

Contents

Acknowledgments	xxxi
Introduction	xxxiii

Part I

Connecting to the Internet

1	Internet Connection Concepts	3
	Internet Communications Protocols	4
	Internet Hosts	4
	Servers and Clients	7
	Ports and Port Numbers	8
	The Domain Name System and DNS Servers	8
	Types of Internet Connections	9
	Dial-Up Connections	10
	DSL Connections	10
	ISDN Connections	12
	Leased Lines	13
	Cable TV Internet Connections	13

Satellite Internet Connections	14
Wireless Internet Connections	15
Connecting Local Area Networks to the Internet	16
Internet Service Providers (ISPs)	16
Security Issues on the Internet	17
Protecting Your Computer from Viruses	18
Protecting Your Computer from Intruders with Firewalls	19
Virtual Private Networks	21
Choosing Passwords	22

2 How the Domain Name System Works	25
How Domains Are Organized	26
Domain Records, Zones, Delegation, and Servers	26
DNS and E-mail	27
Reverse DNS	28
Server Software	28
Registering a Domain Name	28
What Types of Domains Are Available?	29
Using WHOIS	31
Preparing to Set Up Your Domain	31
Choosing a Registrar	32

3 Configuring Your Internet Connection	33
Configuring Your Broadband Connection	34
Configuring a Broadband Connection from Windows XP .	35
Enabling the Internet Connection Firewall in	
Windows XP	35
Configuring a Broadband Connection from	
Windows 2000, Me, and 98	36
Configuring a Broadband Connection from a Mac	40
Configuring Your Dial-Up Connection	41
Configuring Dial-Up Connections in Windows XP/2000 .	42
Configuring Dial-Up Connections in Windows Me/98 ..	55
Configuring Dial-Up Connections on Macs	69
Configuring Your ISDN Connection	74
Configuring Your ISDN Connection in	
Windows XP/2000	75
Configuring Your ISDN Connection in	
Windows Me/98	77
Connecting to an Organization's LAN Using VPN	77
Connecting via VPN to or from Windows XP	77
Connecting via VPN from Windows 2000/Me/98	81
Connecting via VPN from a Mac	83

Displaying Your IP Address	83
Testing Your Connection with Ping and Traceroute	84
Pinging Another Computer	84
Tracing Packets over the Internet	85
Displaying Internet Connections Using Netstat	87
4 Connecting Your LAN to the Internet	89
What Is an Intranet?	90
Intranets vs. LANs	90
What Can You Do with an Internet-Connected LAN? ...	91
What Can You Do with a Home Network?	91
What Can You Do with an Intranet?	92
Components of a LAN	93
Workstations and Client Software	93
Servers and Operating Systems	93
Network Cards, Cabling, and Hubs	94
Assigning IP Addresses to Computers on the LAN	94
Hardware and Software that Connects the LAN to the Internet ..	96
The Internet Connection	96
The Gateway	97
Connecting a LAN to the Internet Using Internet Connection	
Sharing (ICS)	99
ICS Components	100
Configuring Computers to Use TCP/IP and DHCP-	
Assigned Addresses	100
Installing ICS on the ICS Server in Windows XP, 2000,	
or Me	105
Configuring the ICS Clients	112
Using Internet Connection Sharing	117

Part II

Exchanging E-mail

5 E-mail Concepts	121
How Do You Get Your E-mail?	122
Receiving Incoming Messages	122
Sending Outgoing Messages	123
Ways of Accessing E-mail	124
E-mail Addressing	124
Message Headers	126
Downloading E-mail	128
Working Offline	128
Deleting Messages from the Server	129

