

Sleeping it off...

There are things that one never forgets from their school years. I, for one, learned how to sleep sitting in a chair. I haven't figured out how to keep my head from bobbing, however. So here I sit, with Robin and Donna watching as the fingers lay dormant. I can always claim writer's block, but that excuse becomes a bit weak when 'pivot-brain' sets in. I tell them how EXCITING it is to write these sheets, but I don't think they believe me. Especially since they just presented me with a pillow...



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September 1982

Filename	English Translation	PMODE	PCLEAR	Locations
BOXCOV	Box Cover	3,4	4	9 & 150
PICKEM	Pickem	(2)	(4)	27 & 163
WILLADV	Williamsburg Adventure	0	1	47 & 179
TYPETUTR	Typing Tutor	0	1	77 & 202
TAPEINV	Tape Inventory	0	1	102 & 222
BASICMAP	BASIC Map	0	1	120 & 237
GERM	Germ (CLOADM EXEC)	(2)	(4)	139 & 252

Locations are for the R/S CTR-80. 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 (POKE 65494,0).

Now you can accuse us of being square with Box Cover.

On your mark, get set, Pickem! See how fast your reactions are! Use your joystick to match the random color block to one of the color blocks in the corners. Do it fast! - right now! - immediately (don't I sound like a parent?)!

Read Me - If you only have 16K, you will have to type 'PMODE 0 : PCLEAR 1'<enter> before loading any of the next FOUR programs.

A horseshoe of a different color - Gold! Go on a Williamsburg Adventure to find it. Like most adventures, you give it one or two word commands (like INVENTORY or GO SHOP) to feel your way around Williamsburg, picking up clues and objects to help you on your quest. Notes: You can use 3 letter abbreviations for commands (ie: DRO BOO for DROP BOOK), one letter will suffice for going in a direction (ie: N for GO NORTH), LOOK puts the current description on the screen, and HELP can be a valuable command.

Make typing easier (hear, hear!). Practice with Typing Tutor. Be sure to type (funny, ain't it) 'PMODE 0: PCLEAR 1'<enter> before loading the program if you only have 16K.

Is it getting hard to remember which tape has that one program you want to run (we've only published 15 tapes with 101 programs so far...)? Then Tape Inventory is for you. This cute little program lets you make, update, sort and store a catalog of all of your programs and where you can find them. There are some neat features in this program - it knows how much memory you have and adjusts the CLEARed string space accordingly. It also saves the inventory to disk (instead of tape) automatically if you have disks hooked up to your CoCo. Speaking of disks, you disk users are probably saying, "what do I want with a Tape Inventory?" Well, just pretend that your disks are flat tapes and you can use this program as a disk inventory. A brief description of the info that Tape Inventory stores is below:

- 1) Sequence number (3) - Sort of a program ID number (ie: games could be numbers 100-199, with space games numbers 120-139, and two player space games number 123).
- 2) Tape number (3) - Or disk number!
- 3) Program name (8) - Self explanatory.
- 4) Type of program (1) - ie: B for BASIC, M for machine language, D for data, etc.

5) Position on tape (5) - From the tape counter. Disk users can ignore this field or use the 5 characters for some other info.

6) Remarks (10) - Your own mini-editorial on the program!

The number following each of the fields listed above is the maximum number of characters the particular field will take. If you type more characters they will be dropped off (ie: if you type 'MOON BLAST' as the program name it will be stored and listed as 'MOON BLA' - probably a more appropriate name).

Note: You should type 'PMODE 0: PCLEAR 1' <enter> before loading Tape Inventory. When you are finished with the program, turn the computer off and then on or type 'CLEAR 200' <enter> before loading in another program. In case you didn't know, hitting the RESET button or typing 'NEW' <enter> does NOT change the CLEAR, PMODE, or PCLEAR values that were set in a previous program. Only turning the machine off and then on again returns the computer to the 'initial' state (CLEAR 200: PMODE 2: PCLEAR 4) that programmers expect the computer to be at when they write programs.

Better than flea powder - if you're trying to follow the 'logic' of a BASIC program that jumps all over the place with GOTO's and GOSUB's, Basic Map can be invaluable! First, you must SAVE or CSAVE a program in ASCII format (ie: CSAVE"MOONBLA",A). Then load and run Basic Map. Basic Map loads in other programs as data (that's why they must be saved in ASCII), lists them to the screen or to a printer (our cover programs can be listed to a printer without turning on all kinds of control codes), then tells you which lines contain GOTO's and GOSUB's and what lines they referenced.

Basic Map is set up for a tape system, but it will work fine on a disk system if you change the following lines:

```

Retype line 170 as 170 OPEN ":",#1,F$
Change the EOF(-1) in line 200 to EOF(1)
Retype line 210 as 210 LINE INPUT #1,A$
Delete lines 1610 and 1620
Change the CSAVE in line 1540 to SAVE

```

Note: Be sure to type 'PMODE 0: PCLEAR 1' <enter> before loading Basic Map if you only have a 16K CoCo.

Aaaaaachoo! Germ pits you against swarms of little creepies. You use the joystick or the arrow keys to move your base and the red button or the 'F' key to fire. As an added feature, the 'S' key changes the colors of the screen display! You'll like this game.

To load Germ, type 'CLOADM"GERM"' <enter>. Now type 'EXEC' <enter> and you are on your way! To save a backup copy, type 'CSAVEM"GERM",&H1010,&H1853,&H1010' <enter>.

