
Contents

<i>Preface</i>	ix
1—Ecce Internet! Capabilities	1
Overview	1
What Is the Internet?	1
Where, Exactly, Is the Internet?	3
What Is the World Wide Web?	4
How Big Is the Internet?	6
How Important Is the Internet?	10
History: The Internet's Birth and Development	17
Demographics: Who's on the Web?	22
Capabilities: What You Can Do, Find, Visit on the Web	26
E-Mail and the Internet	32
Notes	35
2—Caveat Internet! Potholes, Hazard Lights, and Glare Ice on the Information Superhighway	37
Overview	37
The Times, They Are a-Changin'	37
Modern-Day Luddites	40
Not Dodge City; Who's in Charge, Here?	42
Hazardous Driving Conditions on the Infobahn	46
Drowning in Data: Information Overload	51
Truth and Accuracy: Information and <i>Misinformation</i>	52
Change in the Workplace	54
Change in Us.	56
Access Issues: Haves and Have-Nots	61
Information Overload	63
What About Children? Filtering and Censorship on the Web.	66
Notes	74

3—Libraries and the Internet: Collaboration or Competition?	77
Overview	77
Library Luddites	77
Who Needs Libraries? Who Needs Librarians?	80
The Role of the Reference Librarian	87
What About Books?	88
Internet Capabilities in the Library	91
Internet Filters: Access Denied	98
The Dark Side of the Internet	103
Internet Access Policies	105
The Internet As a Free Forum	106
Proliferation of Information	108
Notes	112
 4—Netizenship: Legal and Ethical Aspects of the Internet	115
Overview	115
Netizens: Rights and Responsibilities	115
Legal Issues on the Net	117
Copyright: Deciding What's Fair	117
Privacy on the Net	122
Ethics and the Internet	126
Identity Theft; Information Theft; Security on the Net	127
Privacy	129
Electronic Security	132
Public Data	133
Holes in Security	135
Spam, Glorious Spam	138
Cookie Monsters and Electronic Footprints	139
Electronic Eavesdropping	142
Notes	144
 5—Internet Resources for Libraries	145
Overview	145
Sites, Sites, and More Sites	146
Recall Versus Precision	147
Effective Search Strategies for Web Information Finding	147
The Internet As a Reference Tool	149
A: General Web Search Engines and Meta-Search Engines	154
B: Basic Reference Sources Online: Essential Web Tools	162
C: News and Entertainment Sites	166
D: Financial News and Information Sources	167
E: Sports Sites	169

F: Travel Sites	170
G: Food/Nutrition Sites	171
H: Health/Medical Sites	172
J: Technology Sites	174
K: Children's/Parents' Sites	175
Book and Other Library Media Shopping Sites	177
Entertainment Sites and Chat Rooms	177
Notes	178
 6—Preserving the Past: Anticipating the Future	179
Overview	179
Preserving the Past: Archiving the Web	179
The Future?	185
Forever Free?	191
Planning: Getting the Future You Want	193
Notes	196
 <i>Appendix A: Selected Glossary of Internet-Related Terminology</i>	<i>197</i>
<i>Appendix B: Alphabetical Index of Web Sites</i>	<i>201</i>
<i>Appendix C: Bibliography: Libraries and the Internet</i>	<i>205</i>
<i>Index</i>	<i>223</i>

