

## Index

- Access Canada 81
- Addresses 101, 138
- Advertising 56
- Africa
  - and networks 72
- AIR for Windows 98
- ALA 29
- Albania
  - and Internet 78
- Altnet 7 9
- American Library Association
  - See ALA
- Anonymous hosts 61
- Apple Computer 111
- AppleShare 89
- AppleTalk 101-102
- Archie 9 6
- Arpanet 14- 15
- AT&T 71, 90, 142
  - Global Link 96
- Atlas Telecom 129
- ATM 91,107, 109
- Audit trails 133
- Authentication 120
- Backdoors 134
- Baker, Steven 110
- Balladur, Edouard 82
- BaltNet 7 8
- Bandwidth 10, 106
- Bank, David 95
- Banyan Vines 89
- BARRNet 115
- Beame & Whiteside Software 93
- Bell Atlantic 25
- Bell Communications Research 123
- Berman, Jerry 129
- Betel 82
- BITNET 19
- Bits 'n Bytes 57
- Boucher, Richard 30
- Brooks-Dingell Bill 28
- Bulgaria
  - and Internet 79
- Bulletin boards 34-35, 132, 143
- Cable Act 30
- Cable tv 28, 30, 40
- California
  - local government 39, 44
- Cal-backs 122
- Canada
  - and Internet 8 1
- Canarie 8 1
- Canter & Siegel 52
- Capstone 118
- CARL 57, 63
- Cashin, Jerry 120, 132
- Casselman, Grace 11 1
- cc:Mail 96, 127
- CCN 49
- Census Bureau 34
- Cerf, Vinton 27, 55
- CERT 114-115, 120
- CESNET 79
- Challenge-response 123
- Chameleon 37
- Charging
  - for information 27, 32, 38, 42, 114, 151
  - mechanisms 61
- China
  - and Internet 81
- Christenson, Ward 143
- Cisco Systems 97, 104
- Civille, Richard 49
- Clarinet 57, 139
- client-servers
  - See servers: client-servers
- Clipper 118
- CMIS 120
- CNUCE 78
- Collins, Tony 13 1
- CommerceNet 42, 60, 66
- Commercialisation
  - of the Internet 54-55, 67, 150
- Compression, data 104, 141
- CompuServe 4, 61, 95
- Computer Security Act 1987 119
- Computer Witchcraft 140
- Computer-assisted learning 47
- Computing environments 88
- Concentrators - network 91
- Confidentiality 51, 114
- Congressional Record 29
- Contract law 130
- Convergence 9
- Copying
  - of information 130
- Copyright 10, 63, 128, 152, 155, 158
- costs
  - Internet connections 100
- Cronin, Mary 54, 80
- CrossComm Corp 104
- Cryptographic software 127
- Culture
  - of the Internet 32, 55-56, 146, 149, 152
- Customer support 57, 61
- Cybersell 52
- Cygnus Support 127
- Czech Republic
  - and Internet 79
- Daemons 105
- Data
  - personal 31
  - rape 31
- Databases
  - commercial 155-156
- Dataquest 89
- DataStorm Technologies 96
- Dataware 6 0

**DaVinci** e-mail 127  
 Dawe, Peter 70  
**DECnet** 19, 102  
 Defense Message System 119  
 Delphi Corp 96  
 Dept. of Agriculture 34  
 Dept. of Commerce 34, 37  
 Dept. of Defense 13, 15, 23, 32  
 Dept. of Justice 28  
 DES 125  
 DESY 79  
 Deutsche Bundespost Telekom 83  
 Dial-up 95, 106, 108  
 Dialog, Inc. 33  
**Diffie, Whitfield** 126  
 Digital Equipment 96  
 Directory services 104-105, 138  
 Disclosure, Inc. 33  
 Distance education 39  
 DLL 92  
 Document delivery 63  
 Dongles 125  
 Downsizing 88  
 Dynatext 59  
