hope you like this idea. I do. I believe it reflects the new spirit of the club in a very practical way. If you don't agree, let me know. I'll do it this way anyhow, but you will have the satisfaction of letting your feelings be known.

Having one club concerning itself with a variety of computers and operating systems has turned out to be more fun than anyone imagined at the outset. There is some insight to be gained from every system out there. There is great comaraderie in the membership of the club. It is one of the finest groups of people I have ever been associated with. Make no mistake. It's the people who make PJCCC worth belonging to.

****

Since the recent demise of THE RAINBOW I have subscribed to a number of publications which seem to fill the void. Subscriptions to these publications vary in price from around $15 to $25 per year. All of them are worthwhile.

THE WORLD of 68' MICROS is $23 per year. This magazine publishes every six weeks. It supports the CoCo, disk basic, 6809/OS9, and OS9/68000. Send a check to FARNA Systems PB, P.O. Box 321, Warner Robbins, GA 31099-0321 Phone (912) 328-7859.

(more)

newsletter no later than the middle of August. Pete also encouraged all to think about writing an article. A suggestion was made that perhaps a review of a favorite piece of software or perhaps a piece of software that is the least favorite would be a good place to start.

Richard Kravits mentioned that we would have to renew our lease on the meeting room before the September meeting and should not print the September issue until it was certain which room we would have for this meeting. At this point the new business seemed to slip into a random access style of conversation. The meeting was closed by Rick at 8:27PM. A very impressive demonstration of CD-ROM followed given by Eric Rhyder. He spent most of the time showing us around a copy of the 1991 Grolier Encyclopedia. Besides the expected text, there were pictures of photographic quality, music, and even short movie sequences of historical events with both sound and animation. Clyde commented that his dedication to the Coco just may be slipping after seeing demonstrations such as this.

THE MAVERICK BBS
Rick Hengeveld, Sysop

Wow! Where to start! OK here's the deal, Maverick's BBS has been reborn! The old system which was run on the clubs 512K Coco has been retired. The new system runs on an MS-DOS machine and sports 40 megs of storage. That's a far cry from the 600K of storage we had on the old system. There are many added features to this system, such as E-Mail, 2400 baud operation, multiple subs and, thankfully, a lot less sysop work to keep the system in operating condition. So sign on and explore the system. There's a lot there to do and see!

```
----) HEAR YE,HEAR YE!-----)

  B B S  (----- HEAR  YE,HEAR  YE!(---
```

Announcing a new bulletin board ,using the latest version (V4.1X) of COLOR-80 BBS package from Silicon Rainbow Products.

At first,this BBS will be open to Penn Jersey Color Computer Club members only,with passwords to be assigned by sysop,namely your truly.This is to prevent others from coming on line and filling the board with trash and garbage.Later on the BBS users will be expanded to include only those recommended by club members.

The main objective of this board will be communication between club members and their family with other club members and their family.Thus being a family affair,this BBS will be conducted as such.Objectionable,obnoxious,and obscene material will not be permitted or tolerated on this board.Any infractions of these conditions shall result in the withdrawal of password and denial of access by any offender

The board format has,as of now,not been finalized but it will include a menu with a fairly wide range of interest to all.Further information will be forthcoming.

And finally,sysop wants to make one thing clear and that is that all private messages will remain as such even from sysop. Sysop will review only those messages on complaint by receiver of said messages,and applying the above conditions as stated above,appropriate action will be taken.Sysop regards all users of BBS as an elctronic visitor to his home,therefore expects said visitors to act accordingly

```
Any ??????????'s -------------------->  Jim Mangan
```


???????

SYNTAX ERROR

This month we begin with new tools at our disposal. The Express is now using Graphicon along with the X-pad to do the graphics. Also we are using Super "Color" Writer to do word processing.   I would like to add to the list of policies which the express will follow this list was published two months ago this will be item #11

ITEM #11 LIABILITY OF THE EXPRESS FOR ERRORS AND OMMISSIONS *** IN ADVERTISING OR EDITORIAL COPY IS LIMITED TO PRINTING A CORRECTION IN THE NEXT ISSUE OF THE EXPRESS AFTER THE EDITOR HAS BEEN NOTIFIED OF THE ERROR OR OMISSION

I would like to welcome two new members into the club they are, Leonard Yenilaitus and Wayne Moodie. I am sure they will be a valuable assest *** to the club.

Again this month I must ask for more help with people writing articles for the Express. This publication is exchanged with different newsletters and I believe that this is a reflection on the membership of the club. The paper can be only as good as the people who support it.

You will notice that the clubs constitution is published this month. This is the clubs regulations which it is bound to follow. If any club member has a question about it please contact any executive committee member.

