

SUBJECT INDEX

A major discussion of a topic in an essay is indicated by a boldface page number. Mention of an individual in an essay often includes reference to one or more of that person's published works. Therefore, readers doing name searches should also consult the Cited Author Index.

- 1955–1964 most-cited *Citation Classics* 37
- 1961–1982 most-cited articles 132, 187, 311
- 1981 most-cited chemistry articles 105, 327
- 1982 most-cited chemistry articles 497
- 1983 most-cited life sciences articles 444
- 1983 most-cited physical sciences articles 480
- 1983 Nobel Prize
 - economics 68
 - literature 72
 - medicine 60
- 1984 Nobel Prize
 - chemistry 437
 - economics 469
 - literature 473
 - medicine 416
 - physics 432
- 1985 NAS Award for Excellence in Scientific Reviewing 151
- 1985 Nobel Prize 477

A

- abstracting and indexing services 386
- acid rain
 - note on cluster maps for 94
 - public issues and proposed solutions 88
 - what it is and what it does 77
- advertising in *Current Contents* 100
- AIDS research fronts 451
- Alexander, Leo 273
- All in Line* (book) 373
- All the Beauties of the World* (book) 477
- all-cited-author searching 381
- allergies
 - behavioral manifestations 392
 - diagnosis and treatment 140
 - epidemiology and etiology 119
 - to celery 166
- An Alternative Approach to Allergies* (book) 146
- Alzheimer's disease 82

- American National Standard for Library Materials* 387
- American Sign Language 294
- Andrews, Stephen Pearl 7
- animal linguistic studies 293, 302
- Apple from One's Lap* (book) 475
- The Arms of Venus* (book) 475
- Arrhenius, Svante August 245
- Arrow, Kenneth J. 68
- articles *See* most-cited articles
- Arts and Humanities Citation Index* 50, 73, 387
- Arunachalam, S. 67
- ASCA
 - improvements in 381
 - price of 391
- Asimov, Isaac 371, 377
- asthma 119, 392
- Auschwitz concentration camp 255
- authors
 - number of 337, 454, 482
 - secondary, in searches 381
- Automated Subject Citation Alert*
 - improvements in 381
 - price of 391
- automobile safety for children 174
- awards
 - Eli Lilly Award in Microbiology and Immunology 152
 - George Sarton Medal 250
 - NAS Award for Excellence in Scientific Reviewing, 1985 151
 - Nobel prize 1983 60, 68, 72
 - Nobel prize 1984 416, 432, 437, 469, 473

B

- bacteriophage lambda 151
- Baekeland, Leo 248
- Baltazzi, Evan 9
- Banner, Ronald 275

Subject Index

Bardeen

Bardeen, John 480
Bergey's Manual of Determinative Bacteriology 38, 40
Bernhard, Sidney 2
Beyond Word Processing (book) 364
Bidez, Joseph 245
Billings, John Shaw 321
Bliss, Henry E. 22
Bodily Changes in Pain, Hunger, Fear and Rage (book) 289
Bolstein, David 152
book reviews 54
books, highly cited 40
Boole, George 32
Borodin, Aleksandr 50
brachygraphy 4
breast feeding, effect on allergies 124
Brennan, Roe 15
Bridge of Stone (book) 475
Brooks, William A. 8
Brown, Michael S. 478
Buchanan, Allen 273
business letter, cost of 13
Byrom, John 5

C

Calvert, Jack G. 91
Calvin, Melvin 115
cancer research fronts 456
The Cartoon: A Short History of Graphic Comedy and Satire (book) 368
cartoons 368
The Casting of Bells (book) 476
celery, stalking secrets of 164, 247
CERN 481
Chandrasekhar, Sivaramakrishna 60, 67, 68
Chandrasekhar, Subrahmanyam 60, 67, 68
Charon, Thelma 323
chemical shorthand 9
chemistry
 1981 most-cited papers 105, 327
 1982 most-cited papers 497
 Nobel Prize 1984 437
Chemistry Citation Index 113, 118, 327, 497
children
 development of allergies in 123
 injury prevention in 174
Chipman, John S. 156

