SpeedView
An 80-Column Preview Program For *SpeedScript*

Mark Schreiner

"SpeedView," an enhancement for COMPUTE!'s Commodore 64 Speed-Script word processor (versions 3.0 and higher), provides 80-column previewing of text before the actual printing. Using 4 × 3 high-resolution blocks, the program shows exactly how each page of the document will look when printed. A disk drive is required to create the combined file containing both SpeedScript and SpeedView.

SpeedScript, COMPUTE!'s popular word processor, becomes an even more useful resource with this program. "SpeedView" lets you preview your text file in 80 columns so you can see precisely how a print-out of your document will look.

Typing It In
Program 1 is a BASIC loader which creates SpeedView. Type in and save the program; then run it. When the program asks for a filename, enter the name you wish to use for the machine language program.

To use SpeedView, load *Speed-Script* but *do not run it yet*. Next, load SpeedView with the command LOAD"SPEEDVIEW",8,1, replacing SPEEDVIEW with the name you used when creating the program (tape users should substitute ,1,1 for ,8,1 in this command). Finally, type SYS 9480 and press RETURN. This command activates *SpeedScript* with the SpeedView enhancement.

Two For One
If you plan to use SpeedView regularly, you have the option of creating a combined file which contains both *SpeedScript* and SpeedView. Like *SpeedScript*, the unified file loads and runs just like an ordinary BASIC program. To create this file, type in and save Program 2. Reset the computer by turning it off and on; then enter this command and press RETURN:

POKE 44,48:POKE 48*256,0:NEW

Load Program 2 back into memory and insert a disk containing copies of both *SpeedScript* and SpeedView. When you run Program 2, it asks you to enter the names of the *SpeedScript* and SpeedView files on the disk in the drive. After you've entered these

filenames, you are prompted to enter a name for the new, combined file. Program 2 reads both files into memory, modifies the BASIC portion of *SpeedScript*, then writes the unified package back to disk using the filename you selected.

To use this combined program, load and run it as you would any BASIC program. You now have a copy of *SpeedScript* with Speed-View permanently installed.

SpeedView Operation

To use SpeedView, press CTRL-SHIFT-P, followed by S, the command sequence to direct *Speed-Script*'s output to the screen. Instead of the usual jumble of scrolling lines, SpeedView presents a neatly formatted representation of the document's first page. Press RETURN to view succeeding pages. SpeedView shows exactly how each page will look when printed on paper. When the last page has been displayed, press any key to return to *SpeedScript*. The screen preview option is the only *Speed-Script* command changed by Speed-View. All others function normally.

You should never press RE-STORE while previewing a document with SpeedView. If you must exit *SpeedScript*, press RETURN until you have reached the end of the SpeedView display and return to *SpeedScript*; then press RESTORE to exit. If you do not use the combined file, remember that the proper sequence is to load *SpeedScript*, load SpeedView, then activate SpeedView with the SYS command described above.

Some printkey values may not show up during the 80-column preview. SpeedView displays only those characters whose Commodore ASCII values are in the range of 32–90, or 193–218, inclusive. This includes the upper and lowercase alphabets, numerals, and punctuation marks. The Speed-View program code occupies 1.5K of space that's otherwise available for text memory. As a result, you may not be able to preview a very long document without breaking it into two smaller files. SpeedView behaves erratically if you change the page length to any value other than 66, or the right margin to any value greater than 80. To obtain the best results, make sure to use those settings.

For instructions on entering these listings, please refer to "COMPUTE!'s Guide to Typing In Programs" in this issue of COMPUTE!.

