

- BorderMaker.** *Monotype Corporation* [Version 1.0] A flexible and useful tool for the creation of borders, type that is to be used by it must conform to certain standards: I discuss those in Chapter 2. The same standards also happen to be useful for the use of border typefaces in other programs as well. Needs some work: it is a little unstable and quirky.
- Canvas.** *Deneba Systems, Inc* [Version 3.5.2] A very flexible and useful drawing program. I used it to open TIFF files and then cut and paste the letters into Fontographer. I relocated the origin of the ruler and drew a selection rectangle of a standard size to preserve the relative dimensions of the original characters when pasting into Fontographer's background layer. I also used Canvas to edit screen shots for the illustrations.
- Collector's Edition 1.** *Adobe Systems, Inc* [Version -] I used this as a source of letter forms for illustrations.
- The Electric Typographer.** *2216 Cliff Drive, Santa Barbara, California, 93109; (805) 966-7563* [Font materials] Judith Sutcliffe provides a delightful, beautifully crafted and varied collection of font materials. A catalog is available.
- Flash-It.** *Nobu Täge (Shareware)* [Version 3.02] This is an excellent screen-capture utility. The shareware fee is \$15: Nobu Täge, P. O. Box 7114, Menlo Park, California 94026 USA.
- Font Chameleon.** *Ares Software* [Version 1.0] An interesting concept in typeface creation. Descriptors of any available typeface can be altered in a variety of ways, and can be blended with other descriptors to produce yet more descriptors and typefaces. Used intelligently, this could be a very useful tool.
- Fontographer.** *Altsys Corporation/Macromedia* [Version 3.5/4.1] The first and still best of the tools available for font creation and manipulation. The deceptively simple interface is in reality extremely powerful by virtue of being both transparent and supple.

- FontMonger.** *Ares Software* [Version 1.5] Font manipulation from the people who wrote Letraset's FontStudio. Now a very powerful program that includes drawing tools.
- FontStudio.** *Letraset* [Version 2.0] Potentially a very fine program for the creation of typefaces, with numerous functions – even auto-kerning. Problems in interface continue to plague the program and make it harder to use than it ought to be. Letraset's support is also less than stellar: the program deserves very much better. Now officially declared *dead* by Letraset. Too bad. As of this writing, the source code for the program has reverted to Ares Software: time will tell the outcome of that.
- FreeHand.** *Aldus/Macromedia* [Version 3–5] A fine update to an useful program. Like Illustrator, FreeHand can now do hanging punctuation. FreeHand was particularly useful in preparing the illustrations for this book: it quietly and with no fanfare converted the screen-shot PICT files into TIFF format which was of incalculable utility in scaling and printing the illustrations.
- Ikarus M.** *URW* [Version 2.5] Powerful tool with, relative to the rest of the font tools available, a non-standard approach. This program is intended for use with a digitizing tablet.
- Illustrator.** *Adobe Systems* [Version 5.5] Version 5 of this classic is a treat and a joy to use. Illustrator and Freehand are still the only widely accessible programs that can hang punctuation, though their primary function is illustration. PageMaker? XPress? Aldus..., Quark..., are you listening? Version 5.5 has a number of powerful filters that would be useful in creating typeface variations.
- Incubator Pro.** *Type Solutions* [Version 2.0] A program that can manipulate the x-height, descent, weight, slant, etc. of a TrueType or Type 1 font. Used with caution can be very useful. No longer in development, it is also not supported.
- Kernus.** *URW* [Version x.x] Creates about 1000 kerning pairs easily and quickly. Very configurable. Expensive – \$400 or so – considering that Fontographer, which can do it all, retails for about \$300.
- Linus M.** *URW* [Version 3.0] Auto-trace module for the Ikarus system. Very good, and flexible.

