Appendix E

WEBMASTER APPLICATIONS AND TOOLS

The list of apps and tools out there for Mac WebMasters grows each week. It's a full-time job waiting for somebody who can find an employer. The following list is as of May 1, 1995. You can find this list and links to all the latest programs on the WebMaster Mac WWW server at **http://www.webmastermac.com**. The ones with an * before their names are included on the CD-ROM that comes with this book.

* WebSTAR™

WebSTAR is the application that turns your Macintosh into a World Wide Web server. STARNINE is the company that markets the WebSTAR family of products and there are a couple of ways they have packaged things. WebSTAR PS (formerly known as MacHTTP) is included on the CD-ROM that came with this book. For the latest info and pricing on the entire WebSTAR family of products, point your browser to **http://www.starnine.com**.

Cost:	To be announced
Developer:	Chuck Shotton
eMail:	**cshotton@biap.com**

GRAPHICS TOOLS

clip2gif 0.4

clip2gif is a freeware utility that converts PICTs to GIF or JPEG files. It includes manual and batch conversion of PICTs, direct conversion from the clipboard, and is scriptable. Output options include output size, pixel depth, and transparency, gray shades only, and JPEG compression.

> Cost: Freeware
> Developer: Yves Piguet
> eMail: **piguet@ia.epfl.ch**

*GraphicConverter 2.1

GraphicConverter can import more than 50 different graphic formats and export 19, including transparent and interlaced GIFs, and can do this to individual files or batches. It contains a few tools for image manipulation and comes with copious online documentation. The program's architecture provides for plug-ins and the download .sit includes samples of the source code. Very well written and easily worth the shareware fee.

> Cost: $35
> Developer: Thorsten Lemke
> eMail: **thorsten_lemke@pe.maus.d**e

GIFConverter 2.3.7

GIFConverter is also capable of importing several graphic formats. It's a simpler program than Graphic Converter but also very well written. Supports transparent and interlaced GIFs.

> Cost: $40
> Developer: Kevin Mitchell
> eMail: **74017.2573@compuserve.com**

* Transparency

The info window for Transparency states "A quick and dirty utility for creating transparent GIF images." That's what it is, that's what it does. Anyone doing graphics for the Web should have this; it's the quickest way to make one or two GIFs transparent.

Cost:	Freeware
Developer:	Aaron Giles
eMail:	**giles@med.cornell.edu**

MOVIE AND VIDEO TOOLS

AVI->QuickTime

An application and extension for converting AVI formatted files to QuickTime movies.

Cost:	Freeware
Developer:	We don't have a clue. Let us know if you do.

flattenMooV

A utility to flatten movies for use on other platforms. A flattened file is one in which all media references are contained in one file. It uses QuickTime FlattenMovie to move the mooV resource into the data fork of the MooV file.

Cost:	Freeware
Developer:	Robert Hennessy
eMail:	**70363.2164@compuserve.com**

PhotoCapture 1.1

A scriptable utility that allows you to capture video source images and save them to PICT files. Using a combination of PhotoCapture, clip2gif, and AppleScript will allow you to have up-to-the-minute images on your Web pages.

    Cost: $15
    Developer: Scott Gruby
    eMail: **Scott_Gruby@hmc.edu**

SOUND TOOLS

SoundSmith

A great application for converting and capturing sound files.

    Cost: Distribution is limited to Ziff Communications
                     online services and electronic publishing
                     projects
    Developer: Jeff Moore
    eMail: **JCM10@aol.com**

SoundEdit 16

The best commercial sound tool for creating professional-quality audio and converting sound and video to Windows formats and back again.

    Cost: $275.00–$300.00

HOTLIST UTILITIES

Hotlist2HTML 0.7.2

Quick and basic program that does just what it says. It will convert a hot-list from NCSA's Mosaic or EINet's MacWeb into an HTML document, which can in turn be imported into Netcom's Netscape as a Bookmark. (Requires System 7 or greater.)

