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AppleScan PICT Format

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This article describes PICT file format as saved by AppleScan. AppleScan uses the standard PICT file format, in which the first 512 bytes carry application-specific header information. Depending on the application and how it treats this header information, some applications may have problems reading or interpreting the file information. The rest of this article contains a Pascal Type declaration and descriptions of each parameter.

Pascal Type Declaration

The following Pascal TYPE declarations define the format of the first block (block #0) of AppleScan PICT files (creator "APSC" and file type "PICT"). Subsequent blocks contain the actual version 2 PICT, as specified in "Inside Macintosh Volume V, Color QuickDraw."

```
str17 = string[17];

cnbs = RECORD
contrast: signedByte
brightness: signedByte

hpat = array [1..16] of signedByte;

SaveScanInfo = RECORD
Version:          INTEGER
Reduction:       INTEGER
Composition:     INTEGER
Threshold:       INTEGER
ContBriteName:   str17
ContBrite:       cnbs
AutoAdjust:      BOOLEAN
HalftoneName:    str17
HalftonePattern: hPat
Graymap:         INTEGER

PictHeader = RECORD
StdHeader: PACKED ARRAY [1..230] OF SignedByte;
SaveScanInfo: SaveScanInfo; (* 66 bytes *)
Filler: PACKED ARRAY [1..216] OF SignedByte;
```

Parameter Descriptions

The StdHeader and fFiller fields are all zeroes.

The Version field is the AppleScan version number (for example, 102 = 1.0.2).

The Reduction field is the reduction percentage.

The Composition field is the composition encoded as follows:

- 0 = Line Art
- 1 = Halftone
- 2 = Grayscale

The Threshold field is the threshold value.

The ContBriteName field is the name of the Contrast & Brightness setting.

The ContBrite field contains the values of the Contrast and Brightness settings.

The AutoAdjust field is the Automatic Adjustment setting.

The HalftoneName field is the name of the Halftone setting.

The HalftonePattern field contains the values of the halftone pattern matrix, stored in row-and-column order (for example):

```
0 1 2 3
4 5 6 7      is stored as 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15).
8 9 10 11
12 13 14 15
```

The Graymap field is the Graymap setting encoded as follows:

- 0 = Light Detail
- 1 = Normal Detail
- 2 = Dark Detail

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