Index

A

affiliate management, 145
Amazon.com, 138
Amber Alert system, 179
Analytical Engine
    Babbage, Charles, 196
Andreessen, Mark, 87
applets, 77
architecture
    client-server, 98
    Internet security, 47
    Java engineering constructs, 88
AT&T Bell Laboratories, 145, 154

B

Babbage, Charles, 196
barharbor.org, 169
Beliefnet, 169
Bell, Alexander Graham, 202
Berners-Lee, Tim, 32, 185
Big Brother, 35
Billiant, Larry, 186
blue boxes, 254
Brand, Stewart, 186
browsers
    HotJava, 87
    WebRunner, 85

C

census data
    digital divide, 128
chat
    individualization, 211
Child Online Protection Act, 253
Child Pornography Prevention Act, 252
Children's Online Privacy Protection Act (COPPA), 31, 113
codex, 218
Cohen, Fred, 255
communication, 198
    arrival of Internet, 205
    convergence, 207
    devices, 208
    history, 200
    impact of facilities, 199
    individualization, 210
Communications Decency Act, 252
community, 163
    business, 165, 172
        B2B sector, 172, 176
        eBay, 172
            pawn shops, 173
        objectives, 172
        virtual Internet malls, 172, 177
        Web portals, 174
    government agencies, 167, 177
        Amber Alert system, 179
        data collection, 178
        elected officials, 181
    individuals, 182
        bulletin boards, 184
        In Real Life (IRL), 188
        MUDs, 187
        newsgroups, 185
        online collaborations, 186
        shared interests, 188

social spaces, 187
Whole Earth 'Lectronic Link (WELL), 186
non-commercial organizations, 166, 168
barharbor.org, 169
Beliefnet, 169
Electronic Frontier Foundation (EFF), 169
Free Software Foundation (FSF), 170
grassroots, 171
Moveon.org, 169
virtual, 182
Computer Emergency Response Team (CERT), 52
Computer Matching and Privacy Protection Act, 252
content filtering
librarians, 126
Cook, Sir William, 202
cuneiform, 218

D

data encryption
privacy, 21
Data Mining Moratorium Act (DMMA), 37
Denial of Service (DoS), 56
desktop publishing, 224
digital divide, 99, 107, 236
breakdown of activities, 109
children, 110
advertising targets, 113
information content, 112
revealing information, 113
socializing, 114
statistics, 110
computer ownership, 105
European Union, 106
factors, 100
First Amendment, 123
geography, 107
people with disabilities, 119
assistive software, 120
technology constraints, 119
technology potential, 120
Web-4-All, 120
protecting minors, 123
public libraries, 123
relevance, 99
seniors, 115
customization, 118
issues, 116
statistics, 115
statistics, 102
United States, 103
U.S. census data, 128
Digital Millennium Copyright Act (DMCA), 39, 253
digital revolution, 222
dot coms
boom, 137
bubble, 138
bust, 138, 141
failures, 141
general model, 139
Linkshare, 144, 150, 159
company background, 145
Japanese localization, 160
Mitsui and Company, 160
Modification Request (MR) system, 156
program documentation, 155
source code control system, 154
systems engineering, 158
technology, 148
Theglobe.com, 140

E

eBay, 172
    pawn shops, 173
e-business
    Java, 91
egalitarianism, 243
Electronic Communications Privacy Act, 252
Electronic Frontier Foundation (EFF), 169
email, 198
    certified, 68
    impact, 199
    privacy, 21

F

Financial Services Modernization Act, 253
Free Software Foundation (FSF), 170

G

Gosling, James, 80
Great South Sea bubble, 138
Gutenberg, Johannes, 219

H

hieroglyphics, 218
Hopper, Grace, 254

I

IBM
    Java, 92
In Real Life (IRL), 188
Industrial Revolution, 221
information, 214
    arrival of Internet, 225
    convergence, 229
    history, 217
    individualization, 228
    synergies, 231
initial public offering (IPO), 138
Internet
    affiliate management, 145
    children, 110
        advertising targets, 113
        misrepresentation, 112
        monitoring use, 112
        revealing information, 113
        socializing, 114
        statistics, 110
    commercial investment, 137
    content filtering, 124
    dot coms, 139
    features shared with Java, 90
    First Amendment, 123
    gold fever, 137
    IPO, 138
    jargon, (see Jargon)
    Java, 75, 90
    people with disabilities, 119
        assistive software, 120
        technology constraints, 119
        technology potential, 120
        Web-4-All, 120
    privacy, (see privacy)
    protecting minors, 123
    security, (see security)
    seniors, 115
        customization, 118

issues, 116
statistics, 115
television
ITV, 83
venture capital, 137
virtual malls, 172, 177
Internet service providers (ISPs), 139
Internet Worm of 1988, 52

