

What's new besides the year...

The shop is climbing the walls and invading the attic - so we have decided to move down in the world and take over half of the bottom floor of a local building. Twice the space! We are looking at maybe putting out a disk version of Chromasette in July (sorry, about twice the price). Shawn is now our new very part-time (whew) janitor and scapegoat. Twice the headaches! And I will write with a more professional attitude (twice the lies)...



P.O. Box 1087,  
Santa Barbara, CA 93102  
(805) 963-1066

January 1983

```

*****
*
*   Filename      English Translation      PMODE PCLEAR   Locations      *
*   PLANCOV      Planner Cover           4       4       9/154 10/168  *
*   LEAKYTAP     Leaky Tap                1       2       21/163 23/178  *
*   HOUSEADV     House Adventure          0       1       40/177 44/193  *
*   *KEEPTXT     Keep Text                0       1       67/198 73/216  *
*   INST1        Instructions Part 1      84/211 92/230  *
*   INST2        Instructions Part 2     104/228 113/249 *
*   ROWBOAT      Rowboat (PCLEAR7:CLOADM) 3       7       125/244 136/266 *
*   LISTMOD      ListMod (CLOADM - see notes) (2) (4) 150/265 164/289 *
*
*   Locations are for R/S recorders.  If the first copy of a program
*   won't load, try the second.  If neither copy loads, return the tape
*   for disciplining and a prompt replacement.  If you get an OM, FC,
*   or SN error while loading or running a program, you probably have
*   to enter the PMODE and PCLEAR values for the program directly from
*   the keyboard.  (Values in parenthesis are not set in the program).
*   * These programs may use high speed.  Be sure that the computer is
*   slowed down again before doing I/O to tape or disk (POKE 65494,0).
*
*****

```

But will the cities use it? Planner Cover looks like (with a LOT of imagination) the beginnings of a planned community. Don't take my word for it; take a look at the cover, then tell me I'm full of squid...

Call a plumber - or just run back and forth trying to catch the drops in Leaky Tap.

"Remember, the imposter is last". Yes, that is a clue to solving House Adventure. And no, I won't tell you anymore. It took us a few times to figure out what the clue meant (we still haven't solved the adventure, though). For you new adventurers, you are searching for 20 items located in the house. You give one or two word commands (ie: LOOK, OPEN DOOR) to move around and do things. Pay attention to what you see (ie: if you see a locked door that you can't open, you may find a key later on).

House Adventure notes: If you have 16k, you must type PMODE 0: PCLEAR 1<enter> before loading the adventure. You can use 3 character abbreviations for commands (ie: OPE DOO for OPEN DOOR) and 1 character for moving (ie: E for GO EAST). Use the SAVE and LOAD commands to stop the adventure in the middle and restart it later at the same place (so you can eat and sleep). Disk users - you can change the SAVE and LOAD routines to use with your disk system: Put a REM at the beginning of lines 136 and 144. Then change every -1 found in lines 137 thru 151 to a 1.

Get it in writing - Keep Text is our latest contribution to the word processing

world. You can get numbered pages with headings, and the text can be printed in paragraph form without word-splitting at the end of a line or in 2-column form as it appears on the screen. To learn how to do all of this:

- 1) Load in KeepText and run it.
  - 2) Choose menu option 2 and load in Instructions Part 1.
- If you have 32k:
- 3) Choose menu option 3 and append Instructions Part 2.
  - 4) Use menu option 4 to read (study, absorb, etc.) the instructions or menu options 5 or 6 to get a hardcopy of the instructions for reference
- If you have 16k:
- 3) Use menu option 4 to read (study, absorb, etc.) the instructions or menu options 5 or 6 to get a hardcopy of the instructions for reference
  - 4) If you have 16k, choose menu option 2 and load in Instructions Part 2. Then do step 3 again.

Notes:

- A) If you have a disk system, you will be able to use either disk or tape for your files.
- B) The program is set up for the DMP-100 printer. If the baud rate of your printer is not 1200, then you should modify line 140 for the correct baud rate code found in the Radio Shack Manual (ie: for the Line Printer VII, line 140 should read 140 **POKE150,87:B\$="600"**). Also, the Underscore and/or the Double Width Character Set routines (lines 950 and 990-1020) may not be supported by your printer and may have to be modified or ignored.
- C) You will not be allowed to INSERT a line into a file if the file is already full.
- D) After a CHARACTER ADD or CHARACTER DELETE, the <up> and <down> arrow keys will only move one line (not one page) in the command mode.
- E) If your CoCo can handle high speed and you choose to use that option, CoCo will be automatically slowed whenever I/O (to printer, tape, or disk) is performed and when the program is ended normally (menu option 8).
- F) If you STOP the program (menu option 8) and decide to reenter the program without losing the current data, just type CONT<enter>.
- G) If you get an error or exit the program abnormally and you do not wish to lose the current file in CoCo's memory, immediately type GOTO60<enter>. Then, without passing GO and without collecting \$200, immediately SAVE the data to tape or disk (menu option 1).
- H) How about a little cheat-sheet of the commands in Keep Text:

