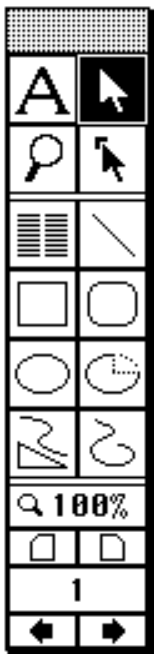# Appendix E: PageStream 2.2 update

## The new Toolbox

*(described left to right, top to bottom).*

**Text Tool**: No change in function. The Text tool is used to enter text and to change text attributes.

**Pointer Tool**: No change in function. The Pointer tool is used to select, move and resize objects. It is also used to change the attributes of objects.

**Magnifier Tool**: The Magnifier tool is used to increase or decrease the view magnification. Selecting the Magnifier tool will change the mouseform to a magnifying glass with a plus sign in it. To use this tool, position the magnifying glass over the center of the area to magnify. Click the left mouse button to double the magnification level. If you hold down a Shift key, the mouseform will change to a minus sign. Click the left mouse button to halve the magnification level.(The minimum and maximum levels of magnification are 15 and 1500%.)

**Reshape Tool**: No change in function. The Reshape tool is used to reshape polygons, polylines and Bezier curves. Note that this tool has a completely new icon in version 2.2.

**Column Tool**: The Column tool is used to draw rectangular columns for entering text. Holding down a **Shift** key while drawing a column will draw only square columns.

**Line Tool**: The Line and X/Y Line tools have been merged into one Line tool. Holding down a **Shift** key while drawing a line will draw only horizontal, vertical or 45 degree lines, depending on the position of the drawing cursor relative to the beginning point of the line.

**Box Tool**: The Box tool is used to draw rectangular boxes. Holding down a **Shift** key while drawing a box will draw only square boxes.

**Rounded Box Tool**: The Rounded Box tool is used to draw rectangular boxes with rounded corners. Holding down a **Shift** key while drawing a box will draw only square boxes with rounded corners.

**Ellipse Tool**: The Ellipse and Circle tools have been merged into one Ellipse tool. Holding down a **Shift** key while drawing an ellipse will draw only circlular ellipses.

**Arc Tool**: The Elliptical Arc and Circular Arc tools have been merged into one Arc tool. Holding down a **Shift** key while drawing an arc will draw only circular arcs.

**Polygon Tool**: The Polygon tool is used to draw polygons and Bezier curves. Holding down a **Shift** key while drawing a line segment will draw only horizontal, vertical or 45 degree lines.

**Freehand Tool**: No change in function. The Freehand tool is used to draw freehand drawings.

**View Tool**: The View Tool shows the current display scale. Clicking on the View Tool is identical to selecting the Show/Set User Scale command from the View menu. Clicking on this tool will open a dialog box to specify the level of magnification. The minimum and maximum levels of magnification are 15 and 1500%. Holding down a **Shift** keyand selecting this tool will change the magnification level to the last user scale used.

**Master Page Tools**: The Left and Right Master Page tools are unchanged in function although their appearance is different from previous versions of PageStream. Clicking on a Master Page tool will move to the left or right master page. If the current document is single-sided, both tools will move to the single master page.

**Go To Page Tool**: The Go To Page tool is unchanged from previous versions. Clicking on its icon will open a dialog box to select a page to edit (note that the requester's default is now blank, instead of page 1). Holding down a **Shift** key while clicking on the Go To Page tool will move to the last page viewed.

**Flip Page Tools**: The Flip Page tools are unchanged from previous versions. Click on the Flip Page Left tool to move one page left in a document, or on the Flip Page Right tool to move one page right. Holding down a **Shift** key while clicking on the Left or Right tools will move to the first or last pages containing objects.

# Drawing Hints

You should use Snap-to-Grid to help draw accurately sized objects. PageStream maintains a high degree of internal accuracy, but you cannot draw as accurately on a 65 dots per inch monitor. While lines may appear aligned visually, PageStream may have different internal coordinates for them and they could appear out of alignment when printed.

Snap-to-Grid alleviates these difficulties by ensuring that all objects snap to the nearest grid point. (Use the Show Grid command to see the grid, the Set Grid command to set the grid spacing, and the Snap-to-Grid command to toggle on and off the grid feature.)

One change has been made in the way the grid works in this release: objects will now snap to the grid while they are being drawn. Previous versions of PageStream snapped the object to the grid after it was finished. This change should make drawing even easier.