MAY'S MEETING

MAYS MEETING WILL BE HELD MAY 25, 1984 IN ROOM BE-217 Northampton Area Community College @ 7:00 PM. Topic of the meeting will be" BASIC 09" by Tom Roginski.

NOTES

ANNOUNSING A BASIC SIG GROUP

First meeting will be May 11th at Sally Lashes' house. Meeting will begin at 7:00 PM. Bring you book "Getting Started With Color Basic". Call Sally for more information after 5:00 PM. Meetings are set up for the second friday of each month so far five people have expressed interest in this SIG GROUP.

ANNOUNCING A GAME ADVENTURES SIG GROUP

Call Kim Moyer for more information

A QUICK NOTE TO ADVERTISERS

Did you know that the Express is sent to four different COCO clubs thru out Pennsylvania and New Jersey. In the estimation of the Editor the readership *** has a potential of over 250 people.This coupled with fact that it is good business to advertise makes the $5.00 price tag a very good deal per month. Why not contact the editor now for one of your own advertisements blocks.
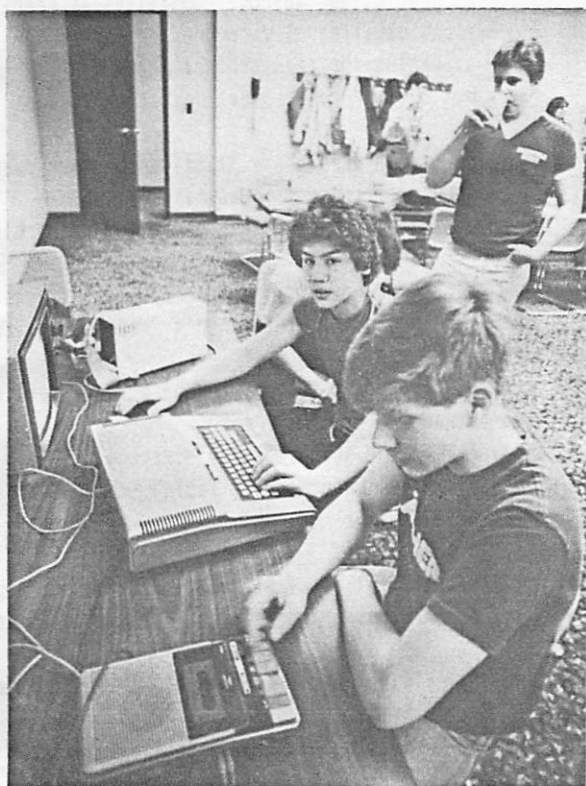
CONSTITUTION
of
PENN-JERSEY COLOR COMPUTER CLUB

ARTICLE I
Name

This organization shall be known as the PENN-JERSEY COLOR COMPUTER CLUB.

ARTICLE II
Purpose

The organization is a non-profit organization formed for the purpose of furthering the education of its members in the operation and use of home computers with special emphasis on Radio Shack models: TRS-80 Color Computer, TDP-100, Color Computer II. And Tano's model Dragon.

ARTICLE III
Membership

Sec. 1-- The membership of this organization shall be composed of such persons who have access to the use of a TRS-80 Color Computer or similar machine.

Sec. 2-- Membership will not be denied to anyone because of sex, race, or creed.

Sec. 3-- Members are expected to attend the scheduled monthly meetings.

Sec. 4-- Yearly dues will be set to cover the expenses of the organization.

Sec. 5-- Membership fee includes all members of the immediate household.

Sec. 6-- Membership is on a calendar year basis.

Sec. 7-- New membership fees to be prorated by 1/12 for every month past after January 1st.

Sec. 8-- Members have a grace period until February 1st, to renew their membership in the club before they are dropped.

ARTICLE IV
Officers

Sec. 1-- All positions of the club are voluntary, as such they are to be a non-salary or non-commission basis. No fees are to be paid to officers except the normal expenses incurred by them in the execution of their offices.

Sec. 2-- The elected officers of the organization shall consist of: president, vice-president, secretary, treasurer, publicity officer, newsletter editor, and librarian. They are to be chosen by ballot from and among the members of the organization.

Sec. 3-- The elected officers shall be known as the executive committee.

Sec. 4-- The office of assistant editor is to be filled from the membership by a volunteer and approved by the editor. There may be more than one assistant editor.

Sec. 5-- The office of Bulletin Board Service operator is on a volunteer basis. Since the club does not own the BBS, nor provide for the expenses of the BBS, it does not have any authority over the system or its operator. However, if the club name is used on the BBS, the club has the right to revoke its name from the system if requested by the executive committee.

ARTICLE V
Election of Officers

Sec. 1-- Election of officers shall take place at the regular November meeting.