<clear> - toggles text/command modes

In text mode:

Arrows - move cursor around                      Keys auto-repeat if held down

In command mode (after execution, return to text mode unless noted by \*):

T - list commands (\*)                      I - Insert line                      D - Delete line

S - Search (if string found, hit S again to continue search)

C - Change (same as S, but hit C to change when string found)

H - Home cursor                      F - cursor to Foot                      M - go to Menu

Down Arrow - forward page (\*)                      Up Arrow - backward page (\*)

Right Arrow - add chars (\*)                      Left Arrow - delete chars (\*)

K - start of lines to move                      G - start of lines to copy

. - end of lines to move or copy                      P - Put moved or copied lines

Paragraph print codes (designated by an @ in column 1 of a line):

R - Right justify                      L - Left justify                      C - Center

B - centered double width                      / - left justified at the top of next page

U - 62 char double width title indented to column 10

NN - page headings with first N as line number 0-3, second N as 0-1

(left or right - do left first if both left and right wanted)

[ ] - text between brackets is underlined (no '@' needed in column 1)

Try Keep Text a few times, then you'll be a regular writer like me (ok, you won't be that bad...).

Just don't drop the oars - in Rowboat, you try and dock your boat without going over the waterfall (backing in seems to work best for me). You use BOTH joysticks, one joystick for each oar. This program uses MPP graphics (made popular by Superior Graphics Software), so to load and run it you MUST type `PCLEAR7:CLOADM"ROWBOAT":EXEC<enter>`. To save a tape version, load Rowboat, get a tape ready for recording, and type `CSAVEM"ROWBOAT",1536,14696,44661<enter>`.

Disk users - don't let Rowboat make you feel left out. There's a way to convert this MPP program to work on your disk system:

- 1) Load in the program with `PCLEAR7:CLOADM"ROWBOAT",2048<enter>`.
- 2) Save the graphics ONLY to disk with `SAVEM"ROW",3584,14336,138<enter>`.
- 3) Turn CoCo off, unplug disk controller, and turn CoCo on.
- 4) Load in and run the program with `PCLEAR7:CLOADM"ROWBOAT":EXEC<enter>`.
- 5) Hit <break> and edit line 1, changing every 57 to a 65.
- 6) Save the BASIC part to another TAPE with `CSAVE"BOAT"<enter>`
- 7) Turn CoCo off, plug disk controller in, and turn CoCo on.
- 8) Merge the graphics and the BASIC files (one from disk and one from tape) with `PCLEAR7:LOADM"ROW":CLOAD"BOAT"<enter>`.
- 9) Save Rowboat to disk with `SAVEM"ROWBOAT",3584,16744,44661<enter>`.

Note - There was a similar version of Rowboat (called 'Vector') by the same author in the Rainbow (November 1981) but it didn't use MPP graphics.

Now you can read it! Are you tired of program listings speeding by as you attempt the <shift>@ shuffle to stop it at the right spot? Then ListMod is for you! When it is loaded and running, you have two listing modes when you type LIST:

- @ - toggles between slow LIST and controlled LIST
- P - in controlled LIST only: one screenful at a time displayed
- Up Arrow - in controlled LIST only: fast continuous scrolling

ListMod, as it is now, sits at the top of 16k memory. So to load it, execute it, and protect it type `CLEAR200,16242:CLOADM"LISTMOD":EXEC<enter>`. However, the routine is completely relocatable, so to have a similar version at the top of 32k just type `CLEAR200,32626:CLOADM"LISTMOD",16384:EXEC<enter>` (once you have your own 32k version saved to tape or disk, don't type in the offset '16384' when loading your version). To save a 16k version to tape type `CSAVEM"LISTMOD",16243,16383,16243<enter>` and for a 32k version type `CSAVEM"LISTMOD",32627,32767,32627<enter>` (use `SAVEM` to save a version to disk).