# Text Object Justification

In previous versions of PageStream, text objects could not be justified, although Center and Block Right worked to some degree. This has been changed in PageStream 2.2, and all justification options may be applied to text objects.

This may create surprises when opening old documents with PageStream 2.2. If you created a text object in 2.1 while word, character or auto justify was selected, the text would have been blocked left. The attribute changes were entered, but not implemented. These text objects will now be justified in 2.2 so you may have to select these objects and use Block Left to reformat them.

# Screen Redraws

Screen rendering of text is significantly faster in PageStream 2.2. Users of 68000 machines may wish to take advantage of version 2.2's new draft mode to make it even faster. Select the Set Greeking command from the View menu and toggle on the Draft button. All text will now be shown as bitmaps. This will not affect printer output, but will speed the screen display by reducing the quality of screen text. If a bitmap version of the font is not available, a sans serif Helvetica-like font will be

```
┌──────────────────────────────────────────┐
│        Set Greeked Text Range              │
│                                            │
│   Greek Text Below :█ pt                   │
│                                            │
│              ■ Draft                       │
│                                            │
│        ┌─────┐   ┌────────┐                │
│        │ OK  │   │ Cancel │                │
│        └─────┘   └────────┘                │
└──────────────────────────────────────────┘
```

shown.

# Shortcuts

PageStream is filled with time-saving shortcuts. Many use the Shift key in conjunction with a menu command to speed up commonly used features. Some of these are:

Shift New: opens a new document using the previously set values.

Shift Print: prints the active document using the previously set values. (Except for pages printed. The All Pages option will be ignored, and the page range set in From/To will be used.)

Shift Duplicate: duplicates the selected objects using the previously set values.

Shift Create Columns: creates columns using the previously set values.

Shift Edit Hyphen Exceptions: opens a file selector to select a list of words to add to the hyphenation dictionary. Only words which differ from the rules will be added. The words in the file should have slashes(/) to indicate where to divide the word, and should have a space, carriage return or line feed to separate words.

Shift Edit Spelling: opens up a file selector to select a list of words to add to the spelling dictionary. Same as Edit Hyphen Exceptions.

Shift Remove in the Font Manager: removes all font paths from the font manager.

Shift Copy or Shift Paste: clears the copy buffer without actually copying anything to the buffer. Whenever you import a picture or a block of text, or copy an object, the data is stored in a temporary buffer. Use this command to free up the buffer's memory.

# New PostScript Printer Driver

PageStream 2.2 has a brand-new printer driver for PostScript printers which is faster and has more options. The driver name is the same(PSCRIPT.PRT) but a second file, PSCRIPT.HDR, is now required as well. This text file is the PostScript header which is inserted in PostScript output and makes it easier to update the PostScript printer driver.

PostScript output is now centered on the page to avoid the edge cut off common to laser printers. This is only of use if the page size is smaller than the paper size.

# Configure Printer Options

Some options in the Configure Printer dialog box were previously undocumented or added in version 2.2. Note that these options are for use with the PostScript driver only. The additional options are:

**NOTE:** Do not type the quotes in the commands below.  ie:'color' should be color

EXAMPLE: color, time, f[128,121.05,121.05,119], a[45,0,33.124,0]

Put the command 'color' in the Special text field to print to color PostScript printers. If you do not include this command, PageStream will print the page in grayscales. Do not include the command when you do not require color printing because it slows down printing considerably.

Put the command 'bleed[h,v]' in the Special text field to set the size of the bleed area for printing with crop and registration marks. The default is a 0.5 inch bleed area. (The crop and registration marks takeup 0.5 inches so this is a good minimum size.) The values h or v must be specified in points. If only one value is entered, it will be used for both the horizontal and vertical bleed size.

Put the command 'EPS' in the Special text field to print pages to disk which you plan to later re-import as an EPS graphic into PageStream or some other desktop publisher or illustration program. This command is required to stop layout information from being included in the EPS file.

Put the command 'resident' in the Special text field to stop the PostScript header from being downloaded with each page. The PostScript header will only be downloaded with the first print job in each session and will not be re-downloaded

until the next time PageStream is loaded or the next time you load the PostScript printer driver. If you turn off the printer for some reason during a PageStream session, you must force a redownload of the header by reloading the PostScript printer driver from disk. Put the command 'time' in the Special text field to print the job processing time with the output. This option is intended for troubleshooting only.