Sec. 2-- The terms of office shall be one year for each office. The terms of office are from January 1st thru December 31st.

Sec. 3-- Nominations shall take place at the regular October meeting.

Sec. 4-- Nominees must be registered members of the club.

Sec. 5-- Nominees must be at October's meeting to accept nomination or have in writing at the meeting their intent to run for office.

Sec. 6-- When a vacancy occurs in any office other than president, the executive committee shall appoint a registered member of the organization to fill such vacancy until the next annual election.

Sec. 7-- If the office of president becomes open, the vice-president will assume the office of president. It will be the responsibility of the executive committee to fill the vice-president's office from the membership.

ARTICLE VI
Responsibilities of Officers

Sec. 1-- Responsibilities of President are:
   a. Preside over monthly meetings.
   b. Plan monthly meetings.
   c. Appoint and approve committees as needed.

Sec. 2-- Responsibilities of Vice-President are:
   a. Assist the president as needed.
   b. Preside over meetings if president is unavailable.
   c. Assume presidency if office becomes open.

Sec. 3-- Responsibilities of Treasurer are:
   a. Handle all funds to and from the club treasury.
   b. Recording of all income and expenditure.
   c. Provide a treasurer's report at the monthly meeting.
   d. Provide a replacement at monthly meeting if unable to attend, to read the treasurer's report.
   e. Have records available for audit as requested by the executive committee.

Sec. 4-- Responsibilities of Secretary are:
   a. Recording and keeping of the minutes of all meetings.
   b. Filing and storing of applications of members.
   c. Providing minutes of monthly meeting to newsletter editor.

d. Provide a replacement at meeting if unable to attend, to record the
                        minutes.

Sec. 5-- Responsibilities of Publicity are:

a. Handle all publicity of the club and its events.

b. Recruitment of new members.

c. Supply news media with releases as requested.

Sec. 6-- Responsibilities of Newsletter Editor are:

a. Publish and distribute monthly newsletter.

b. Handle all advertisements from vendors for newsletter.

c. Provide a BBS version of newsletter to BBS operator, if available.

Sec. 7-- Responsibilities of Librarian are:

a. Storage of all books, magazines, and software.

b. Inventory of all library materials.

c. Distribution and collection of materials at monthly meetings.

d. Provide replacement at meeting if unable to attend.

Sec. 8-- Responsibilities of Executive Committee are:

a. Settle any disputes or disagreements by a majority vote.

b. Request a yearly audit of the treasury or as needed.

ARTICLE VII
MONTHLY MEETING

Sec. 1-- The monthly meeting shall pertain to the purpose as set in Article II.

Sec. 2-- The monthly meeting will be held on the last Friday of each month.

Sec. 3-- If the meeting falls on a national holiday, it will be scheduled one week earlier.

Sec. 4-- Meetings start at 7 PM and end at 11 PM.

Sec. 5-- Meetings are to be held at a place so designated in the club newsletter.

Sec. 6-- Committees will be responsible for the set-up, refreshments, and cleanup.

ARTICLE VIII
Dissolution

If for any reason the organization is dissolved, all outstanding bills will be paid, and any remaining assets will be divided equally among the current members in good standing.

ARTICLE IX
Amendments

Amendments to this constitution will be made provided that all of the following
sections are met:

Sec. 1--A written notice is given to a member of the executive committee.

Sec. 2--A notice placed in the club newsletter prior to the meeting it is to be voted on.

Sec. 3--Amendments must be voted on at a regularly scheduled monthly meeting.

Sec. 4--A majority vote by registered members present at the monthly meeting.
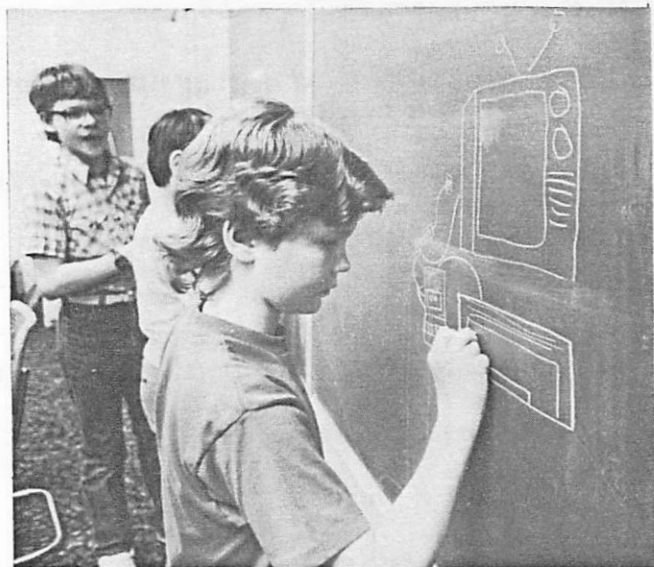
COCO GRAPHICS ????