chlorination of water 339, 348
The Chronicle of Higher Education 162
citation analysis
 allergy journals 398
 and Nobel prize winners 65, 73, 133, 192
 economics 70
 genetics 63
 literature 73
 Little Science, Big Science (book) 232
 surgery journals 197
 uses and misuses of 403
citation classics 37, 410
citation patterns 37
citation studies
 1955-1964 most-cited *Citation Classics* 37
 1961-1982 most-cited articles in *Science Citation Index* 132, 187, 311
 1981 most-cited chemistry articles 105, 327
 1982 most-cited chemistry articles 497
 1983 most-cited life sciences articles 444
 1983 most-cited physical sciences articles 480
 papers by 1984 Nobel Prize winners 423
City in Tears (book) 474
Clapp, Verner W. 325
clerical workers 11
Clever Hans phenomenon 306
clinical ecology 124, 146
clinical journals, coverage by *Current Contents* 97
cluster maps for acid rain 94
Cochran, Joan L. 460
co-citation searching 35
Cohen, I. Bernard 251
coin-operated drycleaning centers 224
Common and Uncommon Uses of Herbs for Healthful Living (book) 168
computer software
 Index Chemicus Online 106, 118
 Sci-Mate 360
computer-aided information retrieval 320
computer-aided transcription 17
computerized speech recognition 17
Conant, J.B. 250
concentration camps 255, 265
Consumer Product Safety Commission 177
Contemporary Classics in the Life Sciences 410
cost of ISI products 386

Subject Index

Goodman

Council of Biology Editors 464
court reporting 4, 14, 15
Cowles Foundation 68
creativity, effect of meditation on 288
Crick, F.H.C. 188
cryptomnesia 162
cumulations
 cost of 389
 Science Citation Index, 1955-1964 37
Curie, Marie 60
Current Abstracts of Chemistry and Index
 Chemicus 100, 106, 118
current-awareness services 383
Current Chemical Reactions 101, 118
Current Contents
 cost of 390
 journal selection for 96
 origin of 320
 relationship to *SciSearch* 30
Current List of Medical Literature 321
Custom Contents 379

D

Darkness Visible (book) 74
Day, Robert A. 463
Debreu, Gerard 68
demand analysis 472
Demographic Accounting and Model-Building
 (book) 471
depression 393
The Development of Mathematics (book) 9
Dickens, Charles 4, 5
dictation 18
dictation machines 12
The Dispensary of the United States of
 America (book) 164
Doctors of Infamy: The Story of the Nazi Medi-
 cal Crimes (book) 266
documentation, pageless 160
drinking water, chlorination of 339, 348
drycleaning
 commercial history and social impacts 223
 process and history of 213
Dubos, René 251
Durkheim, Émile 245
Dyer, Oliver 7

E

economics
 Nobel Prize 1983 68
 Nobel Prize 1984 469
Eight Days (book) 475
Eisenhower, Dwight D. 465
Eli Lilly Award in Microbiology and
 Immunology 152
Ember, George 9
environmental concerns
 acid rain 77, 88
 adverse effects of chlorination of water
 343
 costs of pollution 471
 drycleaning solvents 226
ethics of citing Nazi data 265
exponential notation 9

F

Fairfield, Roy P., reprint 162
The Federalist Papers (book) 160
A Feeling for the Organism (book) 62
female clerical workers 11
Field, Helen G. 320
file management with *Sci-Mate* 360
Fisher, Michael Ellis 156
Foege, William 183
A Formulary or Aqrâbâdhin of Al-Kindi (book)
 168
Fowler, William A. 60, 68
Fox, Eugene 60
Fox, John P. 274

G

Gabelsberger, Franz 5
Garfield, Eugene, reprint
 Scientometrics, 1985 233
Garrison, Fielding 321
Genetics Citation Index 63
Genetics in the 20th Century (book) 62
ghostwriting 460
Glashow, Sheldon 432, 480
Glass, H. Bentley 325
Golding, William 72
Goldstein, Joseph L. 478
Goodman, Roger 275

