

#####

#####: 43126

7, 1996 ## .

#####

#####

1. #####	2
2. #####	2
3. #####	##### # # ##?	3
4. ##### #	##### ## 80#60 #####	3
5. #####	##### 1 #####	4
6. #####	##### 1 #####	7
7. #####	##### 1 #####	7
8. #####	#####	9
9. #####	#####	12
10. #####	#####	12
11. #####	13

1. #####

#####,
#####.
#####-
#####-
##,
#####.

2. #####

```
##### ## ##### ##### ##### ##### ##### ##### # ###  
##### ## ##### ##### ##:
```

.pfa, .pfb

#####® ##### 1 #####. ### .pfa ## ### A##### ##### ### .pfb ### B##### #####.

.afm

1 ####.

.pfm

1 ####.

.ttf

#####®

.fot

(### ## #####)

.fon, .fnt

#####

1 ##### #11

```
% vidcontrol VGA_80x60
```

```
##### , ##### ## (1), ##### ## ##### ## #####  
##### . ## ##### ## ##### ##### ioctl ##### ## ##  
##### (#####(4)) ##### ##### ##### ## ##  
#####.
```

```
## ##### ## ## #####, ### ## ##### ##### ## ## #####  
## ## ##### ## ## ##### . ## ## ## ## ## ## ## /etc/rc.conf
```

```
allscreens_flags="VGA_80x60" # Set this vidcontrol mode for all virtual screens
```

```
#####: ##.####(5), #####(1).
```

5. ##### 1 ##### #11

```
#11 ## ## ##### .pfa ## ## .pfb ##### .### #11 ##### ##  
##### /usr/X11R6/lib/X11/fonts. ##### ## ## ## ##  
##### #11 ## ## ## fonts.dir ## ## ##
```

```
##### # ##### ##### Type1. ### ##### ## ## ##  
##### # # # # # # # # # # # # # # # # # # # # # #  
# # # # # # # # # # # # # # # # # # # # # # # # # # # #  
### # # # # # # # # # # # # # # # # # # # # # # # # # #  
##### # # # # # # # # # # # # # # # # # # # # # # # # # # # #
```

Create a directory to contain the font files

```
% mkdir -p /usr/local/share/fonts/type1
```

```
% cd /usr/local/share/fonts/type1
```

Place the -.pfa, -.pfb and -.afm files here

One might want to keep readme files, and other documentation
for the fonts here also

```
% cp /cdrom/fonts/atm/showboat/showboat.pfb -.
```

```
% cp /cdrom/fonts/atm/showboat/showboat.afm -.
```

Maintain an index to cross reference the fonts

```
% echo showboat -- InfoMagic CICA, Dec 1994, /fonts/atm/showboat >>INDEX
```

```
###, ## ## # ## ##### #11, ## ##### ## ## ## ## ## ## ## ##  
### #####. ### #11 ##### ## ## ##:
```

```
-bitstream-charter-medium-r-normal-xxx-0-0-0-p-0-iso8859-1
```

```
-| -| -| -| -| -| -| -| -| \ |  
-| -| -| -| -| \ \ \ \ \ \ +----+- character set  
-| -| -| -| \ \ \ \ \ \ +- average width  
-| -| -| -| \ \ \ \ \ +- spacing  
-| -| -| \ \ \ \ \ +- vertical res.
```

#####

```
-|   -|   -|   \ \ \ \ +- horizontal res.  
-|   -|   -|   \ \ \ \ +- points  
-|   -|   -|   \ \ \ \ +- pixels  
-|   -|   -|   \ \ \ \  
foundry family weight slant width additional style
```