Index

- ABCNews.com, 166
About.com, 154
Alexa, 154
All-in-one, 154
Alltheweb, 155
AltaVista, 155
America Online, 6, 84, 155
American Libraries (journal), 73
American Library Association, 69, 98
APB News.com, 166
Archiving. *See* Internet/archiving;
World Wide Web/archiving
ARPANET, 18–19
ArthurFrommer's Budget Travel
Online, 170
Ask Dr. Weil, 172–73
Ask Jeeves, 155
Ask Jeeves for Kids, 175
- BabyCenter, 175
Barlow, John Perry, xvi
Bandwidth. *See* Internet/bandwidth
Bartlett's Quotations, 163
Beaucoup, 155
Berners-Lee, Tim, 4
Best of the Pediatric Internet, 175
Bestfares, 170
BigBook, 163
Biometrics, 134
Biztravel.com, 170
Books. *See* Libraries
Books in Print, 163
Britannica Online, 163
Broadband communication, 188
BrowserWatch, 174
Bush, Vannevar, 18
- Case, Steve, 116
Censorship. *See* Internet/censorship
Centers for Disease Control and
Prevention, 173
Chicago Tribune, The, 166
Children. *See* Internet/children
CitySearch, 170
CNET, 174
CNN Interactive, 166
CNNfn.com, 167–68
CNNSI.com, 169
Communication, history, 11–12
Communication and change, 82
Compuserve, 162
Computer ethics. *See* Internet/ethics
Computer literacy, 61
Computer speed, 10, 148
Computer viruses, 67
CyberDiet, 171
Cyberspace, 3–4, 15, 44, 68, 115
Cybrarians. *See* Librarians
- Denial-of-access attacks. *See*
Internet/hackers
DBC Online Quote, 168
DIALOG, 5, 162
Dictionary.com, 164
Diderot, Denis, 17–18
Digital Chef, 171
Digital divide, 61, 65, 79, 93
Direct Hit, 156
Ditto, 156
Dogpile, 156
Dr. Koop's Community, 173
Dystopians, xvii
- E-mail. *See* Internet/e-mail
Electronic security. *See* Internet/security
Epicurious, 171
ESPN, 169

Ethics. *See* Internet/ethics
Excite, 156
Excite NewsTracker, 166
Expedia, 171

Fair use. *See* Internet/copyright
Family.com, 175
Family Education Network, 175-76
FamilySearch, 164
FedStats, 164
Financenter, 168
Find it Fast, 156-57
FinderSeeker, 157
FirstSearch, x
555-1212, 164
Flyswat, 157
Food & Wine Online, 171
Foxsports, 169
Freud, Sigmund, 74
Funbrain, 176

Gibson, William, 14
Global Gourmet, 172
Global village, 37
Golfonline, 169
Google, 157
Gopher, 5
Goto, 157
Gunsmoke, 44
Gurunet, 157-58
Gutenberg, Johannes, 12, 78

"Haves vs. have-nots." *See* Digital divide
Healthfinder, 173
HotBot, 158

Industry Standard, 174
iNetNow, 158
InferenceFind, 158
inFind, 158
Infobahn. *See* Information superhighway
Infoplease, 164
Information/
 access, 96
 barriers, 49, 99
 definition, 14

dissemination, 180
doubling time, 4, 109
equity, 96, 189
fatigue, 51
formats, 39, 79
gap. *See* Internet/digital divide
impermanence, 48, 181
need-to-know, 133
overload, 38, 46, 51, 63, 81, 94-96,
 108-10
ownership, 184
preservation, 180-81
quality, 48
security, 124
sharing, 47
storage, 181-82
theft, 130
Information-seeking behavior, 16-17,
 81-82
Information superhighway, 4, 79
Infoseek, 159
Inktomi, 159
Intelligent systems, 122
IntelliHealth, 173
Internet/
 access issues, 61-66, 82, 89, 136
 access policies, 105
 accuracy, 7, 44, 53, 190
 addiction, 24, 57, 63
 affordability, 64
 alienation, 59
 amount of information, 7
 anarchic aspects, 14, 46
 anonymity, 30, 37
 archiving, 182
 bandwidth, 193
 book sites, 177
 browser assistants, 122, 185
 browsing. *See* Surfing
 capabilities, 7, 11, 13, 26-30, 110, 191
 censorship, 14, 41, 45, 66-70, 72, 105-6
 change, xvi, xvii, 10, 13, 22, 35, 39, 41
 chat rooms, 33, 67, 177
 children, 66-71, 82, 99, 103
 commercial aspects, 21-22, 45, 63,
 99, 110, 177
 communications medium, 11-13, 68
 complaints about content, 45
 connectivity, 21