Subject Index

Gottwald

Gottwald, Klement 475
government approach to child safety 174
Grainger, Shirley 21
The Great Medical Bibliographers (book) 321
Gregg, John Robert 3, 6, 7
Gregg shorthand alphabet 7
Grunwald, Henry 476
Guerlac, Henry 251
Gurney, Thomas 4
Gyllensten, Lars 72

H

half-life of journals 202
Halley's Comet (book) 476
Hammett, Louis P. 2
Harris, Sidney 368
Hastings Center Report 271
Hauptman, Herbert A. 478
Hawkins, Lawrence F. 8
Hayne, Robert 2, 3, 323
Hayward, John S. 272
health
 allergies 119, 140, 166, 392
 child safety 174
 of concentration camp prisoners 256
 of drycleaners 226
 safety of drinking water 339, 348
 See also medicine
The Helmet of Clay (book) 475
Henderson, L.J. 249
*Henley's Twentieth Century Book of Formulas,
 Processes, and Trade Secrets*
 (book) 165
Herbal Handbook for Everyone (book) 168
Herdegen, Ted 325
Herschel, Caroline Lucretia 247
Herschel, William 247
Herskowitz, Ira 151
Herskowitz, Irwin H. 152
Herskowitz, Joel 152
Hirwich, Williamina 320, 323
history of science 241, 247
history of surgery 197
Hodgkin, Dorothy Crowfoot 60
Holocaust 254, 265
hotels 213
Hughes, Christy 175
hyperactivity 395

I

I Knew a Phoenix (book) 248
immunology 417
implicit citations 53
Index Chemicus 3, 101
Index Chemicus Online 106, 118
Index Medicus 321
Index-Catalogue 321
indexing services See abstracting and indexing services
information overload 21
information retrieval 31, 320
information science 2, 3
The Inheritors (book) 74
injury prevention in children 174
Input-Output and National Accounts
 (book) 471
Institute for Scientific Information
 awards sponsored by 151
 cost control at 386
 customer support services 365
 employees
 Brennan, Roe 15
 Cochran, Joan L. 460
 Day, Robert A. 463
 Kordowitz, Fran 18
 Livingston, Mary 18
 Murphy, Sharon 18
 Sher, Irving 3, 17
 Small, Henry 403
 Stone, Amy 465
 Zajdel, Marianne 460
 origins of 320
Introduction to the History of Science
 (book) 241, 242, 243, 246, 249
Ireland, Ward Stone 7, 14
ISI Atlas of Science 466
ISI ONLINE 36
ISIS (journal) 241, 245

J

Jablonsky, Stanley 323
Jerne, Niels K. 60, 416, 418, 432, 469
Jolly, Jean-Baptiste 219
journal citation studies

- allergy journals **398**
 surgery journals **197**
Journal of the American Chemical Society
 105, 106, 327
 journals
 coverage by *Current Contents* **96**
 represented in *Citation Classics* **412**
 that published most-cited articles 133, 187,
 311, 497
 See also individual journal titles

K

- Karle, Jerome 478
 Kekulé, August 289
 Kevles, Daniel 251
 Keynes, John Maynard 470
 Klein, Lawrence 68, 472
 Köhler, Georges J.F. 60, 416, **420**, 432, 469
 Koopmans, Tjalling C. 68, 195
 Kordowitz, Fran 18
 Kuhn, Thomas 251

L

- language studies with apes **293, 302**
 Larkey, Sanford V. 320, 323, 324
 laser surgery 198
 Leake, Chauncey B. 325
Learning and Sleep (book) 288
 learning power, effect of meditation on **285**
 least publishable units 102
 letter, cost of 13
 life sciences
 1983 articles most cited in 1983 and 1984
 444
 citation classics in **410**
 literature
 Nobel Prize 1983 **72**
 Nobel Prize 1984 **473**
Little Science, Big Science (book) **232**
Living Systems (book) 21
 Livingston, Mary 18
 Loeb, Jacques 245
Look Homeward, Angel (book) 461
Lord of the Flies (book) 73
 Luck, James Murray 151
 Luhn, Peter 325