## New Crop and Registration Marks

PageStream has always had adequate crop and registration marks but version 2.2 will definitely impress your service bureau when you send them pages for image setting! The crop marks are unchanged, but the registration marks are now more professional. When Crop/Registration Marks are selected, slur gauges will be printed in the top right and bottom left corners. As well, color strips will be printed in thebottom right corner. The color strips on each separation will be offset and will not  overlap.

The frequency and screen angle of the page (or color separation, if applicable), will be printed immediately below the file name in the bottom left corner of the page.

**Note!** Crop marks will print to non-PostScript printers, but the other printing aids here are not available without a PostScript interpreter.

## Stop Printing

Pressing the Help key to stop PageStream from printing does not stop PageStream immediately. This feature has been improved in version 2.2 and a Stop button has been added to the Printing dialog box. PostScript printing will stop much faster than non-PostScript printing due to differences in the drivers.

## Import/Export Modules

Several modules have been updated and others have been added in version 2.2 to further improve PageStream's flexibility. The significant changes are:

### New Modules

**CVG:** This module will import drawings saved in Calamus Vector Graphics format. All options are supported. A few files may not import as expected due to differences in fills between Calamus and PageStream. (PageStream can only support PostScript compatible fill options.)

**Arabesque:** This module will import bitmap graphics saved from Arabesque Professional.
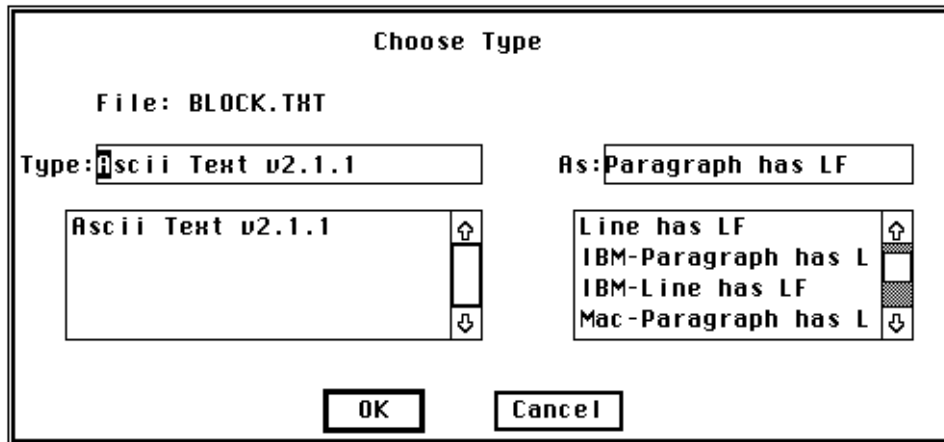
**Calamus Text:** This module will import text files saved from Calamus or PKS Write.
**That's Write:** This module will import text files saved from That's Write.

**Calligrapher:** This module will import text files saved from Calligrapher.

**Improved Modules**

**ASCII:** The ASCII text import module has several new options to help you load PC and Mac format text files. The ASCII text export module has a new option for

```
                          Choose Type

        File: BLOCK.TXT

Type:[A]scii Text v2.1.1          As:[P]aragraph has LF

    ┌────────────────────────┐     ┌────────────────────────┐
    │ Ascii Text v2.1.1    ⇧ │     │ Line has LF          ⇧ │
    │                        │     │ IBM-Paragraph has L    │
    │                        │     │ IBM-Line has LF        │
    │                      ⇩ │     │ Mac-Paragraph has L  ⇩ │
    └────────────────────────┘     └────────────────────────┘

              ┌────────┐       ┌────────┐
              │   OK   │       │ Cancel │
              └────────┘       └────────┘
```

compatiblity with some text editors.

**EPS:** There are now three PostScript import modules. The modules let you import ASCII EPSF files (which will be shown as a box with a X), Macintosh EPS files with PICT headers (which can be shown with bitmap previews on screen) and IBMEPS files with TIFF headers (which can be shown with bitmap previews on screen).

**Adobe Illustrator:** drawings saved in Illustrator's version of EPS can also be imported as objects. (You will be presented with a choice of import modules in the Import Graphics dialog box if PageStream recognizes the file as an Illustrator drawing.) This module will not import text or fountain fills, but will import the drawing as a group of objects. You can then use Ungroup to separate and edit the drawing inside PageStream and print it to any type of printer. Most of the graphics in the Soft-Logik Graphic Library were created with Adobe Illustrator. This opens an entire new world of clip art to non-PostScript users. Note that Avant Vector and Convector Professional save in Illustrator EPS format, so their output can be imported as grouped objects into PageStream.