J

jargon, 262
404, 262
adminisphere, 262
alpha geek, 262
assmosis, 262
beepilepsy, 263
blamestorming, 263
blowing your buffer, 263
bookmark, 263
career-limiting move, 263
CGI Joe, 263
chainsaw consultant, 263
chip jewelry, 264
chips and salsa, 263
circling the drain, 264
cobweb site, 264
crapplet, 264
crash test dummies, 264
critical mess, 264
cube farm, 264
dancing baloney, 264
dawn patrol, 264
dead tree edition, 264
depotphobia, 265
dilberted, 265
domain dipping, 265
dorito syndrome, 265
dustbuster, 265
egosurfing, 265
Elvis year, 265
email tennis, 265
flight risk, 266
future-proof, 266
generica, 266
glazing, 266
going cyrillic, 266
GOOD job, 266
gray matter, 266
graybar land, 266
hourglass mode, 266
idea hamsters, 267
iqueue, 267
irritainment, 267
its a feature, 267
keyboard plaque, 267
link rot, 267
martian mail, 267
meatspace, 267
midair passenger exchange, 267
monkey bath, 268
mouse potato, 268
notwork, 268
nyetscape, 268
ohnosecond, 268
open-collar workers, 268
PEBCAK, 268
percussive maintenance, 268
plug-and-play, 268
prarie dogging, 268
print mile, 268
salmon day, 268
seagull manager, 269
shovelware, 269
SITCOMs, 269
square-headed girlfriend, 269
squirt the bird, 269
starter marriage, 269
stress puppy, 269

swiped out, 269
telephone number salary, 269
thrashing, 270
tourists, 270
treeware, 270
triple-dub, 270
trog mode, 270
umfriend, 270
under mouse arrest, 270
uninstalled, 270
voice jail system, 271
vulcan nerve pinch, 271
world wide wait, 271
yuppie food stamps, 271
Java, 75
*7 prototype, 83
applets, 77
applications, 77
browser
HotJava, 87
WebRunner, 85
early problems, 87
e-business, 79, 91
e-commerce, 79
engineering constructs, 88
Enterprise Edition (J2EE), 96
environment, 87
features shared with Internet, 90
First Person, 83
Green Team, 80, 95
history, 80
how to promote, 85
IBM, 92
incorporated into Navigator, 87
integration, 93
interconnecting appliances, 81
ITV, 83
language, 87
features, 88
for the Internet, 90
open standard, 89
Liveoak, 85
Micro Edition (J2ME), 96
Microsoft, 88
Oak, 82
operating system, 97
platforms, 95
programming model, 79
Standard Edition (J2SE), 95
terminal, 97
virtual machine (VM), 82
Web, 84
Joy, Bill, 87

L

languages
Java, 75, 82
legislation
Child Online Protection Act, 253
Child Pornography Prevention Act, 252
Children's Online Privacy Protection Act (COPPA), 31, 113
Communications Decency Act, 252
Computer Matching and Privacy Protection Act, 252
content filtering, 124
Data Mining Moratorium Act (DMMA), 37
Digital Millennium Copyright Act (DMCA), 39, 253
Electronic Communications Privacy Act, 252
Electronic Signatures in Global and National Commerce (E-Sign), 257

Financial Services Modernization Act, 253
Privacy Act of 1974, 252
Video Privacy Protection Act, 252
Licklider, J. C. R., 188
Linkshare, 144, 150, 159
company background, 145
Japanese localization, 160
Mitsui and Company, 160
Modification Request (MR) system, 156
program documentation, 155
source code control system, 154
systems engineering, 158
technology, 148

M

McNealy, Scott, 80, 87
mechanical relays, 196
microprocessors, 197
Microsoft
Java, 88
privacy, 38
milestones
privacy issues, 251
security issues, 254
Morris, Robert Jr., 255
Morris Internet Worm, 52, 255
Morse, Samuel F. B., 202
moveable type, 219
Moveon.org, 169, 246

N

Naughton, Patrick, 85
netiquette, 258
Netscape, 138
networking
client-server architecture, 98
creation, 223
networks
Java, 95

O

operating systems
Java, 97

P

Payne, Jonathan, 85
people
Andreessen, Mark, 87
Babbage, Charles, 196
Bell, Alexander Graham, 202
Berners-Lee, Tim, 32, 185
Billiant, Larry, 186
Brand, Stewart, 186
Cohen, Fred, 255
Cook, Sir William, 202
Gosling, James, 80
Gutenberg, Johannes, 219
Hopper, Grace, 254
Joy, Bill, 87
Licklider, J. C. R., 188
McNealy, Scott, 80, 87
Morris, Robert Jr., 255
Morse, Samuel F. B., 202
Naughton, Patrick, 85
Payne, Jonathan, 85