M

- The Magic of Herbs* (book) 165
Major Trends in Jewish Mysticism (book) 278
 Maler, Karl-Goran 72
Martindale: The Extra Pharmacopoeia (book)
 168
 Masaryk, Tomáš 475
 Mason, William 4
 mathematical notation 9
 Mauchly, John 325
 Mayr, Ernst 251
 McClintock, Barbara **60, 68**
 McKusick, Victor 151
 McNinch, Joseph H. 322
 Meade, James 470
*The Measurement of Consumers' Expenditure
 and Behaviour in the United Kingdom,
 1920-1938* (book) 472, 473
 medical shorthand 9
 medicine
 celery as **168**
 Nobel Prize 1983 **60**
 Nobel Prize 1984 **416**
 See also health
 meditation
 effect on learning power and creativity **285**
 practice and physiologic effects of **276**
 Merrifield, R. Bruce 416, 432, 437, 439, **440**,
 469
 Merton, Robert K. 232
 Michael, Donald N. 276
 reprint 23
 Michener, James A. 462
 Mieli, Aldo 248
 migraine **396**
 Milstein, César 60, 416, **420**, 432, 469
 Mitchell, Peter 115
 Modigliani, Franco 478
 Moe, Kristine, reprint 271
 monoclonal antibody applications 421
 Moody, John 476
 Moos, Malcolm 465
 most-cited articles
 1961-1982 in *Science Citation Index* **132**,
 187, 311
 chemistry 1981 **105, 327**
 chemistry 1982 **497**
 from 1955-1964 **37**

Subject Index

most-cited

life sciences 1983 **444**
physical sciences 1983 **480**
surgery **206**
Mother (book) 476
Mozart in Prague (book) 476
Murphy, Sharon 18

N

Nalimov, V.V. 276, 288
National Academy of Sciences Award for Excellence in Scientific Reviewing **151**
National Income and Expenditures (book) 470
National Shorthand Reporters Association 15
The Nature of the Chemical Bond (book) 160
Nazi research data **265**
New York Times 403
The Nightingale Sings Poorly (book) 474
Nobel Prize
chemistry 1984 **437**
economics 1983 **68**
economics 1984 **469**
literature 1983 **72**
literature 1984 **473**
medicine 1983 **60**
medicine 1984 **416**
physics 1984 **432**
Nothing but Love (book) 474
Noyes, Arthur Amos 336
Noyes, William Albert 336
nuclear winter 487
number of authors 337, 454, 482

O

occupational health of drycleaners **226**
Oliver (musical) 98
Olson, Jane 373
On Learning to Plan & Planning to Learn (book) 22
On Radio Waves (book) 474
On the Shoulders of Giants (book) 162
online databases
Arts & Humanities SEARCH 51
Index Chemicus Online 106, 118
Sci-Mate 30, **360**
SciSearch 30

online searching
with *Sci-Mate* **360**
with *SciSearch* **30**
Osiris (journal) 250
Ostwald, Friedrich Wilhelm 245

P

page charges for *Current Contents* 100
page restrictions for *Current Contents* 103
pageless documentation **160**, 195
The Paper Men (book) 74
Pepys, Samuel 4
Perkins, Maxwell 461
Perry, James W. 2, 320
phage biology 151
Pharmacopoeia Universalis (book) 165
Physica (journal) 195
physical sciences, 1983 articles most cited in 1983 and 1984 **480**
physics
interface with chemistry **327**
Nobel Prize 1984 **432**
Pincher Martin (book) 74
Pitman, Isaac 5, 6
Pitman shorthand alphabet 6
The Plague Monument (book) 477
Poincare, Henri 245
poisoning prevention in children **179**
A Poor Painter Set Out in the World (book) 476
Potter's New Cyclopaedia of Botanical Drugs and Preparations (book) 165
Price, Derek J. de Solla **232**, 251
prices of ISI products **387**
prisoners, health of **256**
A Programme for Growth (book) 472
Psychiatry 255
psychoneuroimmunology 397
Put Out the Lights (book) 475

Q

Quantity and Price Indexes in National Accounts (book) 470
Quarterly Cumulative Index Medicus 321
The Question of Animal Awareness (book) 299
The Quiet Rebels (book) 279

