

\$.80

DECEMBER/1987

CANADIAN \$1.00

VOLUME 1
NUMBER 6

TRS-80 COMPUTING

HAPPY HOLIDAYS!



ORIGINAL PROGRAMS FOR:

THE TRS-80 COLOR COMPUTER 2

INTERESTING ARTICLES FOR:

TANDY, AND OTHER COMPUTERS

TABLE OF CONTENTS

TRS-80 COMPUTING

I. GRAPHICS PROGRAM-#5.....	2
II. TRS-80 SOFTWARE.....	3
III. WHAT'S ON SALE.....	4
IV. THE PROGRAMMER	
HOLIDAY SURPRISE.....	6-7
V. PROGRAMMING THE TRS-80.....	9
VI. MACHINE SPECIFICS.....	10
VII. CHRISTMAS TRIVIA SHEET.....	11
VIII. CLASSIFIED.....	12

GRAPHICS PROGRAM-#5

This month's graphic program is called 'Merry Martian'.
Who says Martians are green and mean? This little guy winks and smiles and
raises his eyebrows all the while.

THE PROGRAM:MARTIAN

```
0 CLS
1 PRINT:PRINT TAB(8)"MARTIAN"
2 PRINT:PRINT TAB(4)"          MARTIAN"
3 PRINT:PRINT TAB(10)"    MARTIAN"
4 PRINT:PRINT TAB(14)"              MARTIAN"
5 PRINT:PRINT TAB(20)"                MARTIAN"
6 FOR X=1 TO 3000:NEXT:CLS
120 PMODE 1,1
130 PCLS
140 SCREEN 1,1
150 DRAW"BM129,130;R70;G14;H10;G10;H10;G10;H10;G10;H10;G10;H10;G10;H10;G10;H14;R
78"
160 CIRCLE(086,086),20,3
170 CIRCLE(172,86),20,3
180 CIRCLE(126,99),07,4
190 DRAW"BM60,50;U4;R30;D4;L30"
200 DRAW"BM 168,50 ;U4;R30;D4;L30"
210 CIRCLE(126,96),95,3
220 CIRCLE(90,90),10,3
230 CIRCLE(176,90),10,3
240 PAINT(90,90),6,3
250 PAINT(176,90),2,3
260 CIRCLE(90,90),5,0
270 CIRCLE(176,90),5,0
280 PMODE 1,3
290 PCLS
300 DRAW"BM129,130;R70;G7;H5;G5;H5;G5;H5;G5;H5;G5;H5;G5;H5;G5;H5;G5;H5;G5;
H5;G5;H5;G5;H5;G5;H7;R125"
310 CIRCLE(86,86),20,3
320 CIRCLE(172,86),30,1,.50,0
330 CIRCLE(126,99),7,4
340 DRAW"BM60,50;U8;R30;D8;L30"
350 DRAW"BM168,50;U8;R30;D8;L30"
360 CIRCLE(126,96),95,3
370 CIRCLE(90,90),10,3
380 CIRCLE(176,90),10,3
390 PAINT(90,90),6,3
400 PAINT(176,90),2,3
410 CIRCLE(90,90),5,0
420 PMODE 1,1
430 SCREEN 1,1
440 FOR I=1 TO 200:NEXT I
450 PMODE 1,3
460 SCREEN 1,3
470 FOR I=1 TO 200:NEXT I
480 GOTO 420
```

TRS-80 SOFTWARE . . .