ListMod notes: This program is short (141 bytes). When you load and execute it, the computer just comes back with 'OK'. Before you decide that nothing has happened, try `LISTING` a BASIC program that you have in memory. It should be working...

Watchin' those curves...

Last month's Curve Fit didn't quite. The author has sent the following modifications (it only looks like a rewrite) to correct the bugs and to add a couple of enhancements:

- 1) Delete lines 264, 267, and 268
  - 2) Edit the following lines:
- |                                |                                  |
|--------------------------------|----------------------------------|
| 22 E=0:ZX=0:WX=0:ZY=0:WY=0:A=0 | 292 FOR1=1 TO (R*2)STEP5:GOTO577 |
| 30 IFA=10 THEN A=0:GOSUB314    | 293 FOR1=1TOR*2:GOTO577          |
| 241 IFR\$="Y"THEN16ELSE301     | 343 GOSUB374                     |
| 266 FOR 1=N+1 TO N*2           | 348 E=E+1:IF E=6 THEN H=1        |
| 272 AY=PEEK(1700+1)            | 349 IFE=6 THEN E=0:GOSUB314      |

273 CB=(182-(178/(C\*2))\*AY)

351 NEXTJ:GOTO360

274 IFCB<=0 THEN CB=1

275 IFCB>182 THEN CB=182

276 LINE-(X,CB),PSET

291 FORI=1TON\*2:X=(232/(N\*2))\*I:LINE(X,182)-(X,182),PSET:NEXTI:IFR\*2 <50 THEN 293

3) Now add the following lines (some 'little' fix, eh?):

360 'REG LOAD

371 POKE1700+X,AY

361 J=X(N):FORX=N+1TON\*2:J=J+1

372 NEXTX

362 IFI=6 THEN Y=J/(A(I)+B(I)\*J):GOTO368

373 GOTO352

363 IFI=5 THEN Y=1/(A(I)+B(I)\*J):GOTO368

374 IFY>255 THEN Y=255

364 IFI=4 THEN Y=A(I)+(B(I)/J):GOTO368

375 IFY<1 THEN Y=.1

365 IFI=3 THEN Y=A(I)\*(J↑B(I)):GOTO368

377 M=(182-(178/(D\*2))\*I)

366 IFI=2 THEN Y=A(I)\*EXP(B(I)\*J):GOTO368

379 LINE(6,M)-(6,M),PSET

367 Y=A(I)+B(I)\*J

380 NEXTI

368 GOSUB374

381 GOTO294

369 AY=ABS(Y)+.5

370 IF AY<=1 THEN AY=1

The author has promised that the program has now "been through the mill and survived unscathed."

Drivin' me nuts...

We just took BOTH of our CoCo's disk drives back to R/S for repair. This is not the first time (and probably not the last). In talking to other users and reading letters to the editor in other magazines, I saw that our problem wasn't unique. So I started asking around and have come to the conclusion that the Radio Shack Color Computer drives are LOUSY! What can you do about it? If you already own those drives, there isn't much you can do. If you are thinking about getting drives, you're in luck! Just order the DOS ROMPACK from Radio Shack separately (they'll probably have to special order it). Then buy 5 1/4 inch external drives (so that each drive has its own power supply) for some OTHER computer (Radio Shack's external drives for the Model I or III work fine!). In my mind, there are just GOOD drives and BAD drives - if they work 100%, then they are good, otherwise they are bad! *Dave*

**NEW** for the Color Computer TRS-80  
**'COCOCASSETTE SUBSCRIPTION SOFTWARE**  
TRS-80 IS A TRADEMARK OF TANDY COMPANY



ENJOY A MONTHLY COLLECTION OF 8-10 PROGRAMS!  
 Including games, education, home finance and more:  
 on cassette for as low as \$5.00 a month! Add some ac-  
 tion and imagination to your Color Computer... Best of  
 all, we do the work!

**PRICES**  
 1 YR (12 ISSUES) . . . \$55.00  
 6 MO (6 ISSUES) . . . \$30.00  
 SINGLE COPIES . . . \$ 6.00

-MICHIGAN RESIDENTS ADD 4% TO ORDER  
 -OVERSEAS ADD \$10.00 TO SUBSCRIPTION AND \$1.00 TO  
 SINGLE COPIES

**T&D**  **SUBSCRIPTION SOFTWARE**  
 PROGRAMS ARE FOR  
 EXTENDED BASIC  
 MODEL ONLY ISSUES  
 ARE SENT FIRST CLASS

**T & D SOFTWARE** P.O. BOX 256-C • HOLLAND, MICH 49423