Cost:	Freeware
Developer:	Lutz Weimann
eMail:	**weimann@zib-berlin.de**

HotList Sorter 1.0b1

Sorts a Mosaic or MacWeb hotlist.

Cost:	Freeware
Developer:	Dave Ransen
eMail:	**dransen@gate.net**

SERVER UTILITIES

Annotate

Allows clients to add and remove their own comments and remarks on a WebSTAR Web site. Useful for discussions a lá USENET.

Cost:	Freeware
Developer:	Phil Harvey
eMail:	**phil@nsun.phy.queensu.ca**

AutoWeb 1.0b

A set of scripts that allows a group of Macintosh users on a network to send raw text to a server and have it automatically formatted for the Web. Allows Internet publishing by large groups of people who don't want to learn HTML. The documentation uses the analogy of automated newsroom systems. Groupware for the Web!

Cost:	$100 site license fee for a public server. (Comes with a free script editor, but to run the scripts, you need Frontier Runtime 3.0, which is $35 per machine.)
Developer:	UserLand Software (Dave Winer)
eMail:	dwiner@well.com

Cron 1.0d16

The Cron clock daemon executes commands at specified dates and times according to the instructions in the **crontab** file. It basically allows to you to set any function on a Macintosh on a timer, such as launching WebStat. (Can it launch the coffe maker?) Absolutely essential.

Cost:	Freeware
Developer:	Chris W. Johnson
eMail:	**chrisj@mail.utexas.edu**

FTPd 2.3

A Macintosh implementation of the UNIX FTP and Gopher protocol. Allows any Mac on a network to be used as an FTP server. Supports MacBinary and BinHex transfers, and the "MACB" FTP command. FTPd can be run either as a foreground app or as background only.

Cost:	$10, single user; $500 business and university license; $2000 worldwide license; $5000 worldwide source code license
Developer:	Peter Lewis
eMail:	**peter@mail.peter.com.au**

* TR-WWW (Total Research World Wide Web)

TR-WWW is a search engine that will allow browsers on your site to search text documents, extract information, generate reports, and integrate it into a database. Runs native on 68k and PowerMacs.

Cost:	Educational/Non-Profit/Internal use: $50 single license, $500 site license.
	Commercial/For Profit use: $300 single license, $3000 site license.
	Annual renewal fee of 30% includes updates and upgrades
Developer:	Adrian Vanzal
eMail:	**adrian@medlan.med.monash.edu.au**

* WebStat

WebStat reads your Web server's .LOG file and produces a summary file. The default format for the summary file is HTML, but it can be reconfigured. It can be launched automatically with the cron utility, for example, and you can retrieve your .LOG files from remote computers.

Cost:	Freeware
Developer:	Phil Harvey
eMail:	**phil@nsun.phy.queensu.ca**

TEXT/HTML EDITORS

HTML Pro 1.5

An interesting approach to HTML editing using two windows, one for the source code and one for a fairly accurate WYSIWYG (HTML) display of the document. We couldn't get the HTML window's grabber bar to show up on my monitor, though. It was alway up and to the left, so we could never see the entire window. Includes support for just about every Scandanavian character without having to type the escape codes.

Cost:	Freeware
Developer:	Niklas Frykholm
eMail:	**nisfrm95@student.umu.se**

HTML.edit 1.5b1

An HTML document editor with extensive documentation. A stand-alone application written in HyperCard.

Cost:	Freeware
Developer:	Murray M. Altheim
eMail:	**murray.altheim@hq.nasa.gov**

HTML SuperText 2.0.1

A well-written editor that uses a color and font style scheme to show links and codes.

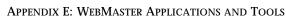|	
Cost:	Freeware
Developer:	Robert C. Best III
eMail:	**robert.best@potsdam.edu**

*HTML Grinder v1.2

Grinder is a batch processor for HTML documents that allows you to do things like find and replace, build indices, and build sequential links. You can expand the program with plug-ins (called wheels), which vary in cost. Grinder itself is free and comes with the Find and Replace wheel fully functioning, and four or five other wheels in demo mode. Handy for moving a site from one machine to another, or if one of your favorite links moves to a different machine.

