SIPB

Student Information Processing Board

Room 11-205 x3-7788

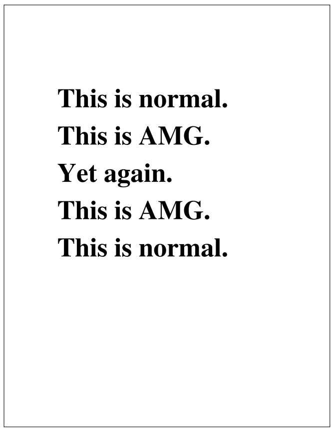
Programming in PostScript®
Handout 5
26 January 1989

```
%!
%  Program 2 --- Demonstrate dictionaries
%

/NewCenturySchlbk-Bold findfont 50 scalefont setfont
/foonow {0 -70 rmoveto currentpoint foo show moveto} def
100 670 moveto

/foo (This is normal.) def
foonow

/amg 5 dict def                 % Make amg a dictionary with up to 5 elements
/another 5 dict def             % And another
amg begin
/foo (This is AMG.) def
foonow
another begin
/foo (Yet again.) def
foonow
end foonow
end foonow
showpage
```




```
%!
%  Program 3 --- Demonstrate "do"
%

/lm 60 def
/lh 4 def
/y 650 def

/do {/stuff exch def

lm y moveto

{pop 10 eq {/y y lh sub def lm y moveto} if}
stuff kshow

gsave currentpoint exch pop 450 exch translate
.2 .2 scale
0 0 moveto 612 0 lineto 612 792 lineto 0 792 lineto closepath stroke
stuff cvx exec
grestore

/y y 40 sub def

} def

(/sstringwidth {false charpath flattenpath pathbbox
/ury exch def /urx exch def /lly exch def /llx exch def
urx llx sub ury lly sub newpath} def

/NewCenturySchlbk-Bold findfont 50 scalefont setfont
60 700 moveto (SIPB) show /sw (SIPB) sstringwidth pop def
/NewCenturySchlbk-Bold findfont 12 scalefont setfont
60 688 moveto
gsave (Student Information) dup stringwidth pop sw exch div 1 scale show
grestore
60 676 moveto
gsave (Processing  Board) dup stringwidth pop sw exch div 1 scale show
grestore
60 664 moveto /NewCenturySchlbk-Italic findfont 12 scalefont setfont
(Room 11-205) show
60 sw add (x3-7788) stringwidth pop sub 664 moveto
(x3-7788) show

) do

showpage
```