E-mail Netiquette	129
Using Abbreviations, Emoticons, and Smileys	132
Smileys and Emoticons	133
Abbreviations Used in E-mail	133
Formatted E-mail	133
Attaching Files to Messages	134
Web-Based E-mail	134
Mail Away from Home	137
Dialing or Telnetting In	137
Reading Your E-mail on the Web	137
Avoiding Viruses	138
6 Configuring Your E-mail Program	141
E-mail Configuration Concepts	142
Configuring a New E-mail Program	142
Switching to Another E-mail Program	143
Using Multiple E-mail Addresses	144
Sending and Receiving E-mail When You're on the Road	145
Other Configuration Options	146
Outlook 2002 and Outlook Express	148
Configuring Outlook	151
Configuring Outlook Express for Hotmail	152
Configuring Outlook Express for Multiple E-mail Addresses	152
Configuring Outlook for Multiple Users	152
Configuring Outlook 2002 for Multiple E-mail Addresses	153
Formatting E-Mail	153
Sending Form Letters Using Signatures	154
Eudora	154
Configuring Eudora	157
Configuring Eudora for Multiple Users	158
Configuring Eudora for Multiple E-mail Addresses	159
Formatting E-mail	160
Sending Form Letters Using Eudora Stationery	161
Netscape Mail	161
Configuring Netscape Mail	165
Configuring Netscape Mail for Multiple Users	166
Configuring Netscape Mail for Multiple E-mail Addresses	166
Formatting E-Mail	166

Netscape Messenger	166
Configuring Netscape Messenger	167
Configuring Netscape Messenger for Multiple Users	170
Configuring Netscape Messenger for Multiple E-mail Addresses	170
Formatting E-Mail	170
America Online (AOL)	171
Configuring AOL	172
Configuring Netscape 6 Mail to Work with Your AOL Account	173
Configuring AOL to Pick Up Your Mail Automatically ..	173
Configuring AOL for Multiple Users	173
Formatting E-mail	174
Yahoo Mail	174
Reading Yahoo Mail with Another E-Mail Program	176
Configuring Yahoo Mail to Display Mail from Other Accounts	177
Hotmail	177
Configuring Hotmail to Display Mail from Other Accounts	179
7 Sending and Receiving Files by E-mail	181
General Information About Attachments	182
Sending Attachments	182
Receiving Attachments	183
Outlook 2002 and Outlook Express	184
Sending an Attached File	184
Linking a File (for LAN Users Only)	184
Receiving an Attached File	184
Attachment Options	185
Eudora	185
Sending an Attached File	185
Receiving an Attached File	186
Attachment Options	187
Netscape Messenger and Netscape Mail	187
Sending an Attached File	187
Receiving an Attached File	188
America Online (AOL)	189
Sending an Attached File	189
Receiving an Attached File	189
Yahoo Mail	190
Sending an Attached File	190
Receiving an Attached File	190

Hotmail	190
Sending an Attached File	191
Receiving an Attached File	192
8 Fighting Spam, Sorting Mail, and Avoiding	
E-mail Viruses	193
Controlling E-mail Volume and Reducing Spam	194
What Can You Do About Spam?	194
Stopping Spammers	196
Reporting Scams	196
Avoiding Sending Spam	197
The Advantages of Filtering E-mail	198
How Filtering Works	199
Filtering Mailing List Messages	199
Filtering Spam	199
Virus Security Issues	201
Filtering Mail, Deleting Spam, and Defending Against Viruses	
in Outlook 2002	202
Filtering Messages in Outlook 2002	202
Deleting Junk E-mail in Outlook 2002	204
Configuring Outlook 2002 Against Viruses	205
Filtering Mail, Deleting Spam, and Defending Against Viruses	
in Outlook Express	207
Filtering Messages in Outlook Express	207
Configuring Outlook Express Against Viruses	208
Filtering Mail, Deleting Spam, and Defending Against Viruses	
in Eudora	211
Filtering Messages in Eudora	211
Avoiding Viruses with Eudora	214
Filtering Mail, Deleting Spam, and Defending Against Viruses	
in Netscape Messenger and Netscape Mail	214
Filtering Messages in Netscape Mail and Messenger	214
Avoiding Viruses with Netscape Mail and Netscape	
Messenger	215
Blocking Junk Mail in AOL	216
Filtering Mail and Deleting Spam in Yahoo Mail	217
Filtering Messages in Yahoo Mail	217
Yahoo's Junk Mail Spamguard	217
Scanning Files for Viruses with Yahoo Mail	218
Filtering Mail and Deleting Spam in Hotmail	218
Filtering Messages in Hotmail	218
Deleting Junk Mail in Hotmail	218
Scanning Files for Viruses with Hotmail	219