Penn-Jersey Color Computer Club Library

by Paula Behler

This is a list of Donations received during April 84.
From Jim Mangan:

88-Micro 4/84 & 5/84 issues.
Micro Adventurer 11/83 & 1/84
88 US 7/82 & 6/83
Basic Computing 7-83 to 4/84
Personal Software 1/84 & 4/84
Easy to Understand Guide to Home Computers
Color Micro Journal 9/83 to 2/84

Many issues of TRS-80 Microcomputer News were received from Jim Mangan, Al Krapf, and Tim Foley.

A cassette titled "Pretty Pictures" by Kim Moyer.

Thanks to everybody, the library is really growing.

LEHIGH VALLEY COMPUTER EXPO MAY 15 and 16

The Lehigh Valley Computer Expo '84 will be held May 15 and 16 at the George Washington Motor Lodge, MacArthur Road and Rt. 22 in Whitehall Township.

Expo '84 will offer an array of services, displays and seminars relating to computer technology.

A number of Lehigh Valley businesses and industries will offer information of the latest in computers and computer-related materials. The Expo is aimed at the personal computer user as well as the business user whether large or small.

Among topics to be offered in free educational seminars are:

* Integrating micros and mainframes

* Development of the personal computer

* Technologies: Past and present

* Computer output microfilm and laser printing

* Defining the information needs of the information services department

* Office automation / Office strategies

Additional information may be had by calling 770-5227.

SEND YOUR KIDS TO COLOR COMPUTER CAMP

Radio Shack again is offering its TRS-80 Computer Camp program for children and adults at only $49.95 per student.

The five 2-hour daily sessions at your local Radio Shack Computer Center features Color LOGO for ages 8 to 11 and BASIC Language for ages 12 thru 15.
Instructors and computers are provided in the classroom setting at the computer center.

For more information on these courses visit your local Radio Shack Computer Center.

NOTE NOTE NOTE NOTE NOTE NOTE NOTE NOTE NOTE NOTE NOTE

The club will be lucky enough to be visited by Paul Hoffman noted author on graphics and the x-pad. Paul has given tentative consent to come up from Trenton to give a lecture on the pad and graphics in general to the club.

ON THE NEWS-FRONT By Reinhold Radke

A member of a group of young computer hackers known as the 4-1-4's in Milwaukee was placed on two years' probation April 30 after conceding that he gained unauthorized access to computers at Memorial Sloan-Kettering Cancer Center in New York and a Los Angeles bank.

In sentencing the youth, Gerald Wondra, 21 years old, the judge told him he should not underestimate the seriousness of his crime even though he was not being sent to prison. The group is named for the Milwaukee are code.

* * * * * * *

Families with home computers spend more time together, watch less TV and the children do more homework according to a report in a New York University study.

Graduate students at NYU observed 48 families in New York, New Jersey and Connecticut who have home computers in the first phase of a study which eventually will include 2,000 families.

"Families appreciate each other a bit more that when dad was watching TV and the son was playing his guitar. They're spending more time together at home because they're having fun working on their computer," says Professor Joe Giacquinta who is analyzing their computer use.

Children also spend more time on homework because they learn how to study using the computer.

More than 14 million homes now have computers according to the Census Bureau.

* * * * * *

Have software gathering dust? Ever buy a program not to your liking? Well, The Computer and Software Exchange Club will help you or your company swap your unwanted software for software others want to exchange. Membership is $15 for and individual and $250 per company. For each satisfactory swap, you're charged $5. Contact Computer and Program Exchange Club, P.O. Box 1142, Oak Ridge, Tenn. 37831.
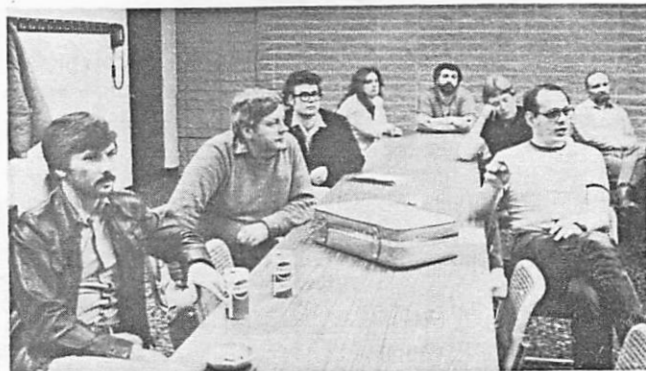
Club members listen to Dick Bartholomew on OS-9.