

Fakin' respectability...

Just a week ago our shop was in an 800 sq. ft. house. Now we have 2000 sq. ft. at the bottom of an office building. A tile floored production room (Rose's domain), carpeted offices (for Robin, Donna, and I), a corner room for editing programs (Tom and Grady's hideout), and LOTS of storage space (more room to lose things). Did we get out the ties and high heels? No (they don't go with T-shirts). But I did get my very own desk...



PO Box 1087,
Santa Barbara, CA 93102
(805) 963-1066

March 1983

```

*****
*
*  Filename      English Translation      PMODE PCLEAR  Locations      *
*
*  BIRDCOV      Bird Cover                4      4      5/152  5/166  *
*  MICROBE     Munchin Microbe          1      2      24/164 26/179 *
*  UTOPIAN     Utopian                   2      2      39/177 43/193 *
*  TAX         Tax Helper                (0)    (1)    64/196 70/214 *
*  PIE         Pie Chart                  4      4      94/219 102/239 *
*  LANGINS     Language Drill Instructions (2)    (4)    111/233 121/254 *
*  LANGDRL     Language Drill            0      1      123/242 134/264 *
*  SPANISH     Data for Language Drill   135/252 147/275 *
*  FLYBY      Flyby (16k version)      (2)    (4)    142/257 155/280 *
*
*  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).
*
*****

```

One for the birds - Bird Cover draws a random pattern on the screen that gives the appearance of depth. And there's more! The cover randomly changes parameters, but you can force them to change if you want to. Hitting the arrow keys will change the direction of the 'bird', the angle can be changed by hitting the A key, and the color can be changed by hitting the S key.

Got enough protein in your diet? You're an antibody (take that, Nautilus) in Munchin Microbe. Your job is to move around the screen eating proteins while avoiding the growing 'plasms. Use the right joystick to move, but don't move too fast or you'll jump right over the proteins.

I don't want much, a Utopian environment will do (no editorials to write!). The object of the game is to have your country prosper through the wise management of these expenditures: Housing (50), School (30), Hospital (70), Crops (10), and Factory (40).

Utopian notes: 1) If you have 16k, you must type PCLEAR2<enter> before loading the program. 2) After using the arrow keys or the joystick to mark the location of your new purchase, hit <enter> or push the red button to make the purchase. 3) To get back to the menu from anywhere, hit <space bar>.

A little assistance for Unca' Sam - Tax Helper will give you a hand with Form 1040.

First, gather all your tax data. Second, get the tax forms and a pencil. Third, run the program to help you fill out the forms. Fourth, pull your hair out... Note: If you have 16k, you will need to type `PMODE0:PCLEAR1<enter>` from the keyboard before loading Tax Helper.

As American as apple... Pie Chart is another data plotting program (Bar Chart and XY Graph were in last month's issue). Here's what you can do:

To get back to the menu from a chart, hit Q.

ENTER DATA - If you get to this option by accident, just answer N to the 'New Data?' question. Up to 10 sections can be entered (if you have more than 16k, you can change the `SG=9` in line 10 to something greater for more sections).

ROTATE - Rotates the chart clockwise by specified amount (text lost).

CHANGE RADIUS - To change size of chart (text lost).

SELECT FILL TYPE - Make sections solid, lined, or blank (initially blank).

DATA LIST - Lists the current data, percentages, and fill types.

REDRAW - Clear screen and redraw filled chart with current data (text lost). Do this after a Rotate or Change Radius to see filled chart.

ADD TEXT - Add titles and labels to the chart (should be done AFTER the chart itself is finalized). The cursor is normally controlled by the arrow keys. To use the right joystick, press J. A or any other command returns you to the arrow key mode. I lets you put ONE character (letter, numeral, <space>, or ! ? \$ % . - () character) at the cursor location. P puts the nearest section's percentage at the cursor location. S puts a block at the cursor location.

LIST TEXT COMMANDS - Lists the commands for ADD TEXT.

DISPLAY GRAPHICS SCREEN - Display the current graph or chart.

Will it teach Mumble? Language Drill can help you learn another language (Robin has been trying to get me to learn English for quite a while). First, run Language Drill Instructions to see how the program works. Then run Language Drill. You can set up your own list of words, review the current list of words, test yourself on the list (isolating problem words), etc. You can also save the current list of words to tape or disk for use later. Which brings me to Spanish Data. This file was included so that you could learn a little Spanish while you try out Language Drill.

First, run Language Drill. Choose the 'I/O MENU' option. If you have a disk system, you'll have to 'CHANGE I/O DEVICE' to load the data from tape the first time. Next, 'LOAD DATA FROM TAPE' using the filename SPANISH. Note: When you're asked to translate a word in the Drill Mode, entering M will get you back to the main menu.