R

- Radil-Weiss, Tomáš, reprint 255
 Randolph, Theron 125
 Rascher, Sigmund 265, 273
 Reagan, Ronald 462
Realms of the Unconscious: The Enchanted Frontier (book) 276, 288
 Relman, Arnold 273
 research fronts
 acid rain 82, 94
 allergies 125, 397
 animal linguistic studies 299
 bacteriophage lambda 153
 celery 169
 chemistry 114, 327, 500
 child safety 181
 chlorination of water 355
 economics 70
 genetics 64
 meditation 289
 physical sciences 486
 surgery 206
Retrospectroscope: Insights into Medical Discovery (book) 412
 review articles 152
Rites of Passage (book) 74
Robed with Light (book) 475
 Rogers, Brad 322
 Roman, C.V. 67
 Rose, Billy 2, 8
 Rubbia, Carlo 416, 432, 433, 469
 Runfolo, Thomas F. 17

S

- Salam, Abdus 432, 480
 Samuelson, Paul 472
 Sarton, George
 early life 241
 Medal 250
 Memorial Lecture 251
 new discipline shaped by 247
 Sarton, Mabel 245
 schizophrenia 394
 school-bus safety 177
Science Citation Index 21
 1955-1964 cumulation 37

- accessing through *SciSearch* 30
 cost of 387
Science Goes to the Dogs (book) 368
Science Since Babylon (book) 234
 scientific reviewing, award for excellence in 151
Scientometrics 233
Sci-Mate 30
Sci-Mate Software Systems 360
SciSearch, how to use 30
 seat-belt use 174
 Seifert, Jaroslav 68, 416, 473
 Selye, Hans 9
 sex differences in manifestation of allergies 122
 Shaw, Ralph 325
 Shelton, Thomas 4
 Sher, Irving 2, 3, 17
 Sherhand 3
 shorthand
 history and evolution of stenographic languages 1
 technology, from stenotypy to computer-aided transcription 11
 Shyrock, Richard 242
 Siedell, Atherton 321
 Siegel, Seymour 273
 Simon, Herbert A. 68
 Simone, Claude 478
 Skála, Ivan 476
 Small, Henry 403
 Smith, Adam 69
 Smith, David Eugene 245, 249
Social Accounting and Economic Models (book) 471
 software See computer software
 solvents used in drycleaning 220
The Song of Viktorka (book) 475
 speech recognition machines 17
The Spire (book) 74
 stenographic languages, history and evolution of 1
 stenotype machine 7, 8, 14
 Stone, Amy 465
 Stone, Richard 68, 416, 469
Subtle Is the Lord (book) 56
Superlearning (book) 287
 surgery, history of 197
 surgery journals 198

Subject Index

Taine

T

Taine, Seymour 322
Taube, Henry 60, 68
Taylor, Samuel 5
Technol. Forecast. Soc. Change 23
Temkin, Owsei 242
Thackray, Arnold 251
Tiro, Marcus Tullius 3
Tobin, James 68
TM: Discovering Inner Energy and Overcoming Stress (book) 279
Towards a System of Social and Demographic Statistics (book) 471
Trance, Art, and Creativity (book) 276
transcendental meditation *See* meditation
twins, allergy studies in 123

U

ultrasound 198
An Umbrella from Piccadilly (book) 477

V

van der Meer, Simon 416, 432, 433, 436, 469
The Varieties of the Meditative Experience (book) 277

Viorst, Milton 464
Vocalock 17
volume splitting 196
von Klitzing, Klaus 478

W

W⁺ and W⁻ particles 480
water chlorination 339, 348
Watson, J.D. 188, 407
The Wealth of Nations (book) 69
Weinberg, Steven 432, 480
Welch Medical Library Indexing Project 320
The Western Intellectual Tradition (book) 50
White, Andrew Dickson 249
Willis, John 3, 4
Wiswesser Line Notation 9
women clerical workers 11
Woodward, Robert S. 249

Y

Yerkes, Robert 296

Z

Zajdel, Marianne 460