Part III

Chatting and Conferencing on the Internet

9	Online Chatting, Messaging, and Conferencing	
	Concepts	223
	Forms of Chat, Messaging, and Conferencing	224
	E-mail Mailing Lists	224
	Usenet Newsgroups	226
	Internet Relay Chat (IRC)	226
	Web-Based Chat	226
	Web Discussion Boards	226
	AOL and CompuServe Chat Rooms	226
	Instant Messaging	227
	Online Conferencing	227
	How Does Chat Work?	228
	Identifying Yourself	228
	Topics, Newsgroups, Channels, and Rooms	228
	Following the Discussion	228
	Chat and Conferencing Etiquette	230
	Safety While Chatting	232
	Ways to Use Chat Effectively	233
10	E-mail Mailing Lists	235
	Finding Interesting Mailing Lists	236
	How Do Mailing Lists Work?	236
	Mailing List Types and Options	237
	Manually Managed Mailing Lists	238
	List Server Programs	238
	Using the Web to Communicate with a List Server	239
	The ListProc Web Interface	239
	The LISTSERV Web Interface	240
	The Lyris ListManager Web Interface	240
	The Mailman Web Interface	243
	The Majordomo Web Interface	244
	Proprietary Web Interfaces: Yahoo Groups and Topica	245
	Using E-mail to Communicate with a List Server	246
	Management, List, and Administrator Addresses	247
	Common List Server Commands	248
	List Server Communication Problems	256
	Participating in Mailing Lists	256
	Replying to List Messages	256
	Posting a New Message	256
	Mailing List Dos and Don'ts	257

Separating Mailing List Messages from Other Messages	258
Establishing Your Own Mailing List	258
Free and Fee-Based Mailing List Servers	258
Managing a Mailing List with a Mailing List Management Program	259
11 Usenet Newsgroup Concepts	267
What Are Newsgroups?	268
How Do You Read Newsgroups?	269
Finding Interesting Newsgroups	272
Choosing What to Read	272
Choosing What to Post	274
Starting a New Thread	274
Replying by E-mail and Posting Follow-ups	274
Usenet Netiquette	275
Sending and Receiving Attachments	275
Offensive Postings	276
Avoiding Spam	276
How to Create Newsgroups	278
Running Your Own News Server	278
News Server Programs	279
Creating and Naming Newsgroups on Your Own Server	280
12 Reading Usenet Newsgroups	281
Common Newsreading Tasks	282
Configuring Your Newsreader	282
Subscribing to Newsgroups	282
Selecting and Reading Articles	283
Posting Messages	283
Newsreading in Google Groups	284
Newsreading in Outlook Express 6	285
Finding and Subscribing to Newsgroups	285
Selecting and Reading Messages	286
Sending Messages	288
Printing Messages	289
Saving Messages	289
Unsubscribing from Newsgroups	289
Newsreading in Netscape Mail & Newsgroups 6	290
Finding and Subscribing to Newsgroups	291
Downloading and Reading Messages	292
Sending Messages	294
Printing Messages	294