#####(1)#####

```
% strings showboat.pfb -| more  
%!FontType1-1.0: Showboat 001.001  
%%CreationDate: 1/15/91 5:16:03 PM  
%%VMusage: 1024 45747  
% Generated by Fontographer 3.1  
% Showboat  
 1991 by David Rakowski. Alle Rechte Vorbehalten.  
FontDirectory/Showboat known{/Showboat findfont dup/UniqueID known{dup  
/UniqueID get 4962377 eq exch/FontType get 1 eq and}{pop false}ifelse  
{save true}{false}ifelse}{false}ifelse  
12 dict begin  
/FontInfo 9 dict dup begin  
  -/version (001.001) readonly def  
  -/FullName (Showboat) readonly def  
  -/FamilyName (Showboat) readonly def  
  -/Weight (Medium) readonly def  
  -/ItalicAngle 0 def  
  -/isFixedPitch false def  
  -/UnderlinePosition --106 def  
  -/UnderlineThickness 16 def  
  -/Notice (Showboat  
    1991 by David Rakowski. Alle Rechte Vorbehalten.) readonly def  
end readonly def  
/FontName -/Showboat def  
--stdin--
```

#####

```
-type1-Showboat-medium-r-normal-decorative-0-0-0-p-0-iso8859-1
```

#####

#####

type1.

#####

#####.

#####

#####(1)#####
medium.

r#####, i#####, o#####, ###. ##### ## ItalicAngle ## #####, roman ##### ## #####.

```
##### ,#### ,##### ,##### ,###. ##### ## ### ## ##### ,### #####—
##### ## normal.
```


#####.

```
##### ## #####. Proportional ## ##### isFixedPitch ## #####.
```

...-normal-r-normal-...-p-...

##, ## ##### ##

```
% ln -s /usr/local/share/fonts/type1/showboat.pfb .
```

```
% ex fonts.dir
```

:wq

```
% cp fonts.dir fonts.scale
```

```
% xset fp rehash
```

6

```
% xfontsel --pattern --type1-*

#####: #####(1), ####(1), The X Windows System in a Nutshell, ##### &
#####.
```

```
##### # Fontmap ####. ##### # #
##### # # #11 fonts.dir ####. ##### # # .pfa # # .pfb
##### # # # # # # # # # # # # # # # # # # # # # # # # # # # #
#####:
```

```
Use Ghostscript to examine the font
% gs pfont.ps
Aladdin Ghostscript 4.01 (1996-7-10)
Copyright (C) 1996 Aladdin Enterprises, Menlo Park, CA. All rights
reserved.
This software comes with NO WARRANTY: see the file PUBLIC for details.
Loading Times-Roman font from -/usr/local/share/ghostscript/fonts/tir____.pfb...
-/1899520 581354 1300084 13826 0 done.

GS>Showboat DoFont
Loading Showboat font from -/usr/local/share/ghostscript/fonts/showboat.pfb...
1939688 565415 1300084 16901 0 done.

>>showpage, press <return> to continue<<
>>showpage, press <return> to continue<<
>>showpage, press <return> to continue<<
GS>quit
```

11 #####, #####
#####? #####, ##### 1 #####®
#####, ##### # ps # ####
#####. # #####
#####

#####

```
:$a
Showboat  showboat.pfa
.
:wq
```

#####

```
% cd ~/tmp
% cat >example.t <<EOF
.sp 5
.ps 16
This is an example of the Showboat font:
.br
.ps 48
.vs (\n(.s+2)p
.sp
.ft SHOWBOAT
ABCDEFGHI
.br
JKLMNOPQR
.br
STUVWXYZ
.sp
.ps 16
.vs (\n(.s+2)p
.fp 5 SHOWBOAT
.ft R
To use it for the first letter of a paragraph, it will look like:
.sp 50p
\s(48)f5H\s0fRere is the first sentence of a paragraph that uses the
showboat font as its first letter.
Additional vertical space must be used to allow room for the larger
letter.
EOF
% groff --Tps example.t >example.ps
```

```
To use ghostscript/ghostview
% ghostview example.ps
```

```
To print it
% lpr --Ppostscript example.ps
```

#####: /usr/src/gnu/usr.bin/groff/afmtodit/afmtodit.man, #####_####(5), #####_####(7), ##-#####(1).

