

# Loading And Saving A **Record Array**

0

## Variables SAVEd with Program

The Spectrum saves all its variables along with any saved programs (although it can also save arrays on their own). The sample program fills an array with data and the SAVE instruction will store the array on tape with the program. When the program is loaded again it will automatically start at line 700 because the SAVE instruction refers it to LINE 700. The RUN instruction must not be used because it clears all variables

# Spectrum

100 REH-\*\*\*SPECTRUM DEH0\*\*\* 200 DIM #4K100,201 300 FDR k=1 TO 100 400 LET #4KX="RecNo.\*\*STR\*KK) 500 NEXT K 300 PRINT \*#RBAY CONTAINS...\* 800 FDN x=1 TO 300 900 FRLM #4KX, 100 FRLM #4KX, 101 STOF K SAVE "DEMOPROG" LINE 700 LOAD "DEMOPROG"

### **SAVEing Named Arrays**

The Oric Atmos provides the commands STORE and RECALL to save and load particular arrays from tape. This makes it easy to store a file held in an array

## **Oric Atmos**

100 REM Save array to tape 110 Act()0+STR4(R) 120 PRINT'Playse position tape. press PLAY and RECORD then hit RETURN' 140 STORE AN, "AFLE", 5 140 STORE AN, "AFLE", 5 160 FRINT "FINISHED" 160 FETURN

200 REM Load array from tape 210 PRINT "Please position tape and press PLAY then RETURN" 220 AGMHEYMIT AGM=" THEN 220 230 RECAL 46, "AFILE",5 240 Revuel 46, "AFILE",5 240 REVUEL 46, "AFILE",5 240 REVUEL 46, "AFILE",5 250 RETURN

#### **Using Serial Files**

The BBC Micro is one of several home computers to support true serial files on cassettes. These two subroutines store and reload the array by creating a serial file. The first field is the record count

#### **BBC Micro**

100 RBt Save array to tape 105 RBtNT "Please bosition tape" 110 x=DPBNOT("sPLLE") 120 FRINT(x,R 130 FGR 1= 1 TO R 140 FGR 3= 1 TO R 140 FGR 3= 1 TO F 150 FGR

- 200 REM Load array from tape 203 PENIN "Place position tape and press PLAY then RETURN' 210 IF INKEY(0)=-1 THEN 210 215 XHOPENIK("AFTLE") 220 IFOR Is 10 R 220 IFOR Is 10 R 230 IFOR IS 10 R 230 IFOR IS 10 R 250 IFOR IS 10 R 250