

## Index

- 3-D on the Internet 69
- 3Com 78
- Abstracting
  - automated 85
- Acrobat 14, 48, 63, 64
- Adobe Corp 49, 52, 64
- Advertising 24, 26, 50, 51, 104
- Aereal 70
- Africa
  - and networks 80
- Agents
  - software 62, 141
- Aldus Corn 49
- Alliances
  - value of 126
- Alta Vista 24
- America Online 9, 13, 44, 50, 52, 54, 58, 67, 84, 91, 116
  - multiple roles 122
- American Direct Mail Marketing Assoc 104
- American Multisystems 76
- Analysis
  - linguistic 86
  - statistical 86
- Andersen, Howard 19
- Andreesen, Marc 8, 58
- Apple Computer
  - 65
  - and virtual reality 70
  - outside network environment 140
- Applets 136
- Architext 24, 50, 52, 85, 134
  - replaces indexers 143
- Area Bancshares 2
- Assets 117
  - lack of, in network publishing companies 118
- AT&T 79
  - buys rights to Cable News Network 138
  - monitoring service 113
- A T M 77, 78
- Audio
  - on the Internet 67
- Audio CDs
  - and copying 92
- Audubon's Birds of America 25
- Authentication
  - and security 114
- Authors
  - changing relationships with publishers 108
- Backlinking
  - defined 24
- Bandwidth 2, 75, 77, 80, 89
- Banking
  - electronic 1, 53, 139
  - nature of 1
- Barriers
  - information 80
- Basis Plus 85
- Bay Networks 50
- Bell Laboratories
  - and challenge-response mechanism 102
  - and security 98
- Bell, Gavin 70
- Bemers-Lee, Tim 8.69
- Bertelsmann
  - and America Online 117
- Bertolus, Jean-Jerome 19
- Best Enterprise 63
- Black groups 93
- Bolt, Beranek and Newman 79, 95
  - monitoring service 113
- Books
  - printed 20
- Browsers 12, 59, 60, 75, 82
- Bulletin boards 8
- Burst Multicast 106
- Business-to-business selling 27
- Button, J 107
- Buttonware 107
- Cable News Network 138
- Cardinal Bancshares 1, 2
- Carnegie-Mellon University 86
- CD-ROM
  - current prevalence of 124
  - emergence of 8
- Cello 58
- Censorship
  - and Internet culture 13
- Change
  - pace of, on Internet 41
- Charging
  - options on Internet 51
- Cibaire, M 40, 49
- Cisco Systems 50, 78
- CIX 9, 13
- Clarinet 3
- Claritech 87
- Cognito 24
- Collaborative communications 16, 46, 54, 136, 141
- Collabra 59, 75, 128
- College Marketing Group 1, 25, 52
- Comdex 3
- Commerce
  - electronic 32
- Communications
  - role for Internet 53
- CompuServe 29, 43, 54, 58, 82
  - and censorship 107
  - and high-speed links 78
  - and Home Page Wizard 13, 66
  - and security 98
  - loses Cable News Network 138
- Computer Associates 83
- ConQuest Software 87
- Consumer markets 33
- Content
  - importance of 121
- Convergence 137

Copying	106	Frame Relay	77
Copyright	91, 108	FrameMaker	49, 64, 88
and Internet culture	13, 106	Frontier	65
laws inadequate	110	ftp	62
links with security and privacy	110	Fulcrum Technology	84
Copyright Clearance Center	106, 123	FullText	84
costs		Galt Technologies	117
of Internet presence	43	Gambling	38, 54
CP Software	88	Geffen Records	53
Creators		GEIS	31, 75
empowered by Internet	109	Gopher	62
Credit cards		Government	
theft of numbers	111	and funding of Internet	74
Credit data	32	and use of Internet	14