Program 1: SpeedView

```
SB 100 OPEN15,8,15
FX 110 INPUT "FILENAME FOR SPE
        EDVIEW FILE";F$:IF LEN(
        F$)=0 THEN CLOSE 15:END
DG 120 OPEN 2,8,2,F$+",P,W"
XP 130 INPUT#15,A,A$,B,C:IF A=
        0 THEN PRINT "CREATING
        {SPACE}ML FILE":GOTO190
AG 140 IF A<>63 THEN PRINT A$:
        CLOSE 15:END
CS 150 PRINT "FILE EXISTS. REP
        LACE IT? (Y/N)"
FM 160 GET X$:IFX$="" THEN160
MR 170 IF X$<>"Y" AND X$<>"Y"
        {SPACE}THEN CLOSE 15:EN
        D
DK 180 PRINT#15,"S0:"+F$:CLOSE
        2:GOTO120
GD 190 READ BYT:IF BYT<>256 TH
        EN PRINT#2,CHR$(BYT);:G
        OTO190
CX 200 CLOSE 2:CLOSE 15:PRINT
        {SPACE}"DONE"
QG 210 DATA 0,37,0,0,0,0,0,0,0
        ,0,162,196
MC 220 DATA 160,37,142,38,3,14
        0,39,3,169,38
KQ 230 DATA 141,169,9,169,203,
        141,177,9,169,0
JG 240 DATA 141,164,31,162,148
        ,160,38,142,110,23
EH 250 DATA 140,111,23,162,163
        ,160,38,142,137,24
EM 260 DATA 140,138,24,169,32,
        141,136,24,76,13
RJ 270 DATA 8,169,0,141,2,37,1
        41,3,37,173
PF 280 DATA 4,37,24,105,3,141,
        4,37,238,5
PP 290 DATA 37,173,5,37,201,66
        ,208,10,32,228
DX 300 DATA 255,201,13,208,249
        ,32,101,37,76,248
EH 310 DATA 37,169,23,141,24,2
        08,169,27,141,17
SG 320 DATA 208,169,151,141,0,
        221,169,0,141,0
EQ 330 DATA 37,96,169,148,141,
        0,221,169,59,141
EF 340 DATA 17,208,169,56,141,
        24,208,141,0,37
HH 350 DATA 169,224,141,166,37
        ,169,0,141,5,37
AC 360 DATA 141,165,37,141,2,3
        7,141,3,37,141
SE 370 DATA 4,37,170,138,157,0
        ,224,232,208,250
PM 380 DATA 238,166,37,173,166
        ,37,208,241,169,16
QP 390 DATA 157,0,204,157,0,20
        5,157,0,206,157
EA 400 DATA 0,207,232,208,241,
        96,72,141,1,37
SD 410 DATA 152,72,138,72,173,
        7,37,240,45,173
FR 420 DATA 0,37,208,3,32,122,
        37,173,1,37
GP 430 DATA 201,13,208,3,76,61
        ,37,201,2,208
GR 440 DATA 3,76,18,38,144,12,
        201,219,176,8
DK 450 DATA 201,193,176,18,201
        ,91,144,14,104,170
DM 460 DATA 104,168,104,96,104
        ,170,104,168,104,76
AX 470 DATA 202,241,32,38,38,2
        38,4,37,32,38
QA 480 DATA 38,206,4,37,169,4,
        24,109,2,37
PR 490 DATA 141,2,37,173,3,37,
        105,0,141,3
JQ 500 DATA 37,76,248,37,165,2
        54,72,165,255,72
FD 510 DATA 173,4,37,74,74,74,
        133,255,160,0
KS 520 DATA 132,254,74,102,254
        ,74,102,254,101,255
CD 530 DATA 133,255,173,4,37,4
        1,7,24,101,254
KB 540 DATA 133,254,165,255,10
        5,224,133,255,173,2
EX 550 DATA 37,41,248,24,101,2
        54,133,254,165,255
KC 560 DATA 109,3,37,133,255,1
        73,2,37,41,7
MS 570 DATA 170,169,0,56,106,2
        02,16,252,141,6
FX 580 DATA 37,74,13,6,37,74,1
        3,6,37,72
AB 590 DATA 160,0,166,1,169,52
        ,120,133,1,104
FH 600 DATA 17,254,145,254,134
        ,1,88,104,133,255
JD 610 DATA 104,133,254,96,72,
        224,3,208,5,169
KC 620 DATA 1,141,7,37,104,32,
        186,255,96,141
ED 630 DATA 29,13,72,169,0,141
        ,7,37,32,101
PK 640 DATA 37,104,96,256
```

Program 2: Unified File Maker

```
RJ 100 IFA=0THENINPUT"{CLR}NAM
        E OF SPEEDSCRIPT";SS$:I
        NPUT"NAME OF SPEEDVIEW"
        ;SV$
AE 120 IFA=0THENA=1:INPUT"NAME
        OF COMBINED FILE";NF$:
        PRINT"{DOWN}LOADING FIL
        ES"
GQ 130 IFA=1THENA=2:LOADSS$,8,
        1
SF 140 IFA=2THENA=3:LOADSV$,8,
        1
MQ 150 A$="9480":FORI=0TO3:POK
        E2054+I,ASC(MID$(A$,I+1
        ,1)):NEXT
QS 155 PRINT"{DOWN}WRITING COM
        BINED FILE":OPEN1,8,8,"
        0:"+NF$+",P,W"
JX 165 PRINT#1,CHR$(1);CHR$(8)
        ;
HS 170 FORI=2049TO9910:PRINT#1
        ,CHR$(PEEK(I));:NEXT:CL
        OSE1:END                    C
```