 EARN 79  
**EarthLaw** 3 3  
 Eberlee, John 50  
 EBONE 77  
 EDGAR 32-33  
 EDNET 4 7  
 Edwards, Larry 88  
 Electronic Book Technologies 59  
 Electronic Car Showroom 53  
 Electronic mail 5, 54-55, 88, 96, 137-138  
     security 122  
 Electronic Messaging Association 88  
 Electronic surveillance 113  
 Electropolis 59  
 Encryption 117, 125, 140  
**Encyclopaedia Britannica** 53  
 Estonia  
     and Internet 78  
 Ethernet 17, 21, 90  
 Eudora 63  
**EUnet** 19, 77, 85  
 Fair use 55  
 FCC 28.31  
**FDDI** 9 0  
 Federal Information Locator 30  
 Federal Internetworking Requirements Panel 35  
 Federal Maritime Commission 35  
 Federal Register 29  
**FEDLINK** 3 4  
**FedWorld** 35, 37  
 Fidelman, Miles 49  
 File transfer 138  
 File Transfer Protocol  
     See ftp  
 Filtering 156  
 Finger 139  
**Firewalls** 124  
**FIRST** 115  
 Flaming 56  
 Florida  
     local government 42  
 Forbes, Thomas 42  
 Ford Motor 53  
 France  
     and **networks** 82  
     France Telecom 82  
 Freedom of Information Act 32  
**Freenets** 50, 79  
 Freeware 63, 145  
 ftp 96, 142-143  
 Gary, Dain 114  
 Gateways 19  
 GEN 77  
 Germany  
     and **networks** 83  
 Gilder, George 7, 107, 111  
**GILS** 3 6  
 Global Interconnection Exchanges 77  
 GNN 65  
 Godwin, Mike 129  
 Goldstein, Emmanuel 113  
 Gopher 60  
 Gore, Albert 23, 27, 117  
**GOSIP** 3 4  
 Government Printing Office  
     See GPO  
 GPO 29-30  
**GRAMA** 4 7  
 Groupware 92  
 GTE 40  
 Hackers 115, 121, 129, 133  
**Hellman, Martin** 126  
 Helm, Judy 122  
 Hubs, network 91  
 IBM 18, 53, 89-90, 96, 124  
**IETF** 120  
**IIA** 3 0  
 Infodata Systems 33  
 Information Highway 23  
 Informix Software 119  
 Infoware 66  
**INK** 40  
 Intel 40  
 Intellectual property 128  
     protecting 114  
 Inter-networking 34, 90  
**InterAccess** 8 3  
**InterCon** Systems Group 83  
 International Data Corp 88  
 Internet Business Journal 88  
 Internet in a Box 52.98  
 Internet Initiative Japan 84  
 Internet Shopping Network 66  
 Internet Worm 1 15  
 Interoperability 99  
 Iowa Communications Network 50  
**IPX** 102  
**IRSIT** 8 0  
**ISDN** 39, 83, 109  
**IS O** 16

- ISO 7498-2 120
- ISO/IEC 119-120
- Isolation Systems 123
- ITU 76
- JAIN 83
- JANET 19.85
- Japan
  - and networks 83
  - Internet usage 74
- JNT 84
- JUNET 83
- Kahle, Brewster 53
- Kallstrom, James 113
- Kansas
  - local government 40
- Kapor, Mitchell 129
- Kentucky
  - local government 48
- Kentucky Education Television 48
- Kerberos 120, 127
- Kevlar smart card 123
- Key escrow 118
- King, Nelson 8
- Krol, Ed 65
- Labndie, Horace 124
- LaMacchia, David 132
- LANs 17, 89
- LANtastic 102, 104
- Latvia
  - and Internet 78
- Law Enforcement Access Field
  - See LEAF
- LC Catalog 36
- LEAF 118
- Leavitt, Michael 47
- Leslie, Jacques 70
- Levison, Andrew 80
- Lewis, Peter 118, 131
- Libraries
  - electronic 50