8. #####/#####
#####

#####

```
#####  
#####
```

ttf2pf

```
#####  
##### (afm) #####.
```

```
#####  
##### http://sunsite.icm.edu.pl/pub/GUST/contrib/BachoTeX98/ttf2pf/. ####:  
#####  
#####  
#####.
```

```
### #####
```

- GS_TTF.PS
- PF2AFM.PS
- ttf2pf.ps

```
### #####/#####  
ttf2pf.ps #####  
#####  
##### (#####  
#####  
#####  
#####  
#####  
##### /usr/local/share/groff_font/devps(?).
```

afmtodit

```
#####  
##### /usr/src/contrib/groff/afmtodit, #####  
#####.
```



####

```
## ## ##  
## ## ## /usr/src ##,  
## ## ##  
#####.
```

```
## ## ##, ## ## ##. #####:
```

```
# make -f Makefile.sub afmtodit
```

```
### ## ## /usr/contrib/groff/devps/generate/textmap ## /usr/share/groff_font/de-  
vps/generate ## ## ##.
```

```
#### ## ##, ## ## ##:
```

1. ##### .afm #####:

#####

```
% gs -dNODISPLAY -q --- ttf2pf.ps TTF_name PS_font_name AFM_name
```

```
#####, TTF_name ## #####, PS_font_name ## #####  
.pfa #####, AFM_name ## #####.afm #####. ## ##  
#####.pfa ##.afm #####, #####  
#####
```

```
#### ##### # .pfa ####, ####  
#### #####). ####, #### (#) ##  
# #####.
```

```
### #####, ## ##### 30#9 #####  
### #####:
```

```
% gs -dNODISPLAY --- ttf2pf.ps 3of9.ttf  
Aladdin Ghostscript 5.10 (1997-11-23)  
Copyright (C) 1997 Aladdin Enterprises, Menlo Park, CA. All rights reserved.  
This software comes with NO WARRANTY: see the file PUBLIC for details.  
Converting 3of9.ttf to 3of9.pfa and 3of9.afm.
```

```
## ## ##### ## ## ##### ## A.pfa ## B.afm, #####  
#####:
```

```
% gs -dNODISPLAY --- ttf2pf.ps 3of9.ttf A B  
Aladdin Ghostscript 5.10 (1997-11-23)  
Copyright (C) 1997 Aladdin Enterprises, Menlo Park, CA. All rights reserved.  
This software comes with NO WARRANTY: see the file PUBLIC for details.  
Converting 3of9.ttf to A.pfa and B.afm.
```

2. #####:

```
##### /usr/share/groff_font/devps ## ##  
#####. ##. (##, ##  
##### DESC,  
text.enc ## generate/textmap ## ##)
```

```
% afmtodit --d DESC --e text.enc file.afm \  
generate/textmap PS_font_name
```

```
#####, file.afm ## ## AFM_name #####, ## PS_font_name ## ##  
#####(1) #####  
##### ttf2pf.ps #####  
#####, ##### 3#9 #####
```

```
% afmtodit --d DESC --e text.enc 3of9.afm \  
generate/textmap PS_font_name
```

generate/textmap 3of9

9. ### ##### ##### ## ##### ##### ##### #####?

- ### xfsft ### ##### ## #11 ## ##### ##### ## #####
#####. ##### ##### ## ##, ## ## ##### ## #####. ## #####
#####. ##### ##### ## #####
#####.
- ##### ## ##### ##### ##### #11, ##### ftp://sunsite.unc.edu/pub/Lin-
ux/X11/fonts/.
- # ##### tf2bdf ## ##### ##### ##### ## ## ## ## ##—
#####. ##### ##### ## ## ##### ftp://
crl.nmsu.edu/CLR/multiling/General/.
- #####

10. ##### ### ##### ##### ## #####?

12

#####

- <http://www.simtel.net/>
- <http://www.freshmeat.net/>
- ##### x11-fonts/

11.

- #####.pfm #####?
- #####.afm #####.pfa #####.pfb?
- ##### ##### ##### ##### ##### ##### ##### ##### ##### ##### #####?
- ##### #####?? ##### ##### ##### ##### #####?
- ##### ##### ##### ##### ##### ##### ##### ##### ##### #####.