- Metamorphosis Professional.** *Macromedia* [Version 2.03] The Swiss Army knife of font conversion programs. An invaluable tool in the DTP arsenal.
- PageMaker.** *Adobe Corporation* [Version 5.0] The page layout program that started it all. I used it for some of the illustrations, as well as one of the type specimens ('Fleurion').
- Photoshop.** *Adobe Corporation* [Version 2.5.1] An amazing tool that can do just about anything to an image. My own simple use of it was to clean up some scans. Can also be used to alter type, often with the help of Streamline: see Chapter 6.
- Richard Beatty Designs.** 2313 Laurel Park Highway, Hendersonville, North Carolina 28792; (704) 696-8316 [Typefaces] A wonderful source of magnificent typeface materials. A catalog is available. A strong showing in Goudy's typefaces, and an extraordinary collection of border and ornament materials.
- Spectacular.** *Omega Systems* [Version 1.2] A fine program that produces a wide variety of type specimens. Very useful and highly recommended. Omega Systems, P.O. Box 7633, Chico, California 95927-7633; (916) 894-6351.
- Streamline.** *Adobe Systems* [Version 3.0] Dedicated auto-trace program for PostScript. Probably more attractive as a possible first step now than version 4.x of Fontographer can "Clean Up Paths."
- System 7.** *Apple Computer* [Version 7.5.1] This work has been carried out entirely under System 7.5, which I have found is a complete delight. I have had no problems installing it or using it, with the exception of some older programs that failed to function as they ought to. Overall, more stable than any version of System 6.x.
- Textures.** *Blue Sky Research* [Version 1.7] T<sub>E</sub>X for the Macintosh. A wonderful implementation of T<sub>E</sub>X fully integrated into the Macintosh environment. T<sub>E</sub>X sets text better and more flexibly than any other available page layout environment. Originally intended for the typesetting of technical documents (it is very good at typesetting math), it is now used for a wide variety of typesetting tasks in the humanities as well as the sciences. *Lightening Textures* – essentially see-it-as-you-type-it WYSIWYG T<sub>E</sub>X – is about the most breathtaking thing I have ever seen. This work was typeset in T<sub>E</sub>X using Textures. [I am occasionally

asked why I use T<sub>E</sub>X, renowned as it is for its enormous learning curve, and given its usual association with the sciences generally and especially mathematics. There are several reasons. (1) No other piece of desktop software I know of has a line-breaking algorithm based on the paragraph: T<sub>E</sub>X reads an entire paragraph before it typesets anything, and can juggle the line-breaks in such a way that a tight line will not be set immediately above or below a loose line, for instance. All other pieces of DTP software are line-based: Once a line has been typeset they become brain-dead about all that comes before and after. In T<sub>E</sub>X, on the other hand, changing a word in the next-to-last line might alter the way in which the entire paragraph is set in order to maintain consistent typographic color. (2) The basic files for T<sub>E</sub>X are simple ASCII text files, which can be taken to virtually any computer platform. (3) Ligatures (such as ct, st, ff, fi, fl, ffi and fll) are handled automatically by T<sub>E</sub>X – the ASCII text file itself contains no ligatures whatever: they are assembled only when the document is actually typeset by the program. (4) Because T<sub>E</sub>X is essentially a computer programming language that specializes in typesetting, complex ‘programs’ can be written that solve extremely difficult typographic problems, but which are used by merely issuing a simple command. (5) Pairwise kerning is built-in. (6) I find the use of T<sub>E</sub>X to be utterly exhilarating: typesetting for the thinking person. (7) Blue Sky Research is to be warmly congratulated for its superb support, including an 800-number.]

**The TypeBook.** *Golden State Graphics* [Version 2.37] A useful and flexible source of type specimens. Supports color. Freeware, although for \$45 you can have aspects of the program customized for you. Jim Lewis, Golden State Graphics, 2137 Candis, Santa Ana, California 92706; (714) 542-5518. CIS: 71650,2373; AOL: JimXLewis.

**XPress.** *Quark, Inc.* [Version 3.31] One of the leading contenders in the WYSIWYG page-layout line up. Superb control and an interface much improved over earlier versions. I used it to set up some of the type specimens of Chapter 7.