**GEM:** The GEM import module has been improved to accept files stored in the GEM/3 format. This format includes Bezier curves and is used by most current Atari software (and PC GEM software).

# Plotters and Sign Cutters

PageStream 2.2 has a new HPGL driver for printing to plotters and sign cutters. Instead of using limited specialty software on MS-DOS computers, you can have access to all the features of PageStream and push your plotter or sign cutter to the limit. (This is an excellent small business opportunity!) All of PageStream's features will work except for bitmap pictures which cannot physically be reproduced by plotter pens, and Compugraphic fonts which are incompatible at this time.

This driver has several command options which you can enter in the Special text field in the Configure Printer dialog box:

color: will switch pens if included. (Otherwise will print entirely in black.)

fill: will print solid objects as solid. (This is suitable for small objects.)

stroke: will outline all objects and text with a black line.

The fill and stroke options are not applicable to sign cutters. If you are using a Roland CAMM1 sign cutter, an additional command has been provided for full compatibility:

camm1: will provide compatibility with the Roland CAMM1 sign cutter.

# Compugraphic Font Notes

Do not purchase Compugraphic fonts on MS-DOS format disks unless you have access to an MS-DOS computer or emulator. Agfa sells their fonts in a generic format (FAIS) which must be converted to Intellifont format using a supplied MS-DOS installer program.

Some Compugraphic fonts will not work properly with PageStream 2.2 due to character mapping problems. These include the Dingbats and Symbol fonts sold by Gold Disk on Amiga disks.

Compugraphic fonts have a size limit which prevents them being printed at sizes around one inch. This is due to the font code written by Agfa. The size limit depends on the complexity of each character so you may notice characters not printing at some sizes.

# Miscellaneous Improvements in 2.2

This release of PageStream contains thousands of changes to improve program stability and interface uniformity. Some of these improvements are:

•PageStream is now stable on 1MB machines and will let the user recover from low memory situations.

•When typing over highlighted text the first character is now redrawn.

•More efficient screen redraws are employed for Move to Page, Set Grid, Show Pictures and Create Columns.

•The Fonts/Points dialog box opens more quickly.
•Text display speed is no longer dependent on the number of fonts installed, or on the size of the FONTEQIV.V2 file. You should use only the FONTEQIV.V2 file supplied with PageStream 2.2 for full font compatibility.

•The relative depth of grouped objects is retained when copying and pasting within a document.

•Resizing vertical or horizontal lines with Edit Coordinates now works as expected.

•Placing the cursor before the first character in a column now picks up the attributes of the first character.

•Using Select All to highlight all the text in a column or text object will pick up the attributes of the last character.

•Ruler numbers are more legible and ruler numbers can be greater than 999.

•Text runaround functions correctly without respect to the number of selected objects.

•Printing tiles works more efficiently because only the required information is sent to the printer for each tile.

•Changing the point size of rotated objects has no effect on object coordinates.

•The presence of rotated objects on a page has no effect on other objects.

•Line spacing is adjusted accordingly when grouped text objects are proportionally pasted.

•Batch hyphenate hyphenates after en and em dashes.

•EPS files separate correctly.

•Arrow gadgets function once, then repeat after a short pause to provide more positive control.

•The Control D character codes correspond correctly to the PageStream character set.

•You can now select fill color and fill style, or line color and line style, in any order.

•You can type the name of a color in the text gadgets in the Line Style and Fill Style dialog boxes.

•Text flow is updated when editing the coordinates of objects with text runaround.

•Unlock/Lock/Line/Fill commands now reset all selected objects.

•Em and en dashes are spaced correctly in Compugraphic fonts.

•Super and subscripts can now be underlined.

•Measurement system abbreviations are now case sensitive.

•Text can be pasted even if it is taller than the current column or text object height.

•When Show Pictures is toggled off, the screen will not be redrawn. Picture outlines will not replace pictures until the next screen redraw.

•Paragraph Formatting (indented and outdented first lines) now works the same as Super/Subscripted text.

•Batch kerning PostScript Type 1 fonts now works properly.

•Legal size documents can be printed to laser printers with multi-purpose trays. (ie: QMS410, TI MicroLaser.)

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