



Tech Info Library

Pascal II: Disable Slot 3 Terminal Initialization

Revised: 11/21/84
Security: Everyone

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This program modifies the file SYSTEM.APPLE on the boot diskette so that Pascal won't initialize an 80-column card in slot 3, thereby allowing graphics programs to be run without interference from the 80-column card.

```
PROGRAM PATCH_40_COL;

TYPE BYTE = 0..255;

VAR F : FILE;
    BUFFER : PACKED ARRAY [0..511] OF BYTE;
    BLOCK, BLOCK_XFER : INTEGER;

BEGIN
  WRITELN (CHR (12));
  WRITELN ('Put disk with "SYSTEM.APPLE" in drive 1');
  WRITELN;
  WRITELN ('Press RETURN when ready');
  READLN;
  RESET (F, '#4:SYSTEM.APPLE');
  BLOCK_XFER := BLOCKREAD (F, BUFFER, 1, 3);

  BUFFER[327] := 76;           (* PATCH #1 *)
  BUFFER[328] := 245;
  BUFFER[329] := 254;

  BUFFER[384] := 24;          (* PATCH #2 *)
  BUFFER[385] := 144;
  BUFFER[386] := 12;

  BLOCK_XFER := BLOCKWRITE (F, BUFFER, 1, 3);
  BLOCK_XFER := BLOCKREAD (F, BUFFER, 1, 4);

  BUFFER[201] := 24;          (* PATCH #3 *)
  BUFFER[202] := 144;
  BUFFER[203] := 12;
```

```
    BUFFER[345] := 24;                (* PATCH #4 *)
    BUFFER[346] := 144;
    BUFFER[347] := 14;

    BLOCK_XFER := BLOCKWRITE (F, BUFFER, 1, 4);
    CLOSE (F, LOCK);
    WRITELN ('Done')
END.
```

Apple Tech Notes

Tech Info Library Article Number:702