If you have a disk system, load Germ as described above, but DO NOT EXEC it. Now save it to disk by typing 'SAVEM"GERM",&H1010,&H1853,&H1010' <enter>. You can now load Germ by typing 'LOADM"GERM"' <enter> and run it by then typing 'EXEC' <enter>. Warning - Germ does funny things to the disk system, so when you are done disinfecting, turn CoCo off and then on to regain control.

If you'd like to change the parameters of Germ:

Number of landings (initially 8)	Number of targets (t is initially 9)
POKE &H110E,n	POKE &H114A,t
POKE &H120D,n	Maximum speed (initially 10)
POKE &H1674,ASC("n")	POKE &H1442,s
n is a number from 1-9	s is an even number from 2-10

Horizontal Spacing of the targets	Vertical
POKE &H1156,h	POKE &H1157,v
h is an even number (initially 20)	v is initially 4

Droppin' a line...

May's Notebook program got a lot of favorable reviews, but many of you wanted it to print more than 32 characters across on paper (picky, picky). With the following mod, two screen lines are printed on one paper line, giving you 64 characters across. Also, a left margin of 9 spaces is added to center the text on the page (thanks to those of you who sent in various versions of this):

```

61 FORI=0T07:PRINT#-2,STRING$(9,32);:FORJ=0T02:FORI1=0T031
62 I2=PEEK(PC+((I*2)+J)*32+11):IF I2>95THEN I2=12-64
63 PRINT#-2,CHR$(I2);:NEXT I1,J:PRINT#-2:NEXT I:RETURN

```

Pick an Item, any Item...

Bob van der Poel of Edmonton, Alberta, Canada added the following lines to the July Menu program so the program itself, its data file, and any file with a lower case extension wouldn't be listed:

```

451 IF PNS="MENU/BAS" OR PNS="DISK/DAT" THEN 480
452 IF ASC(MID$(PNS,LEN(PNS)-2,1))>90 THEN 480

```

bits and pieces...

George Haberman of Savannah, Georgia mentioned that THE place to order parts for CoCo may be National Parts (1-817-870-5662).

Checkin' around...

Tony Berger of Northville, Michigan sent in the fixes to make February's Check Register work on a 32K disk

system:

- 1) Change lines 10 and 16 to '10 CLEAR 6500' and '16 S=500'.
- 2) Change the word 'TAPE' in lines 50, 52, 1000, and 2000 to 'DISK'.
- 3) Change lines 1010 and 2010 to 'INPUT<ENTER> WHEN DISK IN';11\$:UNLOAD'.
- 4) Change 'PRINT' in line 1050 to 'WRITE'.
- 5) Change the '-1' in lines 1030, 1040, 1050, 1075, 1099, 2020, 2030, 2040, 2050, 2090 to '1'.

Sorta fun...

Need a break from debugging your latest programming endeavor? George Janssen of Ballwin, Missouri sent us a mostly useless routine that sorts all of the characters on the screen. Just type in the program, RUN it, then whenever you wish to screen sort, type 'EXEC'<enter>:

```
10 CLS: FOR I=489 TO 552: READ A: POKE I,A: NEXT
20 POKE 157,1: POKE 158,233: REM SET UP EXEC ADDRESS
30 DATA 174,141, 0, 56,175,141, 0, 50, 16,174,141, 0, 49
40 DATA 166, 0,161, 32, 47, 6,230, 32,167, 32,231, 0, 49, 63
50 DATA 16,172,141, 0, 26, 46,235, 48, 1,175,141, 0, 18
60 DATA 16,174,141, 0, 17,172,141, 0, 13, 45,218,173,159,160, 0
70 DATA 39,250, 57, 0, 0, 4, 0, 6, 0
```

You might try the following program to see how the routine works:

```
10 FOR I=0 TO 511: PRINT@I,CHR$(RND(159)+32);: NEXT: EXEC
```

Gripe, grumble, and groan...

I like the Color Computer. I think it is well designed and fun! And I buy Radio Shack peripherals to go with it. Why? Well, it seems because I am a darn fool! I know that Tandy listens to complaints, I just wish that they would do more about them. For instance, the joysticks are the WORST! We are on our THIRD pair (six joysticks)! The handle broke off one, the handle bent on another, the red button stuck on one, and on 5 out of six the 'play' is erratic due to the cheap potentiometers used by R/S. And we aren't too rough on 'em! How about the CTR-80A recorder? We have three. One is dead, one doesn't record reliably, and the play button has worn out twice on the 'good' one. This is their recommended tape storage device! Does Radio Shack really believe that the saving of data is so unimportant? Finally, we only HAVE to have 3 backups of our CoCo disks at any one time because they crash so regularly on the R/S drives. Yes, we do type 'UNLOAD' before swapping disks and have 'VERIFY ON' at all times. Still, we lose a few programs or an entire directory every other day. C'mon, Tandy! It's time to realize that the add-ons are as important as the computer itself and start making them reliable.

Makin' backups again,

Dave

ed.

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The Bottom Line:

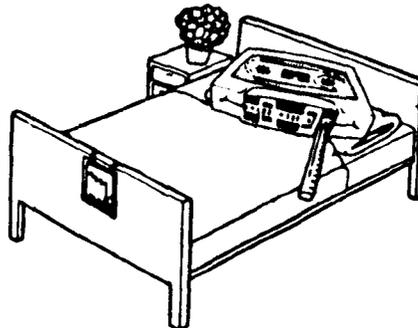
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