Saving Messages	294
Unsubscribing from Newsgroups	295
Newsreading in Netscape Messenger	295
Finding and Subscribing to Newsgroups	295
Reading and Selecting Messages	298
Sending Messages	299
Printing Messages	300
Saving Messages	300
Unsubscribing from Newsgroups	300
Newsreading with Free Agent	300
Finding and Subscribing to Newsgroups	301
Selecting and Reading Messages	302
Sending Messages	304
Printing Messages	305
Saving Messages	305
Deleting Messages and Groups	306
Filtering Messages	306
13 Internet Relay Chat (IRC)	307
What Is IRC?	308
IRC Networks	308
IRC Servers	309
Channels	310
IRC Programs and IRC Commands	312
Nicknames and Chanops	313
Netsplits and Lags	313
Direct Client to Client Protocol (DCC)	314
Chanserv and Nickserv	314
Chatting in mIRC	315
Getting mIRC	316
Connecting to an IRC Server	316
Listing Channels	316
Joining Channels	317
Starting to Chat	318
Whispering	319
Sending Files	320
Leaving Channels and Disconnecting from Servers	321
mIRC Tips	321
IRC Commands	323
Typing Commands	323
Connecting to a Server	323
Listing Channels	324
Joining Channels and Chatting	324

	Whispering	324
	Sending Files	325
	Leaving Channels	325
	Starting and Managing a Channel	325
	Setting the Topic	326
	Kicking and Banning Users	326
	Designating Other Chanops	327
	Other Chanop Commands	327
	General IRC Tips	327
	Learning More	328
14	Instant Messaging	329
	What Is Instant Messaging?	330
	ICQ	331
	Installing and Getting Started with ICQ	331
	Finding People on ICQ	332
	Sending Messages with ICQ	334
	Other ICQ Features	335
	AOL Instant Messenger (AIM)	336
	Installing and Getting Started with AOL Instant Messenger	336
	Sending Instant Messages	338
	Yahoo Messenger	341
	Getting Started with Yahoo Messenger	341
	Finding People on Yahoo Messenger	342
	Sending Messages with Yahoo Messenger	343
	Windows Messenger (MSN Messenger)	344
	Getting Started with Windows Messenger	345
	Finding People on Windows Messenger	345
	Sending Messages with Windows Messenger	346
15	Web-Based Chat Rooms and Discussion Boards	349
	Interactive Web Chat	350
	Text Chat Rooms on the Web	351
	Graphical Chat Sites	352
	Web Discussion Boards	353
16	Voice and Video Conferencing	357
	What Are Internet Phone, Voice Conferencing, and Video Conferencing?	358
	Internet Telephony and Conferencing Sound Great—Why Don't We All Abandon Long-Distance Phone Calls? ..	359
	Conferencing Is More Than Talking and Seeing	360

Getting Voice and Video Hardware	361
Making Phone Calls over the Internet	362
Voice and Video Conferencing Using Instant Messenger Programs	364
Making Internet Phone Calls with ICQ	364
Making Internet Phone Calls with AOL Instant Messenger (AIM)	365
Voice and Video Conferencing with Yahoo Messenger ..	366
Conferencing with Windows Messenger and MSN Messenger	368
Conferencing with Stand-Alone Programs: NetMeeting	373
How NetMeeting Works	374
Running and Configuring NetMeeting	375
Connecting to a Directory Server	376
Making or Receiving a Call	378
Once You Are Connected	378
Hosting a Meeting or Joining an Existing Meeting	380
What's Next in Voice Conferencing and Video Conferencing? ...	381

Part IV

Viewing the World Wide Web

17 World Wide Web Concepts	385
The Web's Languages and Protocols	386
URLs and Transfer Protocols	386
HTML	387
Java and JavaScript	387
VBScript and ActiveX Controls	388
Plug-ins	388
XML	389
Cascading Style Sheets (CSS)	391
Image Formats	392
Audio and Video Formats	392
Animations	392
Special Kinds of Web Sites and Pages	392
Portals	393
Web Directories and Search Engines	393
Home Pages	394
18 Streamlining Your Browsing	395
Customizing Internet Explorer	397
Choosing Which Toolbars to Display in IE	397
Customizing the Standard Buttons Toolbar in IE	397