Cost:	Grinder is free, the plug-ins range in cost (all revert to demo-mode when copied to a new disk)
Developer:	Michael Herrick/Matterform Media
eMail:	**matterform@nets.com**

*BBEdit 3.1

An extremely robust text editor that is scriptable and includes features like Macintosh Drag and Drop, the ability to find differences between several documents, XTND translators, and a host of others. BBEdit is native on the PowerMac. While it is not an HTML editor per se, due to its system of extensions, HTML editing tools can be added to an already extremely useful program. A freeware version called BBEdit Lite is available on most major online services. It is fully functioning as a text editor, but has had several of the bells and whistles removed.

Cost:	$119 (quantity and student discounts available)
Developer:	Bare Bones Software
eMail:	**bbedit@world.std.com**

*BBEdit HTML Extensions 8

A set of extensions for BBEdit and BBEdit Lite that include the most frequently used HTML tags.

Cost: Freeware
Developer: Carles Bellver
eMail: **bellverc@si.uji.es**

*BBEdit HTML Tools 1.3b2

Another set of extensions for BBEdit and BBEdit Lite. Not only includes the most popular tags, but has keyboard equivalents for all of them. A very nice function if you're already used to formatting from the keyboard, as in Word and QuarkXPress. Also has Balloon Help and allows the creation of custom markup routines. You can register with the author to receive updates automatically. Killer.

Cost: Freeware
Developer: Lindsay Davies
eMail: **LD11@unix.york.ac.uk**

Hotlist to HTML Convert

A very simple HyperCard stack for converting a Mosaic or MacWeb hotlist to an HTML document.

Cost: Free for non-commercial use; commercial use
                  requires licensing from developer.
Developer: Larry Aronson
eMail: **rinaldi1@applelink.apple.com**

MAP TOOLS

Hyper MapEdit 1.0

A HyperCard stack for creating ISMAP map files for use with the NCSA httpd Web server. Requires HyperCard 2.0.

Cost:	Freeware
Developer:	Nathan Gasser
eMail:	**gasser@eniac.seas.upenn.edu**

MacMapMaker 1.0

A freestanding application written in HyperCard for mapping images.

Cost:	Freeware
Developer:	Dan Crockett
eMail:	**crockett@ncsa.uiuc.edu**

* WebMap 1.0.1

Probably the best of several utilities for creating CERN- and NCSA-compliant .map files from PICTs and GIFs.

Cost:	Freeware
Developer:	Rowland Smith
eMail:	**rowland@city.net**

imagemap.cgi 1.6

A Perl cgi utility for creating and using imagemap files. Requires ResEdit.

Cost:	Freeware
Developer:	Scott Atwood
eMail:	**atwood@cs.stanford.edu**

Mac-ImageMap 1.3

A cgi utility for using imagemap files. Requires MacHTTP 2.0 or higher, System 7, and WebMap.

> Cost:　　　　Freeware
> Developer:　Lutz Weimann
> eMail:　　　**weimann@zib-berlin.de**

* MapServe

A cgi application for serving imagemap files. Requires MacHTTP 2.0 or higher. Runs native on 68k or PowerMac machines.

> Cost:　　　　Freeware
> Developer:　Kelly Campbell
> eMail:　　　**camk@ksu.ksu.edu**

APPLESCRIPT ADDITIONS

*ACME Script Widgets

ACME Script Widgets is a fantastic collection of AppleScript Scripting Additions that includes Tokenize and Join List.

> Cost:　　　　$10, single user; $100, site license
> Developer:　Wayne Walrath
> eMail:　　　**acme@kagi.com**

*TCP/IP Scripting Addition

The TCP/IP Scripting Addition package allows Open Scripting Architecture (OSA) scripts — like AppleScript scripts — to execute commands related to TCP/IP.