Pepys, Samuel, 64
Polese, Kim, 87
Shoch, John, 254
Stallman, Richard, 170, 185
Stoll, Clifford, 52
Taylor, Robert, 188
Torvald, Linus, 185
von Neumann, John, 254
Wheatstone, Sir Charles, 202
Zimmerman, Philip, 67, 255
Pepys, Samuel, 64
Platform for Privacy Preferences Project (P3P), 32
Polese, Kim, 87
President Clinton
Internet privacy, 42
Pretty Good Privacy (PGP), 67
privacy, 19
Big Brother, 35
communication issues, 21
computer records, 33
copyright infringement, 39
corporate policies, 23
data encryption, 21
data storage vulnerabilities, 39
definition, 19
easy information access, 33
email, 21
European Union and electronic surveillance, 37
government issues, 36
international, 20
Internet chatting, 26
issues in the news, 40
legal system, 19–20
legislation
Child Online Protection Act, 253
Child Pornography Prevention Act, 252
Children's Online Privacy Protection Act (COPPA), 31
Communications Decency Act, 252
Computer Matching and Privacy Protection Act, 252
Data Mining Moratorium Act (DMMA), 37
Digital Millennium Copyright Act (DMCA), 39, 253
Electronic Communications Privacy Act, 252
Financial Services Modernization Act, 253
Privacy Act of 1974, 252
Video Privacy Protection Act, 252
Microsoft, 38
milestones, 251
misinterpreted information, 35
officeplace, 34
President Clinton and the Starr Report, 42
Recording Industry Association of America (RIAA), 39
surveillance, 35
technology, 20
Total Information Awareness Initiative (TIA), 36
unsolicited email, 25
war chalking, 41
Web
issues, 26
Platform for Privacy Preferences Project (P3P), 32
policies, 31
preferences, 32
technology, 30
tracked information, 27
Web-based email, 24

Yahoo!, 22
Privacy Act of 1974, 252
programming
Java, 79
Protestant Reformation, 219

R

Recording Industry Association of America (RIAA)
privacy, 39

S

Secure Sockets Layer (SSL), 67
security, 45
414s, 255
Anna Kournikova virus, 257
authentication, 59
certificates, 63
credential-based, 63
identity-based, 61
Internet packets, 59
passwords, 62
problems, 61
protocols, 60
Black Thursday, 255
blue boxes, 254
Code Red worm, 257
Computer Emergency Response Team (CERT), 52
computer virus
coined, 255
crackers
414s, 255
cryptography, 64
Advanced Encryption Standard (AES), 65
certified email, 68
cipher, 64
diaries, 64
e-commerce, 67
Enigma, 64
packet encryption, 65
Pretty Good Privacy (PGP), 67, 255
problems, 65
public key encryption, 67
Secure Sockets Layer (SSL), 67
transport encryption, 67
Electronic Signatures in Global and National Commerce (E-Sign), 257
first bug, 254
I Love You virus, 256
information protection, 50
Internet architecture, 47, 74
Internet attacks, 50
ARPANET, 52
crackers, 56
Denial of Service (DoS), 56
earliest examples, 52
hackers, 56
Morris Worm, 52
trojan horses, 53
viruses, 53
worms, 53
Internet crime, 57
computer piracy, 58
fraud, 58
intellectual property, 58
Internet Worm of 1988, 255
Klez worm, 257
Melissa virus, 256
milestones, 254
Nimda virus, 257
perspectives, 49
protection, 70
auditing, 73

security policies, 72
Slammer worm, 258
Solar Sunrise, 256
theory of self-replicating programs, 254
trust, 46
trust management, 69
worms, 254
Shoch, John, 254
speculative investment bubbles, 138
Stallman, Richard, 170, 185
Starr Report, 42
Stoll, Clifford, 52
Sun Microsystems, 75
First Person, 83
Green Team, 80, 95
Liveoak, 85
surfing the Internet, 228
synergies, 189

T

Taylor, Robert, 188
technology, 192
telegraph
invention, 202
telephone
cellular, 204
invention, 202
The Cuckoo's Egg, 52
Theglobe.com, 140
Torvald, Linus, 185
transistors, 197

V

vacuum tubes, 196
Video Privacy Protection Act, 252
virtual machine (VM), 82
von Neumann, John, 254

W

W3C, 32, 69
war chalking, 41
Web
browser
HotJava, 87
WebRunner, 85
dot coms, 139
effect on commerce, 137
HTML, 226
HTTP, 226
information objects, 227
information synergies, 226
Java, 75, 84
privacy
issues, 26
Platform for Privacy Preferences Project (P3P), 32
policies, 31
technology, 30
tracked information, 27
privacy preferences, 32
uniformity, 226
URL, 226
Wheatstone, Sir Charles, 202
Whole Earth 'Lectronic Link (WELL), 186
World Wide Web Consortium, (see W3C)
worm, 254

Y

Yahoo!
    email filtering, 22

Z

Zimmerman, Philip, 67, 255