Customizing the Address Bar in IE	399
Managing IE's Cache of Web Pages	399
Sharing Internet Explorer with Other Users	400
Linking Internet Explorer to Other Programs	401
Using IE on an Intranet	402
Internet Explorer Browsing Tips	403
Searching Within a Page in IE	403
Viewing HTML Source Code in IE	404
Printing Pages with Frames in IE	404
Opening Multiple Windows in IE	405
Customizing Netscape Navigator	405
Customizing the Toolbars in Navigator	406
Customizing the Navigator Sidebar	406
Sharing Navigator with Other Users	408
Using Navigator on an Intranet	410
Netscape Navigator Browsing Tips	411
Searching Within a Page in Navigator	411
Viewing Information About a Page in Navigator	411
Printing Frames in Navigator	412
Opening Multiple Windows in Navigator	412
Finding and Installing Plug-Ins and ActiveX Controls	413
Plug-Ins in Navigator	414
Plug-Ins and ActiveX Controls in IE	414
Recommended Plug-Ins and ActiveX Controls	414
Uninstalling Plug-Ins and ActiveX Controls	415
Identifying Yourself Online with Microsoft .NET Passport	415
Signing Up for .NET Passport	416
Using .NET Passport	417
Problems with .NET Passport	417
Alternatives to .NET Passport	418
19 Keeping Track of Your Favorite Web Sites	419
The Address/Location Bar	420
Choosing Your Start and Home Pages	421
Setting the Internet Explorer Home Page	421
Setting the Netscape Navigator Home and Start Pages ...	422
The Links Bar and Personal Toolbar	423
Managing the Favorites and Bookmarks Menu	425
Adding Bookmarks and Favorites	426
Editing a Favorite or Favorite Folder in IE	427
Editing a Bookmark or Bookmark Folder in Navigator ..	427

Organizing Favorites and Favorites Folders in IE for Windows	428
Organizing Favorites on IE for UNIX	429
Organizing Favorites on IE for Macintosh	429
Organizing Bookmarks in Netscape Navigator	429
Finding Bookmarks in Netscape Navigator	431
Adding Links Bar Buttons in Netscape Navigator	432
Importing and Converting Bookmarks to Favorites, and Vice Versa	432
Exporting Favorites from Internet Explorer	433
Importing Favorites into Internet Explorer	435
Importing and Exporting Bookmarks in Netscape Navigator	435
Using the History Folder	436
Returning to a Web Page in the History Folder	436
Configuring and Clearing the History Folder	437
The History File in Internet Explorer	438
The History File in Netscape Navigator	438
Using Internet Shortcuts	439
20 Web Security, Privacy, and Site-Blocking	441
Web Security and Privacy Concepts	442
How Security Policies Work	442
What Are Cookies?	443
Blocking Offensive or Inappropriate Web Sites	444
How PICS Site-Blocking Systems Work	444
Recommendations for PICS Web Site Blocking	448
Other Site-Blocking Options	449
Security in Internet Explorer	449
Configuring IE's Security Zones	449
Setting Other IE Security Policies	452
Blocking Web Sites with IE's Content Advisor	455
Security in Netscape Navigator	459
Managing Cookies in Netscape Navigator	460
Managing Navigator's Caches of Web Pages	461
Managing Java and JavaScript in Navigator	462
Blocking Web Sites with NetWatch	463
Inspecting Saved Form Data in Navigator	465
Changing Navigator's Security Warnings and Encryption Options	465