Criminal behaviour	3	Graphical visualisation tools	69
Cuadra Assocs	88	Graphics Workshop Pro	61
CuCme	20, 71	Groupware	54, 89
Cylink Corp	98, 101	H.W. Wilson	143
Data warehousing	20	Hackers	95
Database publishing	66	Hackers, The (film)	92
DataTimes	85, 89	Harlequin	23
Decision support		Header packet identification	103
replaced by software	144	Hewlett Packard	65
Department of Commerce (US)	29	Hidner, Murray	51
Desktop Data	87	Hijack	61
Desktop publishing	138	Hive mind	
DigiPhone	68	emergence of	17
and voice telephony	136	Holland, John H	131
Digital Equipment Corp	24	Hot Metal Pro	67
Digital signatures	113	HTML	57, 61, 63, 65
Dis-intermediation	4	HTML tools	63
DR-LINK	86	Huntingdone Bancshare	2
Drag-and-drop software	66	Hyperspace	
Dun & Bradstreet	31, 32, 103	reality of	140
E-mail	10, 46, 62, 132	Hypertext	8, 48
Earth Web	51	IAC	
Editorial systems	123	See Information Access Corp	
Electronic Book Technologies	64	IBM	52, 75, 83, 88, 89
Electronic mail		and copyright protection	106
See E-mail		and encryption	97
Elite		Information Marketplace	103
emergence of information	15	SNA	79
EMAP Metro		Identification and Authentication	101
and rights	108	Illustra	67, 82
Encryption	96, 97	Image editing	61
and security	114	Image processing	142
Encyclopaedia Britannica	36, 84	Indexing	21, 24
Enforcement		automated	85, 86, 135
of rules on Internet	39	Individual, Inc	3, 87
Entertainment	41, 54	Information	
Eppie's Weaving Gallery	52	barriers to	80
Excaliber Technologies	87	control of	80
Fast-cycle time	16, 139	monitoring	88
Fees		retrieval	83, 88
for access	51	software for text retrieval	85
Ferguson, Charles H	19	Information Access Corp	24, 52, 13 1
Filo, David	21	Information elite	
Filters	62, 88, 144	development of	15
Firewalls	94, 96	Informix	67, 82
and security	114	InfoSeek	21, 22, 23, 24, 26, 52, 85, 135
Ford Motor Co.	4	Inktomi	24
Forefront Group	83	Intell.X	85, 89

Interactivity	20, 134	
Interleaf	64	
Internet Relay Chat	16, 62	
Internet Telephone Co	68	
Internet Underground Music Assoc	14, 34	
InText		
tools	89	
InText Systems	88	
Intranets	55, 74	
benefits of	76	
Intuit	32, 52, 117, 139	
and Netscape	138	
Isolation Systems	98	
Iwave	20	
Java	12, 20, 58, 63, 65	
Hot Java	12, 65	
Kelly, Kevin	17	
Kentucky	1	
Kirsch, Stephen	21	
Kitze, Christopher	25, 51	
Knight-Ridder	9, 25, 85, 131	
La Baume, Renaud de	19	
Labyrinth Group	70	
Levy, Stephen	1	
Lexis-Nexis	9, 85	
Librarians		
replaced by software	144	
Libraries		
public	3	
Liddy, Elizabeth	86	
Lieu, S.M.	91	
Linguistic analysis	86	
Lotus Notes	68, 74, 75, 88	
Louisville Courier Journal	60	
Lycos	26, 52, 85	
Lynx	58	
Macintosh	71	
Mail bombs	91	
Mailing lists		
and privacy	105	
Market share		
problems of assessing	128	
McKinley Data	104	
McNeely, Scott	64, 76	
Megan's Law	3	
Mergers	126	
Metcalfe, Robert	43	
Metcalfe's Law	43, 46	
Microsoft Applications Programming Interface	77	
Microsoft Blackbird	63, 134	
Microsoft Corp	10, 48, 50, 59, 61, 62, 63, 79, 81, 84, 89, 91	
and security	98	
key to success	120	
tries to catch up	138	
Microsoft Network	63	
multiple roles	122	
Microsoft Office	63	