Cost:	$20, single user; $200, site license for business and education; $500 per year if distributed as part of a commercial product.
Developer:	Wayne Walrath
eMail:	**acme@kagi.com**

CGIS: COMMON GATEWAY INTERFACE APPLICATIONS

* AppleSearch.acgi 1.5

AppleSearch.acgi provides a mechanism for users to make their AppleSearch information sources available to others on the World Wide Web. AppleSearch.acgi is implemented as a gateway (CGI) application for use with WebSTAR.

Cost:	Freeware (for use only with a licensed copy of WebSTAR)
Developers:	Chuck Shotton/Apple Computer

*ButlerLink/Web

ButlerLink/Web is from Everyware Development Corp. and is the ideal tool for allowing your Web users to search, enter, and modify data in your Butler SQL databases. Butler SQL is a client-server relational database management system that runs on any Macintosh or Power Macintosh computer. ButlerLink/Web is the tool you use to automatically create the Web pages that utilize Butler SQL as the backend database server.

Cost:	Freeware
Developer:	Mark Wickens
eMail:	**mark@everyware.com**

*DALgate.acgi

Connects WebSTAR to a DAL server, such as the Butler relational DBMS. It can return the result on-screen or by sending mail with Eudora. Users can make simple queries, insert, and delete data.

Cost:	Freeware
Developer:	Michael Bjorn
eMail:	**michael@wiz.sk.tsukuba.ac.jp**

*email.acgi

Email.cgi is a CGI script to be used on WebSTAR servers for the purposes of sending eMail from WWW browsers that are not mail-capable.

Cost:	Freeware
Developer:	Eric Lease Morgan
eMail:	**eric_morgan@ncsu.edu**

*Chuck Shotton's FileMaker Pro cgi

FMPro.cgi connects your WebSTAR server to FileMaker Pro and lets you add, delete, and find records in a FileMaker Pro database from a Web page.

Cost:	Freeware
Developer:	Chuck Shotton
eMail:	**cshotton@biap.com**

*Russell Owen's FileMaker.acgi

Russell's FileMaker.acgi also lets you connect your WebSTAR server to FileMaker Pro. Of the two, his is the better one and is one of the best and most popular CGIs for WebSTAR going.

Cost:	Freeware
Developer:	Russell Owen
eMail:	**owen@astro.washington.edu**

*Fortune Cookie.acgi

The Fortune CGI implements a random fortune cookie generator for WebSTAR. It's a fun little CGI that everyone should have.

Cost: Freeware
Developer: Rob Hafernik
eMail: **shokwave@io.com**

*GIFserv

GIFserv is a neat little CGI that lets you serve up a series of .GIF files. With it you can do tiny animations and other neat tricks.

Cost: Freeware
Developer: Rick Cardona
eMail: **rick_cardona@capmac.org**

*Mail Tools Gateway

Mail Tools is a CGI web gateway for use with your WebSTAR server. The gateway makes it easy for people to turn the mail "vacation" feature on and off and to turn mail "forwarding" on and off.

Cost: Freeware
Developer: John Norstad
eMail: **j-norstad@nwu.edu**

*NetCloak

NetCloak is a WebSTAR add-on that allows you to create dynamic HTML documents. With NetCloak, you can show and hide portions of your HTML documents based on a variety of different criteria, as well as add dynamic information to your pages.

Cost: $50, single user; $250, commercial site
Developer: John O'Fallon
eMail: **john@maxum.com**

*NetForms

NetForms is another add-on application that runs on your Mac Web-STAR WWW server. It allows information entered by users of your server to be automatically converted to formatted HTML documents, which can then be read by other Web clients. In other words, NetForms allows users to contribute to the information published on your Web server, instead of just retrieving it. You definitely should take a look at NetCloak and NetForms!!

Cost:	$50, single user; $250, commercial site
Developer:	John O'Fallon
eMail:	**john@maxum.com**