- control. *See* Responsibility
- convenience factors, 34–35, 94
- cookies, 135, 139–42
- copyright, 117–19
- cost factors, 34, 64–65, 82, 123, 184, 188–90
- crime. *See also* Hoaxes and scams, 38, 67, 139
- critics, 79
- cyberdossiers, 141
- decentralization, 18–19
- definition, 1–2, 18
- democratizing aspects, 14, 29, 41–42, 53
- demographics, user, 22, 24, 49–50, 62–64, 72, 140–41
- denial-of-access attacks. *See* Hackers
- directories, 148
- diversification, 185–86
- domain names, 22, 99
- doubling time. *See* Growth rate
- e-mail, xii, xiii, 13, 27, 187
- educational aspects, 34
- electronic eavesdropping. *See* Snooping
- encryption. *See* Secrecy
- encyclopedia, 13
- entertainment sites, 177
- equipment, 64–65, 184
- explosion. *See* Growth rate
- ethics, 50, 116, 126–30
- fairness issues, 61
- false drops, 108, 152
- filtering, 69–71, 98–102, 105, 147, 177
- firewalls, 131
- flaming, 49
- “free,” 84, 191–92
- free speech, 45, 67–69. *See also* Censorship
- futuring, 179–96
- government, xi, 99, 106
- growth rate, xi, 6, 8, 10, 21, 47, 187
- hackers, 67, 73, 100–103, 123, 128, 131, 143, 185
- “harmful to minors” statutes. *See* Legal aspects
- hate speech, 14
- history, 4, 11, 17, 21, 22
- hoaxes and scams, 50, 53–56
- human behavior, 153
- humanizing aspects, 60
- identity. *See* Anonymity
- identity theft, 127. *See also* Crime
- importance, 10, 11, 25
- internationalism, 186
- Internet search providers, 146–53
- Internet2, 192
- isolation, 38
- ISPs. *See* Internet search providers
- legal aspects, 46, 68–69, 71, 117
- legislation. *See* Legal aspects
- liberating aspects, 25
- libraries, 64–72, 79, 82, 85, 99, 112
- links, 4, 79
- location, 3
- messaging online, 32
- misinformation, 47, 128
- navigating. *See* Wayfinding
- networking, 37
- neutrality, 44, 61
- newspapers, 107, 111
- number of users, 6, 7, 23
- obscenity. *See* Censorship
- parental monitoring, 71
- passwords, 131, 136
- personal information, 128
- politics, 104
- pornography. *See* Censorship, precision, search, 109, 147
- print media, 11, 78–79, 150
- privacy, xi, 47, 96, 122–25, 129, 131, 141–43, 184
- privacy screens, 72
- problem-solving, 112
- propaganda, 14
- psychological aspects, 50, 56–58, 99, 107
- publishing, 8, 44, 146
- quality control, 52
- quality of life. *See* Social aspects
- quality of service, 188
- recall, search, 147
- reference tool, 149
- relevance, 151
- research, 128
- responsibility, 13, 42–44, 99, 105
- revolution, 11, 38, 39, 192
- rules, 116

Internet/ (continued)

- scams. *See* Hoaxes and scams
- search algorithms, 149
- search engines, 82, 107–9, 146–53, 189–90
- search techniques, 109
- search tools, 146
- secrecy, 124, 129
- security, 34, 124, 135
- service providers, 9, 25
- shopping. *See* Commercial aspects
- size, 2, 6, 7, 8, 109
- skills, 50
- snooping, 52, 71, 123, 127–28
- social aspects, 11, 33
- spam, 127, 138–43. *See also* Commercial aspects
- speed, 188
- spiders. *See* Web crawlers
- spying. *See* Snooping
- subsidy, 65, 80, 82–83
- surfing, 34, 72, 97
- truth. *See* Accuracy
- usefulness. *See* Capabilities
- users. *See* Demographics, user
- voice commands, 107
- wayfinding, 51
- Web bugs. *See* Cookies
- Web crawlers, 5, 8, 62, 108–9, 146
- Internet Travel, 171
- Intuitive systems. *See* Internet/browser assistants
- InvisibleWeb, 159
- Ixquick, 159
- John Henry (American folk legend), 39–40
- Kaplan, Abraham, 146
- King, Stephen, 88
- Kitchen Link, 172
- Learn2.com, 164
- Librarians, 41, 77, 80–84, 87, 188 and copyright. *See* Copyright