  - funds 39
- Library of Congress 29, 36
- Licensing 13 I
- Licklider, J 13
- Lincoln Telephone 41
- LISTSERV 139
- Litronic Information Systems 124
- Livinston, Brian 115
- Local area networks
  - See LANs
- LOCIS 36
- Locus Computing Corp 93
- Lotus Notes 96, 102, 139, 142
- Lunin, Lois 51
- Machado, Jay 57
- Malamud, Carl 110
- Manning, Ric 49
- Marketing
  - on the Internet 54
- Markey, Edward 30
- Markoff, John 53, 113
- MBone 110
- McCarthy, Shawn 35,124
- McCaw Cellular 95
- McClure, Charles 36
- McDATA Corp 102
- MCI Communications 18, 25, 27, 55, 94-95
  - Mail 95
- Mead Data Central 33
- Merenbloom, Paul 134
- Merit Network 18
- Messmer, Ellen 43, 115
- Mexico
  - and Internet 80
- MexNet 8 0
- Microsoft 89, 95-96
  - Mail 96, 127
- Milnet 15
- MIME 141
- Minitels 82
- Monopolies 25, 31
- Morris, Robert 115
- Mosaic 37, 52-53, 55, 60, 65-66, 147
- Moskowitz, Robert 44
- Multicasting 110
- NACISIS 83
- NASK 80
- National Information Infrastructure
  - See NII
- National Review 64
- National Science Foundation
  - See NSF
- National Security Agency 118-1 19, 124
- National Trade Database 34
- NEARNet 115
- Nebraska
  - local government 40
- Neidorf, Craig 129
- NetWare 103
- Network operating software
  - See NOS
- Network publishing 60
- Networks 88
  - bridges 99
  - linkage 94
  - monitoring 112, 117
  - peer-to-peer 97
  - protocols 92
  - regional 18
  - security 113, 121
  - standards 16
  - topologies 97
- New Republic, Inc. 53
- Nextel Communications 95
- NIC 90
- NII 23, 26
- NIST 34, 119, 124-125
- NORDUnet 7 8
- NOS 89
- Novell 61, 89, 92, 96, 98, 103, 142
- NREN 23.85
- NSF 15, 18, 20-21, 50, 85
- NSFNET 18.20
- NTIS 30, 35, 37

NTT 71, 76, 83  
 Numerische Mathematik 53  
 NYSERnet 1 9  
 O'Leary, Mick 43  
 O'Reilly & Assocs. 10, 65  
 O'Shea, Dan 39  
 OMB 36  
 Online Bookstore 53  
 Online Career Center 60  
 Online Computer Center 65  
 Online information services 4, 143, 146, 155  
 OnLine/Secure 119  
 Open systems 34  
 Open use 28  
 Orange Book 119  
 Oracle 61  
 Oregon  
     local government 41  
 OSI 120  
 Osland, Norm 40  
 Pacific Bell 39  
 Panix Public Access 115  
 Passwords 115, 121-122, 133  
 Patent law 130  
 PEAN 72, 82  
 PEM 127  
 Peterson, Gordon 48  
 Pethia, Richard 113  
 PGP 126  
 Phillips Business Information 129  
 Phrack 129  
 Pipex 85  
 PIR 104  
 Piracy  
     of software 13 1  
 Poland  
     and Internet 79  
 Police  
     use of networks 47  
 Portable computers 116  
 Ports 145  
 POSIX 120  
 Privacy 31, 48, 113  
 Procomm for Windows 96  
 Project Hermes 37  
 Proteon 110  
 Protocols 17  
     IPX 98  
         multiple 101  
         origin of TCP/IP 15  
         x.400 104  
         X.500 105, 139  
 Publishers 9-10, 32-33, 39, 59, 115, 121, 129, 155  
 Publishing  
     government 10, 158  
     network 10, 58, 157  
 Qualcomm 63  
 Radio communication 95  
 Rash, Wayne 96  