Microsoft Visual Basic	20	
Microsoft Word	61	
Minitel	9	
Mitnick, Kevin D	97	
Monitoring		
and affect on privacy	104	
of Internet traffic	102	
utilities	103	
Morris, Charles R	19	
Mosaic	8, 10, 58, 82	
and challenge-response mechanism	102	
Motion pictures		
and copying	92	
Murphy, Kathleen	45	
MusicNet	53	
National Computer Security Association	96	
National Federation of Independent Business	28	
National Security		
opposes secure systems	112	
NaviPress	21, 50, 67	
NaviServer 6	7	
NaviSoft	50, 52, 67, 82, 116	
NCSA	58, 59	
Negroponte, Nicholas	11, 50, 74	
Nelson, Theodore	8	
Net, The (film)	34	
Netiquette	13	
Netscape	58, 59, 61, 65, 75, 82	
and Intuit software	138	
firewall functions	97	
valuation of	118	
Network publishing	11, 41	
broad consequences	138	
defined	7	
Nielsen Media Research	103	
Nielsen, A.C.	19, 44	
Nifty-Serve	9	
Nonaka, Ikujiro	43	
Novell	79, 89, 137	
NSCA	58	
NTR-NET	51	
Number		
of users on Internet	4, 6, 44	
O'Reilly & Assocs	44, 59, 68	
Web Server	81	
OMI WebReporter	103	
On-demand printing	125	
Online Data		
and copying	92	
Online Research Group	45	
Online shopping	27	
Open Inventor	70	
Open Market	59, 82	
firewall functions	97	
Open Text	21, 83, 85, 87, 135	
Oppenheim, Charles	91	
Opportunity		
key concept in network publishing	141	
Oracle	59, 62, 65, 67, 75, 82, 85	
Outman, James	24	
Owensboro National Bank2		
PageMaker	49, 64	
PageMill	64	
Paper		
rising cost of	14	
Paradox	67	

Parallel processing	87	
Password protection	97	
Pathfinder	34.36	
Peer review		
on networks	16	
Pegasus Software	89	
PeopleSoft	76	
Permissions	121	
scramble to acquire	122	
Personal computers		
in US homes	6	
Personal Library Software	24, 85, 135	
Personalisation	132	
Pesce, Mark	70	
Ping bombing	94	
Piracy		
and software	107	
Point, the	1, 25, 50, 105, 117	
Power Browser	75, 83	
Pretty Good Privacy	94, 97	
Printed material		
and copying	92	
Printing		
on-demand	125	
Privacy	91, 102	
impacted by monitoring	104	
links with security and copyright	110	
Private networks		
and security	114	
Prodigy	13, 43	
and censorship	107	
Productisation	41	
Programmes		
scheduled	20	
Protection		
of ownership	91	
Protocol conversion	80	
PSI	78	
Public records		
online availability	105	
Publishers		
and rights	108, 122	
attracted by network publishing	122	
changing relationships with authors	108, 122	
past power	109	
secondary and primary	121	
Publishing		
grassroots	46	
traditional	17, 40, 47	
Quark	49, 64	
Quarterdeck	68	
and voice telephony	136	
Quicken	117	
QuickTime	49	
Quint, Barbara	26	
Radio broadcasts		
on the Internet	68	
Raggett, Dave	69	
Raptor Systems	98	
Real Audio	68	
Reed-Elsevier		
and rights	108	
Retrieval software		
See Text retrieval		
Riddler, The	39	
Rights	121	
become key issue	109	
scramble to acquire	122	
Rimm Study	13	
Rocktropolis	34	
Rothschild, Michael	115	
Routers		
high-speed	78	
intelligent	12	
RSA Data Security	95, 97	
RSA encryption technology	98	
S-HTTP	100	
San Jose Mercury News	60	
Sausage Software	63	
Scholars		
and publishing	14	
Search and retrieval		
See Text retrieval		