21	Searching the Web	467
	What Are Search Engines?	468
	How Do Search Engines Work?	468
	Search Result Rankings	469
	What Are Web Directories?	469
	What Are Databases?	470
	Using Search Engines for General-Purpose Web Searching	471
	Choosing Your Search Words	471
	Google Tricks	472
	Using Directories for General-Purpose Web Searching	474
	Searching Databases	474
	Finding Searchable Databases	475
	Fee-Based Databases	475
	Searching Usenet Newsgroups	476
	Finding People	476
22	Audio and Video on the Web	479
	Playing Streaming Audio and Video	480
	Popular Audio and Video Players	480
	Internet Radio	482
	Playing MP3 Music	483
	Ripping MP3 Files from CDs	484
	Customizing Your Player with Skins	485
	Finding MP3 Music on the Web	485
	Finding and Downloading Music with Peer-to-Peer Services	486
	Playing Video on the Internet	489
	Prerecorded Video	489
	Live Video with Webcams	490
	Using Windows Media Player	491
	Finding Files with the Media Guide	491
	Creating a Media Library	492
	Finding Internet Radio Stations with the Radio Tuner ...	493
	Using RealOne Player	493
	The RealOne Player Windows	493
	Browsing RealOne's Web Site	493
	Creating Playlists	495
	Playing Internet Radio	496
	Using Internet Explorer's Media Bar	496

Part V**Creating and Maintaining Web Sites**

23	Web Site Creation Concepts	501
	Planning Your Web Site	502
	What Do You Need to Create an Interesting Site?	502
	Basic Steps in Creating a Site	503
	Planning Your Site	504
	Creating Your Site	513
	Elements of a Web Page	513
	What Else Can You Put on a Web Page?	513
	What Tools Do You Need to Develop the Site?	515
	HTML Editors	516
	Database-Driven Sites	519
	Publishing Your Site	520
	Maintaining Your Own Server	520
	Using a Web Hosting Service	521
	Using Your ISP's Server	521
	Using a Free Hosting Service	522
	Publicizing Your Site	523
24	Creating Web Pages by Hand	525
	Where Did HTML Come From?	526
	Creating a New Web Page	526
	Seeing How You Are Doing	527
	HTML Tags	527
	Standard Tags on a Web Page	528
	Adding Hidden Comments	529
	Controlling the Overall Appearance of the Page	530
	Displaying Wallpaper in the Background	530
	Choosing a Background Color	531
	Choosing Colors for Text and Links	532
	Formatting Text	532
	Formatting Headings	533
	Controlling Fonts	534
	Adding Special Characters	535
	Presenting Information in Lists	536
	Presenting Information in Tables	538
	Adding Horizontal Lines	541

Adding Pictures	541
Absolute vs. Relative Pathnames	542
Image Attributes	542
Adding Links	544
Adding a Link That Jumps Within the Page	545
Adding a Link to Your E-mail Address	546
Gathering Information in Forms	546
Creating a Form	547
Fill In the Blanks	547
Formatting Your Page in Frames	551
Drawbacks of Frames	551
Setting Up Frames	552
Changing What Appears in a Frame	553
Summary of HTML Tags	555
25 Using Web Page Editors	561
What Is a Web Page Editor and Why Would I Use One?	562
Web Page Editing Tasks	563
Where to Find Web Page Editors	564
Editing Pages with Netscape Composer	565
Creating a New Page	565
Editing a Page	566
Choosing a View	567
Setting the Background, Text, and Links Colors	568
Setting the Page Title and Properties	570
Entering and Formatting Text	571
Adding Horizontal Lines	572
Formatting Lists	572
Adding Pictures	572
Formatting Your Page with Tables	574
Adding Links	578
Changing the Underlying HTML Code	579
Saving the Web Page	579
Editing Pages with FrontPage	580
Creating Web Sites in FrontPage	581
FrontPage Page Options	582
Using Templates	582
Setting the Background, Text, and Links Colors	583
Setting the Page Title and Properties	583
Adding and Formatting Text	583
Adding Links and Pictures	584
Formatting Your Page Using Tables	584
Using Themes in FrontPage	585