 RBOCs 25.28, 30-3 1  
 RELCOM 79  
 Renater 85  
 Response times 97  
 Riggs, Robert 129  
 Rohter, Larry 42  
 Rose, Lance 50  
 Rosen, Alexis 115  
 Routers 90, 98, 104  
 RSA 126  
 RSA Data Security 67  
 Russia  
     and Internet 79  
 S/Key 123  
 SafeBoot 123  
 Sakaiya, Taichi 52  
 SANET 79  
 Secur ID 123  
 Securities & Exchange Commission 32  
 Security  
     challenges 116, 155  
     classification 32, 119  
     network 121  
     of Internet 113  
     of trading 114, 128  
     precautions 133  
     system 114  
 Security Dynamics 123  
 Semerad, Tony 40  
 servers  
     client-servers 14, 96, 104  
 SGML 59, 147  
 Shareware 62, 144  
 Shopping Network 54  
 Silicon Graphics 61  
 Silorovsky, Elizabeth 114  
 Singapore 54  
     and Internet 80  
 Skipjack 118, 126  
 SLIP/PPP 108  
 SmartDisk 123  
 Smith, Diane 34  
 Smith, Ralph 23  
 SMTP 138  
 SNA 101  
 SNA/IP 102  
 Sniffers 114, 133  
 Software  
     downloading 144  
     marketing 62  
     piracy 131  
     Software Publishers Association 131  
 SONET 41  
 South Africa  
     and networks 84  
 Spamming 52  
 Springer-Verlag 52  
 Sprint 25  
 Spry Inc 98  
 SQL 120  
 Standards 16, 26, 77  
 Sterling, Bruce 27  
 Strangelove, Michael 59, 64  
 Strauss, Paul 127  
 Strong, Richard 38

- Subsidies 65, 150
- Suginami Cable Television 84
- Sun Microsystems 6, 52, 90
- Supercomputers 18
- SuperJANET** 8 5
- Supreme Court 37
- SVR ES 120
- Sweetland, James 51
- Syntax, Inc 93
- Tables of contents 52, 63
- Tagging 131
- Tague, Michael 140
- Tam, Terry 120
- Taylor, Robert 13
- TCP/IP** 15, 34, 76, 92, 101
- Technology transfer 43
- Tele-Communications, Inc. 84
- Telecommunications
  - costs 100, 107
  - infrastructure 75, 86
  - pricing 91
  - regulation 28, 31
  - specialists 94
  - technology 93
- Telecommuting 39, 44, 46
- telnet 96, 145
- Tenebaum, Jay 66
- Tessera** 118
- Tetzeli, Rick 124
- Texas
  - local government 43
- Texas High Tech 43
- TEXAS-ONE** 43
- Theft
  - of information 130
- TINS** 43
- TIS/PEM** 127
- Token-rings 90
- Trade secrets 13 1
- Trojan horses 133
- Trowbridge, Dave 93
- Trusted Information Systems 127
- Trusted Mail 127
- Tunisia
  - and Internet 80
- UnCover2** 6 3
- United Kingdom
  - and networks 84
  - Internet usage 74
- UNIX 90, 101, 117, 119, 132, 136
- US Dept. of Commerce 88
- US v Riggs 129
- US West 41
- USDA Internet 34
- Usenet** 64, 141
- Utah
  - Educational Technology Initiative 46
  - local government 46
- UTIA 46
- UUCP 138
- UUNET 76
- Valentine, Donald 88
- Vectors of change 10
- Video 109
- Videoconferencing 49, 75, 82, 85, 92, 104
- VINES 105
- VxD 9 2
- WAIS 53, 147
- Wexler, Joanie** 109
- White House Electronic Publishing Program 36
- WIDE 83
- Windows NT 119
- Winner, **Langdon** 50
- Wireless communication 95
- Woo, Junda 129
- Worlock, David** 131
- WWW 53, 65, 147
- XIWT** 110
- Zimmermann, Philip 126