And just 'cause we only like a little egg on our faces, we have a bonus program for you - a 16k version of Flyby. Last month's version fit in 16k, but the data it used was scooped up in the 32k area of RAM. This is nearly impossible for us to check with the machines we use here, so we missed it. But the author spotted the problem and graciously sent us this (tested) version. To reiterate:

Flyby is a cute looking game in which you try to shoot ducks (10 points), faces (25 points), and planes (50 points) as they 'fly by' on the screen. Use the left and right arrow keys to move and the spacebar to fire. The program is in machine language so to run it type `CLOADM*FLYBY*:EXEC<enter>`. To make a copy of the program type `CSAVEM*FLYBY*,4000,7815,4000<enter>` (use SAVEM to save to disk). Note: We noticed that the program acted funny on ONE of our CoCos if the joysticks were plugged in. We unplugged the joysticks and it worked fine.

Excuses, excuses...

A word about bugs: You may have heard the comment, "There is always one more bug". Believe it! Each month we go through about 60 program submissions (ask us for submission info if you want to show us your programs) to get the best programs for our issues. The 8 or so picked are then tested and edited to the best of our abilities. However, the best testers are the users (YOU!), and you will sometimes find a flaw in a

ogram that we have missed. We try to be perfect, but we aren't (surprise). We will attempt to correct any bugs that are found and we will strive to catch bugs before they get out of the shop. In the meantime, here's a couple we missed:

Edgar Poulin of Sherbrooke, Quebec, Canada noted that the program length given in the Super Directory of last month's Disk Aid was 9 bytes too long. To correct this change the (TS-1)+NB-1 in line 312 to (TS-1)+NB-10.

R. W. Odlin of Sedro-Wooley, Washington noted that there was a way to cheat in December 1982's Mr. Munch. To de-cheat the program (no, I won't tell you how to cheat), change the B=67 in line 101 to B=67-(Y=67)*22.

There's gonna be a party...

The Rainbow Magazine is sponsoring a Color Computer trade show extravaganza called RAINBOWfest at the Regency-Hyatt Woodfield in Chicago from April 22-24. There will be displays, people, seminars, people, products, people, etc. The cost is \$7.50 for a 3-day pass (\$11 at the door), \$5 for a one day pass (\$7.50 at the door), and \$10 for a Saturday breakfast and speaker. For information and/or reservations contact the Rainbow, Attn. RAINBOWfest, PO Box 209, Prospect, KY 40059. Phone: (502) 228-4492. Unfortunately, we will not see you there - but you can tell us all about it.

Drivin' again...

A couple of months ago I mentioned having some problems with the Radio Shack CoCo disk drives. After the third repairing, it appears that ours are working fine (so far). Be that as it may, I hear talk that Radio Shack has attacked the quality control problems that plagued our drives and has them under control. However, if you still are drive shy and wish to buy the Disk ROMPACK by itself for use with other drives, you can get it from National Parts (817-870-5662) with the following numbers:

| | | | | | |
|--------|----------|----------|-------|---------|---------|
| Board | AX-9060 | \$107.77 | Cover | AZ-6839 | \$2.43 |
| Shield | ART-3878 | \$1.00 | Cable | AW-2769 | \$25.69 |

plus \$1.50 shipping.

MX is more than a missile...

Bob van der Poel of Edmonton, Alberta, Canada (do we have a lot of Canadian subscribers!) sent in this graphic screen dump routine for an MX-80:

```

100 PMODE 4,1: SCREEN 1,1
110 SC=PEEK(186)*256+PEEK(187): REM START OF GRAPHIC SCREEN
120 PRINT#-2,CHR$(27)"A"CHR$(8): REM SET 8 BIT LINE SPACING
130 FOR X=SC TO SC+31: REM DO COLUMNS
140 PRINT#-2,TAB(10)"": REM LEFT MARGIN
150 PRINT#-2,CHR$(27)"K"CHR$(193)CHR$(0): REM SET PRINTER TO GRAPHICS
160 FOR Y=6144 TO 0 STEP -32: REM DO EACH ROW
170 P=PEEK(X+Y): REM GET GRAPHIC BYTE
180 P=ABS(P-255): REM DELETE THIS FOR REVERSE PRINT.
190 PRINT#-2,CHR$(P): REM MX-80 IT
200 NEXT Y: REM NEXT ROW
210 PRINT#-2: NEXT X: REM NEXT COLUMN
220 PRINT#-2,CHR$(27)"@": REM RESET PRINTER

```

Up'n'up...

A reminder that as of April 1, 1983, Chromasette will cost \$50 for 12 months, \$30 for 6 months, and \$6 for single copies. Renew now and beat the rate increase!

Gotta unpack,

Dave