Secure Sockets Layer		
See SSL		
Secure Transaction Technology		
See SST		
Security	80, 91	
basics of	96	
breaches	93, 112	
embedded	112	
links with copyright and privacy	110	
planning	98	
Security Dynamics	101	
Security First Network Bank		
See SFNB		
Self-policing		
on Internet	40	
Serch	70	
SFNB	1, 2	
SGML	8, 63, 65, 137	
Shen	100	
Shimomura, Tsutomu	97	
Shopping online	27, 53	
Signatures, digital	113	
Silicon Graphics	70	
SoftKey	50	
SoftQuad	63, 67	
Software		
and copying	92	
developers	66	
distribution	53	
industry	61	
Software Nanny	107	
Software piracy	107	
Sony VISA	72	
Spider	67	
Spider Technologies	83	
Spoofing	94	
Spot, The	38	
Spry Communications	58	
Spyglass Technologies	59, 82	
and challenge-response mechanism	102	
SSL	98	

SST	98		
Staff			
importance of, in network publishing		125	
Standards			
lack of	7		
non-emergence of	112		
StarBurst Communications	106		
STARweb	88		
Statistical analysis	86		
STN	85		
StratCom	78		
Subscription fees	23		
Sun Microsystems	12, 64, 65, 76, 81		
Netra	96		
Sybase	65, 67, 82, 83		
Symantec	20		
Syracuse University	86		
Takeuchi, Hiroataka	43		
TCP/IP	132, 133		
Technical Communications Corp	98		
Telecommunications			
companies and ATM	77		
network structure	2		
Telecommuting	46		
Telephony			
Internet will not yet replace on the Internet	68	141	
Telescript	65		
Television			
replaced by networks	16		
Televisionisation	38		
Terisa Systems	58		
Text retrieval			
software for	85, 144		
TextWise	86		
Time Magazine	54		
Time-Warner	34, 36		
Tokens			
and security	114		
Tool Control Language	62		
Tracking software	103		
Trade Points	28, 29, 30, 31		
Traffic			
monitoring of	19		
on Internet sites	19		
TrueSpeech	20		
UniDial	51		
Unipalm	50		
United Nations Organisation	28, 30		
University Microfilms International		21	
University of California			
and Inktomi	24		
University of Massachusetts	86		
University of Michigan			
and online trade data	29		
and user studies	44		
UNIX	95, 132, 134		
many versions of	81		
UNTPDC	28		
Usage			
of Internet sites	19		
of online services	7		
USAir	136		
Users			
number of on Internet	4, 6, 44		
typical, on Internet	44		
LJUNET	50, 78		
Vantive Corp	76		
VDOLive	71		
Vector space indices	86		
Verification	97		
Verity Inc	48		
Vermeer Technologies	137		
Video			
compression	71		
on the Internet	67, 71		
Video conferencing	75, 77, 79		
Violino, Bob	91		
Virtual reality	37, 69		
Virtual Vineyards	53		
Visa International			
and security	98		
VocalTec	4, 61, 68		
VRML	37, 69		
Wachovia Corp.	2		
WAIS	84		
Walnut Creek	50		
Warlock, John	1		
Web page generation	63		
Web sites			
number of	8		
Web Weaver	63		
Web Whacker	83		
WebCrawler	135		
WebForce	37		
West Publishing	85, 87		
White Pine Software	71		
Wilder, Clinton	91		
Wilson, H.W.	21		
Windows	60, 69, 71		
copies of	108		
Windows NT	81		
and security support	95, 112		
Wollongong Group	59		
Woolley, Benjamin	56		
World Trade Centre Assoc	29		
Xanadu Project	8		
Xcite	24		
Xerox Corp	125		
Xing Technology	71		
Yahoo	8, 21, 50, 52, 85		
Yi, James	21		
Zachary Law	3		
Zimmerman, Philip	97		