- Libraries, 24, 32, 41, 77, 80–84, 88–90, 92, 180
 - Internet access, 82
 - and change, 81–82
 - and privacy, 124–27
 - online public access terminals, 99
 - patron records, 137
- Library Bill of Rights, 105
- Library Literature, ix
- Library of Congress, 164
- Looksmart, 160
- Luddites, xvi, 40–41, 77–79, 92
- Lycos, 160

- Mamma, 160
- Mapquest, 171
- Mayo Clinic Health Oasis, 173
- McLuhan, Marshall, 38–39, 88, 191
- Meals For You, 172
- MetaCrawler, 160
- Microsoft Internet Explorer, 110
- Microsoft's Web Browser, xi
- Moore's Law, 10, 188
- Mosaic Web Browser, 5
- Motley Fool, 168
- MSN MoneyCentral, 168
- MSNBC, 166

- NASCAR Online, 169
- National Center for Supercomputing Applications, 5
- National Institutes for Health, 173
- National Library of Medicine, 173
- National Science Foundation, 19–20
- NBA.com, 170
- Net, The. *See* Internet
- Netizenship, 115
- Netscape, 160
- Netscape Navigator, 110
- Network Solutions, 22
- New York Times*, The, 7, 167
- NEXIS/LEXIS, 5
- NFL.com, 170
- NorthernLight, 160–61

Oingo, 161
 OncoLink, 174
 OneLook Dictionaries, 165
 Online searching, 92–96
 Orwell, George, 124

Parents.com, 176
 ParentSoup, 176
 ParentsPlace, 176
 ParentTime, 176
 Personal computers, 19, 22
 Personal knowledge assistants, 187
 Planning, 193
 Precision, 147
 Preview Travel, 171
 Print technology, 39

Quicken, 168
 Quinn, Jane Bryant, 140
 Quiver, 161

Readers' Guide to Periodical Literature,
 x

Realnames, 161
 RedeSearch, 161
 RedHerring Online, 174
 Reference librarians. *See* Librarians
Roget's Thesaurus, 165

Safe computing, 135
 Salon.com/travel, 171
 Savvysearch, 161
 Search engines, 5, 97, 154–62
 SearchPower, 161
 Semantics, 71
 SeniorNet, 174
 Service911.com, 174
 Shareware.com, 174
 Shuman, Bruce A., ix
 Slashdot, 174
 Snap, 161–62
 Sporting News, 170
 StarChefs, 172

Start, 162
 Stoll, Clifford, 115
 Switchboard, 165

Tavolo, 172
 Taxation, 83
 TechWeb, 174
 Telecommuting, 17, 186
 TheStreet, 168
 ThirdVoice, 162
 Toffler, Alvin, 17, 38, 110
 Total Baseball Online, 170
 Travelocity, 171
 Tufts University Nutritional Navigator,
 172

URLs, 20
 U.S. Postal Service's ZIP Code Lookup
 and Address Information site,
 165
 Utopians, xvii

Virtual reality, 188
 Virtual Reference Desk, 165
 Viruses, computer, 135

WAIS, 5
Wall Street Journal Interactive Edition,
 168–69
Washington Post, The, 167
 Weather Channel, 167
 Web, The. *See* World Wide Web, Internet
 Web browsers, 21
 Web guides, 148
 Web pages, 3, 4, 5, 6, 7, 8
 Web sites, 5, 8, 9, 51, 146ff
 Web surfing. *See* Internet, surfing
 Webcrawler, 162
 Webmonkey, 175
 Who's Alive and Who's Dead, 165
 Wired (magazine), 123
 Wired work environment, 38, 106, 188
 Work, the workplace, 39, 54–56

World Bank, 165

World Wide Web, 2, 4, 9, 20, 96, 154
archiving, 179–83

Yahoo!, 7, 162

Yahoo! Finance, 169

Yahoo! News, 167

Yucky.com, 176