T & D SUBSCRIPTION SOFTWARE

File Name	English Name	PMODE	PCLEAR	LOCATIONS CTR-80A	CCR-81
GRUMPS	Grumps	4	4	48-261	25-197
DISKSPED	Disk Drive Speed Test	1	1	70-273	38-210
SOC-INS	Solar Conquest	0	1	81-279	44-216
GAS COST	Gas Cost	3	1	130-311	79-256
RIME	Rime World Mission	4	4	143-321	91-269
WUMPUS	Wumpus	4	4	177-342	115-300
CHAREDIT	Character Editor	3	4	196-354	131-318
GRAFTEXT	Graphic Text	3	4	218-368	152-341
LOOPY	Loopy	1	3	224-373	158-348
BOLDPRNT	Bold Print	1	1	236-383	170-364

DISK USERS: Insert disk and run 'DSK-CASSETTE-TAPE USERS: Rewind tape. Zero the tape counter.
Fast Forward to desired program's tape counter number and enter 'CLOAD' or 'CLOADM'.
If while loading or running a program, you get a FC, OM, or SN error, you probably have to enter the
PMODE and PCLEAR values from the numbers above, then
duplicate of the program from your alternate. If the first program of the first copy does not
load, try the second copy, or if it has one, the third. If you cannot get the
tape or disk to load the programs properly, then send it back for a prompt
replacement.

Welcome to our 41st edition of Coco-Cassette. December's
issue is almost finished. As for January's issue, we are planning
on sending it the first of January. Wouldn't it be nice to get a
couple issues ahead?

1. **GRUMPS** - This program is based on a very old puzzle called
Chinese Rings. There is only one solution and it is 169 steps
long. Your task in this game is to get all eight of the Grump
brothers smiling at the same time.

2. **DISK DRIVE SPEED TEST** - This utility program will test and
display the angular speed of your color computer disk drive. The
drive speed should be 300 RPM, although 295 to 305 is a normal op-
erating range. During the test there must be a formatted disk in
the drive being tested. The data on the disk is not corrupted.

3. **SOLAR CONQUEST** - This program is a war game of strategy for
2, 3, or 4 players. The object is to conquer as many stars as
possible, and then hold on to them. The instruction program will
automatically load the game Solcon.

4. **GAS COST** - This home applications program can be used to keep track of your monthly and yearly natural gas use. Data may be saved/loaded with tape and disk. Screen and printer output is supported. Also included is a high resolution three dimensional graph.

5. **RIME WORLD MISSION** - Before loading this program you should turn the computer off and on and then enter PCLEAR 1. IME is a 32K adventure game. You start the game in the cockpit of a grounded space ship. Can you save the two planets along with the billions of lives?

6. **WUMPUS** - The object of this computer game classic is to travel the network of caves in search of the Wumpus. Beware! Do not enter a room with the Wumpus and watch out for bottomless pits.

7. **CHARACTER EDITOR** - This utility is an instructional program and character set editor for the next program GRAFTEXT. If you do not wish to edit GRAFTEXT, there is a program called GRAFDEMO which will demonstrate the character set and the color combinations which are available.

Note: The next three programs are machine language programs. You must enter 'CLOADM' instead of 'CLOAD' and 'EXEC' instead of 'RUN'.

8. **GRAPHIC TEXT** - This machine language utility program provides a 32 column per line display on the high resolution screen. The features are: True upper/lower case with decenders, selectable color characters (4 foreground and 4 background colors), supports PMODE 3 and PMODE 4, supports PRINT@, CLS, and More! To load and execute GRAFTEXT: 16K - Enter CLEAR 200,14499. (C)LOADM "GRAFTEXT". Enter EXEC. 32K - Enter CLEAR 200,30883. (C)LOADM "GRAFTEXT", 16384. Enter EXEC. To save Graftext, enter (C)SAVEM "GRAFTEXT", 14500,16352,14500.

9. **LOOPY** - The object of Loopy is to use the right joystick to loop a line around targets. Some targets will fall so speed is required. To save this program to tape or disk, enter (C)SAVEM "LOOPY",9574,15983,9574.

10. **BOLD PRINT** - This machine language utility will cause your printer to print over a line several times to make it bolder. This utility will only work if your printer has a "CARRIAGE RETURN WITH-OUT LINEFEED" control code. For most Radio Shack printers the code is 26. Check your printer manual if your not sure. You can control several functions of this program with POKE statements. Memory location 277 contains the control code to be used by the program. When BOLDPRINT is executed, location 277 is set with 26. You should POKE 277, your printer control code if it is not 26. Location 278 controls the number of times that a line will be printed on top of itself. Location 278 is initialized with 3. Location 279 should be set to your printer width in columns -1. Location 279 is initialized with 79 (for 80 column printer). To load and execute: 16K - Enter CLEAR 200,15999. (C)LOADM "BOLDPRNT". Enter EXEC. 32K - Enter CLEAR 200,32383. (C)LOADM "BOLDPRNT",16384. Enter EXEC. To save this program, enter (C)SAVEM "BOLDPRNT",16000,16323, 16000.

Until next month....