Breaking Your Page into Frames	586
FrontPage Components	586
Editing Pages with Dreamweaver	586
Creating and Editing Pages	587
Formatting Text, Images, and Other Page Components ..	588
Inserting Links	588
Formatting Text and Images in Tables	589
Using Frames in Dreamweaver	589
Advanced (But Helpful!) Features of Dreamweaver	589
Managing the Files That Make Up Your Web Site	592
Editing Pages with Adobe GoLive	592
Creating and Editing Pages	592
The GoLive Site Window	592
Creating a New Page	595
Setting the Background, Text, and Links Color	595
Setting the Page Title	596
Adding and Formatting Text	597
Adding Horizontal Lines	598
Adding Pictures	599
Adding Links	599
Creating and Using Tables	599
Breaking Your Page into Frames	601
Viewing Your HTML as You Work	601
26 Creating and Optimizing Web Graphics	603
Graphics File Formats for the Web	604
Using GIF	605
Using JPEG for Color Photographs	605
Other File Formats	605
Getting GIFs and JPEGs	606
Getting Images and Clip Art from the Internet	610
Special Effects: Progressive Display and Transparency	610
What Is Progressive Display?	610
What Is Transparency?	611
Setting a GIF Color to Be Transparent	611
Avoiding or Fixing Transparency Problems	612
Optimizing Images for the Web	614
Optimizing for Speed	614
Optimizing for Quality	618
Animating GIF Graphics	621
Creating and Animating Image Sequences	623
Animating with JavaScript: Rollovers	624

Creating Clickable Graphics by Using Image Maps	625
Overview of Image Maps	625
Client-Side Image Maps	625
Creating Image Map Code	626
Advanced Features of Graphics Programs	627
Anti-Aliasing	627
Image Slicing	627
Background (Seamless) Tiling	628
Advanced Compression and Optimization	628
Using Special Effects to Create Animations or Enhance Graphics	629
Multimedia Graphics	630
■ ■ 27 Creating Web Audio Files	631
Types of Web Audio Files	632
Static vs. Streaming Audio Files	632
Types of Static Audio Files	633
How to Create Audio Files for the Web	636
Step 1. Capturing the Audio	636
Step 2. Generating a Digital File	638
Step 3. Editing and Processing the Uncompressed Audio	639
Step 4. Encoding the File into a Compressed Audio Format	640
Adding Audio Files to Web Pages	642
Adding a Link to an Audio File	642
Embedding a Multimedia File in a Web Page	644
Adding Video to Web Pages	649
Static Video	649
Streaming Video	650
■ ■ 28 Forms, Interactivity, and Database-Driven Web Sites ..	651
Browser Scripting with JavaScript	653
What Is JavaScript?	653
What Is VBScript?	654
How JavaScript Works	654
Using JavaScript in Web Pages	655
Getting Predesigned Scripts	656
Extending Browsers with Java and ActiveX	656
What Is Java?	656
What Are Java Applets?	657

Getting Java Applets	657
Running Java Applets	658
What Is Microsoft's ActiveX?	659
Running Server Programs from Your Web Pages	659
Creating Web Pages That Run CGI Scripts	661
What Are CGI Scripts?	661
Creating Links That Run CGI Scripts	661
Passing Data from Web Forms to CGI Scripts	662
Writing CGI Scripts	663
Getting, Installing, and Using Prewritten CGI Scripts	664
E-mailing Form Information	664
Embedding PHP Scripts in Your Pages	665
What Is PHP?	665
Writing PHP Code	665
Getting Prewritten PHP Scripts	667
Standardizing Web Page Formatting by Using Server Side Includes or PHP	667
What Are Server Side Includes (SSI)?	667
Standardizing Page Formats Using PHP	668
Creating Web Pages with FrontPage WebBots	668
Creating Active Server Pages (ASPs)	668
Including ASP Code in Web Pages	668
What You Can Do with ASP	669
Creating ColdFusion Pages with CFML	670
29 Advanced Web Page Options	673
Formatting Web Pages Using Cascading Style Sheets	674
Style Sheet Concepts	674
Creating and Applying Text Styles by Hand	679
Creating and Applying Text Styles in Web Editors	682
Positioning Objects on Web Pages	685
Adding Advanced Features to Your Web Site Without Programming	686
Adding a Calendar	687
Adding a Chat Room	688
Adding a Guestbook	690
Adding a Hit Counter	691
Adding a Message Board	691
Adding a News Ticker	692
Adding Other Features	694