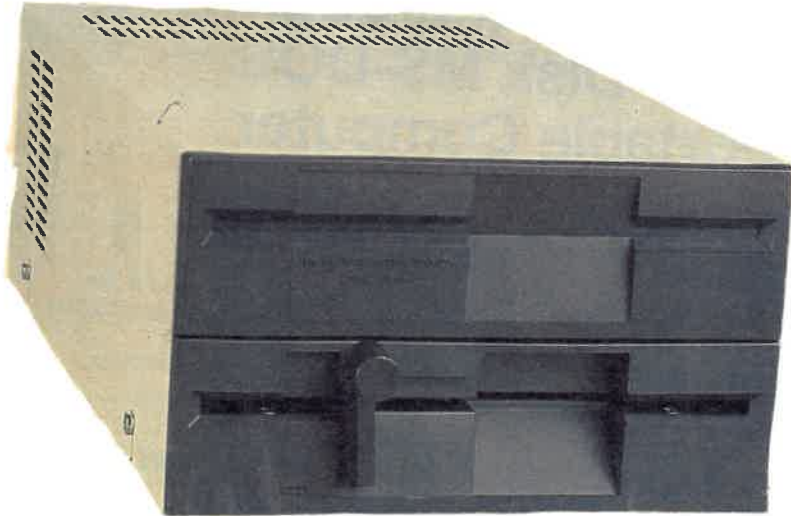


- Where in the World is Carmen sandiego? A game of pursuit through the great cities of the world. Disk-Based. #26-3243, \$34.95
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- NEW! Phantomgraph.....\$39.95
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WHAT'S ON SALE?

COLOR COMPUTER HARDWARE...

FD-502 COLOR THINLINE DISK #0



~~\$219.95~~

Reg. \$299.95

Give the perfect compliment to the color computer! Turn any color computer with Extended BASIC into a complete disk system and store over 156,000 characters of data. You can write your own sophisticated disk applications or choose from a variety of ready-to-run software such as entertainment, education, word processing and other applications. UL listed AC #26-3133

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128K COLOR COMPUTER 3.....Reg.\$199.95.....SALE-\$129.95!

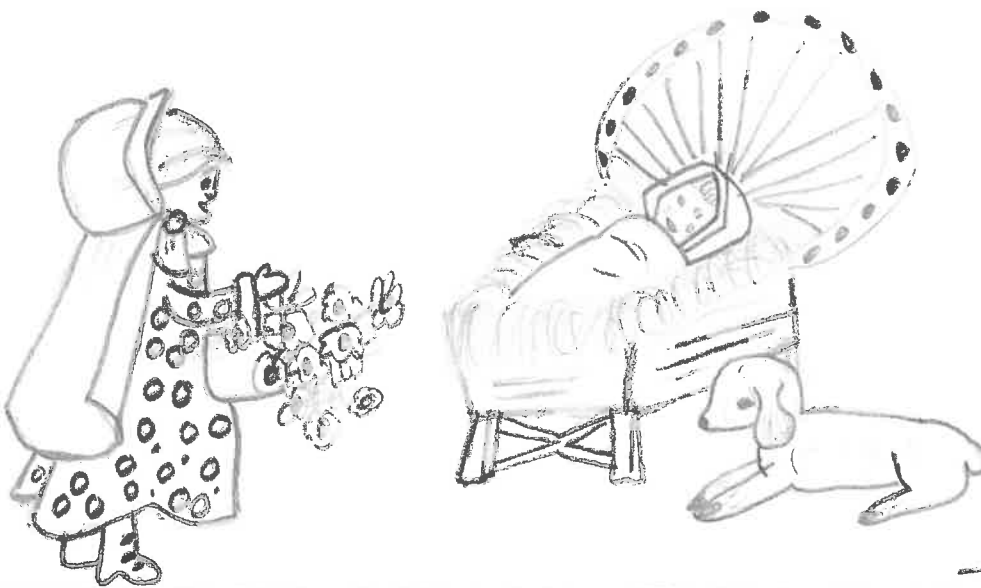
DMP-130A PRINTER.....Reg.\$359.95.....SALE-\$249.95!

COLOR COMPUTER SOFTWARE...

SEE PAGE 3 OF THIS MAGAZINE

THE PROGRAMMER

Merry Christmas!



-Joseph Aheron

D E C E M B E R

THIS MONTH'S PROGRAM:
HOLIDAY SURPRISE!

HOLIDAY SURPRISE!

BY: DAVID MCNALLY

Type this program and save it on cassette or disk, but don't open it (or RUN it) until Christmas!

