```
BBC Sprite
                   REM **** BBC SPRITES ****
                     TEM .. SET UP ZERO PAGE WARTABLES ..
                                                                                                                                                                      JSR DSWRCH

** END OF PLOT COMMAND **
PLP RETRIEVE CARRY
                                                                                                                                                                      ** IF EYTE FINISHED **
                                                                                                                                                                                          CPX M63
BED FINISH
CK FOR END OF ROW **
INC ROW
LDA ROW
                   1
HIMEH-HIMEM-150
SPREAT -HIMEM+1
OSWRCH -AFFEE
DIM MCK BOIFF
FOR OPIK -OTO 3 STEP 3
FX -MCK
                                                                                                                                                                      SHE BYTE - THE END OF ROW SUBTRACT YSCALE FROM Y ..
                                                                                                                                                                    LOA YTHPLO
SEC
SEC YSCALE
STA YTHPLD
BCS NOSUB
OEC YTHPHI
** ABSOLUTE MOVE TO START OF NEXT ROW ***
                       OPT OD 1%
                        .EPRITE LDA #25
JSR OSWRCH
LDA #68
JSR OSWRCH
LDA OLDXLO
STA XTMPLO
JSR OSWRCH
LDA OLDXHI
STA XTMPHI
JSR OSWRCH
LDA OLDYLO
STA YTMPLO
JSR OSWRCH
LDA OLDYLO
JSR OSWRCH
LDA OLDYLO
JSR OSWRCH
LDA OLDYLO
JSR OSWRCH
LDA OLDYH
                                                                                                                                                                     MENT ROW **

JMF NEWROW
                    * **** RUBOUT OLD SPRITE ****
                                           JSR SPRELOT
                                                                                                                                                                    ... END OF SUBROUTINE **
                       JSR SPRFLOT

**** MOVE TO NEW X,Y ****

JSR GSWRCH

LDA #85

JSR GSWRCH

LDA NEWKLD

STA XTHFLO

JSR GSWRCH

LDA NEWKLD

STA XTHFLO

JSR OSWRCH

LDA NEWHI

JSR OSWRCH

LDA NEWHI

JSR OSWRCH

LDA NEWHI

JSR OSWRCH

LDA NEWHI

JSR OSWRCH

LDA YTHFLO

JSR OSWRCH

LDA NEWHI

STA YTHFLO

JSR OSWRCH

LDA NEWHI

STA YTHFLO

JSR OSWRCH

LDA NEWHI

JSR OSWRCH
                                                                                                                                                      710 REM **** BASIC PROBRAM STARTS HERE ****
                                                                                                                                                           ) t

D REM ** READ SPRITE DATA **

D FUR address = SFRDAT TO SPRDAT+62

D READ datar?address = data

O NEXT address
                                                                                                                                                               REM **** SET MUC PARAMETERS ****
                                                                                                                                                               CLB

?XSCALE =4:?YSCALE =4

?logcol=1
                         . ... PLOT NEW SPRITE ....
                                           JER SPRPLOT
                         TRANSFER NEW X,Y TO DLD X,Y ****
LDA NEWXLO
LDA NEWXHI
5TA OLDXHI
LDA NEWYLO
STA DLDYLO
LDA NEWYHI
STA OLDYHI
                                                                                                                                                              I MEM **** WAIT FOR CRSR KEYS ****
FOR SHO TO I STEP 0
PROCECORDS (X, Y)
CALL SPRITE
NEXT S
END
                                                                                                                                                    290 END
300 I
300 DEF PROCCOURDS (X,Y)
301 DEF PROCCOURDS (X,Y)
3020 XH=Y DIV 256:XL=X MOD 256
303 YH=Y DIV 256:YL=Y MOD 256
A40 THEWXLO=XL: THEMXHI=XH
350 THEMXLO=XL: THEMXHI=XH
350 THEMPROC
370 REM **** SCAN KEYBOARD ****
300 DEF PROCKEYS
300 LOCAL LT.ZZ:LT=2
                          **** RETURN TO BASIC ****
                          **** SPRITE PLOTTING SUBROUTINE ****
                                                                                                                                                               PETIDPROC
REH **** SPRITE DATA ****
ONTA 255.0,255,254.0,127,252.0,63
ONTA 240,015,222.0,23,228.0,39
DATA 194,0,67,129,24,129,0,189.0
                                                                                                                                                               UNIA 0,102.0
DATA 0,189.0,129.24,129,194.0.67
DATA 228.0.39.232.0.23,240.0,15
CATA 252.0.63,254.0.127,255.0,255
```

## **Spritely Does It**

The sprite — defined in the 63 bytes of DATA — can be moved around the screen by the arrow keys. Its relative slowness is the consequence of using the OSWRCH ROM routine, but it will work in all modes. When the program is RUN, the assembly listing scrolls the screen first, followed by the graphic display