30	Uploading Web Pages	695
	The Uploading Process	696
	Web Server Login and Site Location	696
	File Preparation	697
	Uploading Through a Web Interface	698
	Uploading Through Your Web Editor	699
	Netscape Composer 4.x	699
	FrontPage 2002	700
	Dreamweaver	700
	GoLive	701
	Uploading Using an FTP Program or Web Folders	702
	Troubleshooting Your Web Site	702
31	Building Traffic to Your Web Site	705
	How to Get Listed on Search Engines	706
	What Are <META> Tags?	707
	The <TITLE> Tag	709
	Page Content	710
	Popularity of Your Site	710
	Blocking a Page from Inclusion in Search Engines	710
	Submitting Your Site to Search Engines	710
	Getting Links to Your Site	712
	Requesting Links on Other Web Sites	712
	Joining Web Rings	713
	Other Ways of Publicizing Your Site	714
	Keeping Your Visitors Once You've Got Them	714
	Compelling Content	714
	E-mail Newsletters	715
	Analyzing Your Web Traffic	716
	Hits, Page Views, Visits, and Other Miscellaneous	
	Web Reporting	716
	Things to Check in Your Web Log	717
	Site Paths and How to Use Them	718
32	Web Commerce	721
	Purposes of Commercial Web Sites	722
	PR Sites	722
	Marketing Sites	724
	Sales Sites	725
	Support and Community Sites	726
	Selecting a Web Hosting Service	727
	Finding a Web Hosting Service	727
	Questions to Ask Potential Web Hosting Providers	728

Selling via Secure Servers	730
What Is a Secure Server?	730
Digital Certificates	730
Shopping Cart Systems	731
Shopping Cart Services	732
Shopping Cart Software	732
Accepting Payments from Customers	733
Credit Card Service Providers	733
Alternative Payment Service Providers	734
Auction Sites	735
How Auctions Work	735
Finding Internet Auction Sites	736
Selling and Bidding	736
Tips for Buying from Auction Sites	737
Consignment Sites	737

Part VI

File Transfer and Downloading

33 File Transfer by Web, FTP, and Peer-to-Peer	741
Transferring Files by E-Mail	742
Transferring Files via the Web	744
Downloading Files with Your Browser	744
Using a Web Server as a File Server	745
Transferring Files Using Windows XP Web Folders	745
Using Web Folders for Secure File Transfer	748
Transferring Files Using Peer-to-Peer File Sharing Utilities	749
Transferring Files Using File Transfer Protocol (FTP)	750
FTP Clients	751
FTP Servers	751
Transferring Files of Different Types	752
Finding Files on FTP Servers	752
Running Your Own FTP Server	752
Basic FTP Procedure	753
Using Web Browsers as FTP Clients	754
Using Windows-Based FTP Clients Like WS_FTP	756
Using Command-Driven FTP Clients	761
Logging into a Web or FTP Server	770
Telnetting with HyperTerminal	771
Secure Telnet Using PuTTY	774
Logging In, Typing Commands, and Logging Out	775
Working with Files on Your Web or FTP Server	776

	Quality, Security, and Ownership Issues	781
	Ensuring File Quality and Integrity	781
	Ensuring Security	781
	Observing Property Rights	782
	34 Downloading and Installing Software	785
	Types of Downloadable Software	786
	Where Can You Find Files?	788
	Programs Everyone Should Have	789
	Downloading Files from the Web	791
	Finding Files on Your Computer After Downloading	793
	Determining What to Do with Downloaded Files	795
	Dealing with Compressed and Archive Files	796
	Compressed Files for Different Computers	796
	Using Self-Extracting Files	798
	Unzipping ZIP Files	799
	Unpacking TAR Archive Files	805
	Decoding and Decompressing Macintosh Files	805
	Installing Programs	808
	Index.....	811