THE PROGRAM:HOLIDAY

```
0 A=1
2 GOSUB 100
3 FOR T=1 TO 1020:NEXT T
10 SOUND 58,6:SOUND 58,6:SOUND 58,9:FOR T=1 TO 45:NEXT T
12 SOUND 58,6:SOUND 58,6:SOUND 58,8:FOR T=1 TO 45:NEXT T
14 SOUND 58,6:SOUND 89,6:SOUND 5,6:SOUND 32,5
15 SOUND 58,9
17 FOR T=1 TO 51:NEXT T
19 SOUND 78,6:SOUND 78,6:SOUND 78,6:SOUND 78,6
20 FOR T=1 TO 10:NEXT T
21 SOUND 78,6:SOUND 58,6:SOUND 58,6:SOUND 58,7
22 IF A=2 THEN 35
23 FOR T=1 TO 15:NEXT T:SOUND 58,6:SOUND 32,6:SOUND 32,6:SOUND 58,7
25 FOR T=1 TO 10:NEXT T:SOUND 32,10:SOUND 89,5
27 FOR T=1 TO 55:NEXT T
28 A=A+1
29 GOTO 10
35 FOR T=1 TO 10:NEXT T
36 SOUND 89,6:SOUND 89,6:SOUND 78,6:SOUND 32,7:SOUND 5,9
40 FOR T=1 TO 1000:NEXT T
42 GOTO 120
100 CLS(5):PRINT@73,"*";
102 PRINT@104,"***";
104 PRINT@135,"*****";
106 PRINT@166,"*****";
108 PRINT@197,"*****";
110 PRINT@233,"*";
112 PRINT@265,"*";
114 PRINT@296,"( )";
115 RETURN
120 CLS(0):CLEAR 1000:DIM B$(10)
121 A$=CHR$(143+48)+CHR$(143+48)
122 B$=A$+A$+A$+A$+A$
125 PRINT@234+32,B$;
126 PRINT@234,B$
127 PRINT@234+32+32,B$;
128 PRINT@234+32+32+32,B$;
129 PRINT@234+32+32+32+32,B$;
130 PRINT@234+32+32+32+32+32,B$;
131 PRINT@234+64+64+32,B$
132 PRINT@234+64+64+64,B$;
133 PRINT@234+64+64+64+32,B$;
134 PRINT@234+64+64+64+64,B$
135 SET(30,13,1):SET(29,13,1)
136 FOR T=1 TO 1028:NEXT T
137 X=1:P=1:L=1
138 SET(30,11,4):SET(29,11,4)
```

```

139 SOUND 89,10
140 SOUND 108,11
141 SOUND 89,10
142 SOUND 58,14
143 FOR T=1 TO 500:NEXT T
144 X=X+1:IF X=2 THEN 139
145 SET(30,11,2):SET(29,11,2)
146 SOUND 147,12:FOR T=1 TO 30:NEXT T:SOUND 147,12
147 SOUND 125,11:SET(30,11,8):SET(29,11,8)
148 FOR Y=1 TO 800:NEXT Y:SOUND 133,12:FOR T=1 TO 35:NEXT T:SOUND 133,12
149 SOUND 89,11
150 FOR T=1 TO 700:NEXT T
151 SOUND 108,8:FOR T=1 TO 60:NEXT T:SOUND 108,8
152 SOUND 133,9:SOUND 125,8:SOUND 108,10
153 SET(30,11,4):SET(29,11,4)
154 SET(30,11,8):FOR T=1 TO 30:NEXT T:SET(30,11,4)
155 FOR T=1 TO 60:NEXT T
156 SOUND 89,10
157 SOUND 108,11:SOUND 89,10:SOUND 58,14
158 P=P+1:IF P=2 THEN 150
159 FOR T=1 TO 500:NEXT T
160 SOUND 147,14:FOR T=1 TO 20:NEXT T:SOUND 147,10
162 SOUND 170,12
163 SOUND 147,8
164 SOUND 125,12
165 SOUND 133,16
166 SOUND 159,18
167 FOR T=1 TO 56:NEXT T
168 SOUND 133,10
169 SOUND 89,8
170 SOUND 58,9
171 SOUND 89,15
172 SOUND 78,4
173 SOUND 32,15
174 SOUND 5,18
175 FOR T=1 TO 1000:NEXT T
176 CLS(0)
177 PRINT@8,"HAPPY HOLIDAYS!";
178 FOR T=1 TO 3000:NEXT T
179 CLS(0):PRINT@2,"WE FOUND THE PERFECT GIFT";
180 PRINT@8+32,"FOR EVERYONE!";
181 PRINT@9+64+32,"THE CO-CO 2";
182 PRINT@7+64+64+32,"16K EXTENDED BASIC";
184 PRINT@425,"ONLY $99.95";
186 PRINT@425,"          ";
187 GOTO 184

```


PROGRAMMING THE TRS-80

This section is about Taping. Your task is to store information on a cassette tape. This, of course, requires a tape recorder.

I am not going to give you a whole entire lesson on this, I just want you to get a general idea. If you do want a full lesson refer to the manual that came with your color computer.(see bottem)

I.Definitions

OPEN m,#,dev,f Opens specified file (f) for data transmission (m) to specified device (dev).m maybe I(Input) or O(Output). Dev may be #0 (screen or keyboard), #-1 (cassette), or #-2 (printer).

CLOSE#DEV Closes access to specified file. If you donot specify device, all open files are closed.

PRINT#-1 Writes data to cassete.

INPUT#-1 Input data from cassette.

EOF 0 if there is more data; -1 if end of file has been read.

II.Steps for Storing Information on Tape

1.OPEN communication to the tape recorder so that you can output(send out) information to a file.

2.Output all the information to the tape recorder file.

CLOSE communication to the tape recorder.

If you want to obtain more information about this section, refer to the color computer manual that came with your computer.(book varys)

Getting Started with Extended Color Basic-Chapter 25,PP.145-149

Getting Started with Color Basic-Chapter 18,PP.99-104

MACHINE SPECIFICS

Tandy can always be counted on to run a sale on the holidays. This year is no different. The new Tandy 1000 HX (regularly \$699) is being sold with a CM-5 color monitor (regularly \$300) for a total price of \$849-\$599 for the computer and \$250 for the monitor. A 1000 TX and a CM-5 combo is selling for \$1,249, reduced from \$1,499. The computer and monitor must be purchased together to get the discount. The upgrade board that gives your Sx the speed of a 286 AT class machine is on sale for \$300, down from \$400.

The Color Computer 3 has been reduced to \$130 from \$200. The FD-502 diskdrive ~~\$89~~ the CoCo is selling for \$220, down from \$300.

The Tandy 200 has been reduced a whopping \$300 and is selling for \$499. The Tandy 102 is down to \$449. The DMP-130A printer now sells for \$250, down from \$360.

CHRISTMAS TRIVIA SHEET!

1. ACCORDING TO "T'WAS THE NIGHT BEFORE CHRISTMAS" HOW DOES SANTA GET DOWN THE CHIMNEY? _____ FINGER _____ UP THE _____ HE ROSE.
2. IF YOU HAVE \$20.00 TO GO CHRISTMAS SHOPPING WITH AND YOU GOT: 2 ITEMS THAT WERE \$5 EACH, 1 ITEM THAT WAS 1\$, AND TWO ITEMS THAT WAS \$4 EACH, DO YOU HAVE ENOUGH?
3. WHAT TWO COLORS ARE SANTA'S SUIT?
4. HOW MANY REINDEER DOES SANTA HAVE?
5. WHO IS THE RED-NOSED REINDEER?
6. IF A SMALL CHRISTMAS TREE IS \$10.00 AND A LARGE TREE IS \$20.00 THEN HOW MUCH IS A MEDIUM TREE?
7. WHAT IS THE NAME GIVING TO A CIRCLE MADE OUT OF PIECES OF TREES?
8. WHAT IS THE DATE OF NEW YEARS EVE?
9. WHAT IS THE DATE OF CHRISTMAS EVE?
10. WHAT TWO CHRISTMAS SONGS HAS THE WORDS JINGLE-BELL IN ITS TITLE?
10. YOU USUALLY HAVE _____ FOR CHRISTMAS DINNER.
11. WHAT IS CHRISTMAS CELEBRATING?
12. COMPLETE: ! 1 | | | | | |

! | | | | | |

! | | 1. DOWN/SANTA'S
! | | HELPER.

! | | 1. ACROSS/TREE
! | | IN PLURAL

CLASSIFIED SECTION

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