

SCIENCE NEWS INDEX

Vol. 138, Nos. 1-26, July-December 1990, pp. 1-416

Science Service, Washington, D.C. 20036

A

Abboud, François M.	345
Abel, Lynne S.	396
Abortion	281
Abrams, Barbara	75
Abscicic acid	409
Academic giftedness	124
Accretion disks	246
Acid rain	277
ADA deficiency	388
Adams, Jonathan M.	388
Addadi, Lia	116
Adelberger, Eric G.	183
Adenosine deaminase	68, 180
Advasio, James	392
Advanced Research Projects Agency	379
<i>Aedes albopictus</i>	309, 318
Aerogels	316
Aerosols	118
Agent Orange	103
Aging	100, 301
Aging, cellular	198
Agocs, Mary M.	244
Agricultural Research Service	378
Ahmad, Imad-ad-Dean	237
AIDS	56, 95, 104, 286, 375
AIDS dementia	95, 375
AIDS drugs	15, 56, 375
AIDS policy	378
AIDS prevention	380
AIDS-related complex	103
AIDS transmission	286
AIDS treatments	15
AIDS vaccines	375
Air pollution	5, 62, 277
Air pollution, indoor	28, 86, 260
Albanes, Demetrius	302
Alberts, David S.	69
Alcohol	95, 327
Alexander, Helen M.	200
Alfven, Hannes	267
Algae	364
Allamandola, Louis J.	247
Allen, David B.	356
Allen, Lew	4, 39, 359
Allen, Thomas H.	276
Allergies	109, 262, 341
Alligators	270
Alzheimer's disease	183
American Indians	6, 68, 282
Americas, human occupation	68
Amoebas	318
Amphibians	191, 270
Amylin	250
Anderson, Christopher M.	372
Anderson, Deborah J.	286
Anderson, Jan M.	246
Anderson, W. French	68, 180, 388
Andrasko, Ken	40
Aneurysms	293
Angel, Roger	39, 54, 102, 220, 359
Angell, C. Austen	87
Angell, James K.	228
Angus, John C.	72
Animals	280
Anorexia	138
Antarctica	87, 391
Antibodies	165, 181
Antimatter	38
Antiprotons	38
Antivenins	360
Anxiety	102, 197, 262
Apnea	333
Appelt, Krzysztof	57
Archaeoastronomy	236
Archean age	347
Archeological theft	392
Archeopteryx	246
Archives, preservation	90
Argand, Emile	24
Art	28
Arthritis	357
Arthritis, rheumatoid	23, 294
Artificial insemination	263
Ashkin, Arthur	326

Askenase, Philip W.	341
Aspirin	327
Assil, Kerry	331
Aster, Richard H.	54
Asteroids	182, 286
Asthma	95, 235, 373
Astro Observatory	356, 372
Astronomers	236
Atherosclerosis	308
Attitude	77
Augsburg, John K.	116
Augustine, Norman R.	398
Auroras	248
<i>Australopithecus afarensis</i>	107
Autism	391
Autoantibodies	165
Autoimmune diseases	165, 294, 357
Aviram, Ari	22
Awshalom, David D.	342
AZT. See Zidovudine	

B

Bachorowski, Jo-Anne	84
Bacteria	382
Bahcall, John N.	348, 358
Bahcall, Neta	260
Bahrack, Harry P.	375
Bailyn, Charles D.	28, 246
Bakker, Robert T.	255
Baldwin, Ian T.	410
Bancroft, Larry	266
Banfill, Robert	398
Banholzer, William F.	37
Baraff, David	328
Barbour, Alan G.	261
Bard, Morton	199
Barnes, Donald	283
Barnes, Lawrence G.	21
Baron, David A.	301
Basile, Anthony S.	38
<i>Basilosaurus isis</i>	21
Beall, Robert	181
Bears	282
Beaver, Earl	325
Beavis, Ronald C.	217
Becker, David V.	39
Beebe, Reta	228
Beers, Angela	39
Bees	215, 261
Beetles	201
Beggs, James	54
Bell, Iris B.	262
Belousov-Zhabotinsky reactions	89
Benbow, Camilla P.	212
Bengtson, Stefan	121
Benzodiazepines	38
Bereavement	278
Bergh, Sidney van der	133
Berliner, Hans	327
Bernays, Elizabeth A.	410
Berry, Richard L.	309
Beta carotene	308
Betancourt, Julio L.	132
Beverly, Stephen M.	292
<i>Bidens pilosa</i>	93
Biegón, Anat	301
Bikales, Norbert M.	298
Billam, Roger	126
Biodegradables	218
Biodiversity	70, 93, 111, 213
Biology, developmental	15
Biosensors	70, 79
Birds	182, 246
Birkenmeier, Edward H.	123
Birthweight, low	102
Bjork, Robert A.	314
Bjorken, James D.	204
Black holes	310, 372
Blaese, R. Michael	68, 180, 388
Blankenbecier, Richard	143
Blass, Elliott M.	229
Blaustein, Mordecai P.	344
Blechman, Elaine	102
Bleeding disorders	54
Blindness	207

Block, Steven M.	326
Blood tests	247
Bock, Yehuda	358
Body fat	138, 238
Body weight	75, 138, 189, 191
Boice, John D., Jr.	70
Bollinger, G.A.	183
Bolognesi, Dani P.	375
Bonatti, Enrico	214
Bone mass	107, 279
Boninger, David S.	77
Borkowsky, William	141
Borst, Piet	292
Bosons	204
Bovine growth hormone	116, 372
Bowles, Dianna J.	409
Boynton, William V.	319
Brain	182, 232, 325, 391
Brain, language and	54, 134
Brain imaging	297
Brainerd, Charles J.	36
Branch, David	133
<i>Brassica kaber</i>	93
Bregelmann, George L.	233
Brenner, Malcolm K.	68
Bressler, Neil M.	207
Bressler, Susan B.	207
Brickett, Paul	297
Briffa, K.R.	126
Briggs, Derek	120
Briggs, George M.	187
Brinell, Heiner	232
Brockes, Jeremy	15
Bromley, D. Allan	379
Bronchitis	95
Bronchodilators	373
Brown, James H.	390
Brown, Robert H.	302
Brown, Ronald D.	247
Browning, Iben	380
Bruce, W. Robert	302
Brune, James N.	380
Bruun, Ruth D.	44
Bubbles	319, 341
Buchsbaum, Monte S.	117
Buckalew, Vardaman M., Jr.	344
Buckminsterfullerene	357
Budget, federal	378
Buist, A. Sonia	373
Bunney, William E.	117
Bunshah, Rointan F.	390
Burack, Joseph R.	333
Burchfiel, Clark	26
Burger, William C.	111
Burgess shale	120
Burke, Kevin	24
Burns, Joseph R.	31
Burns, Michael M.	101
Bush, George	47, 378
Butler, James E.	74
Butler, Peter C.	251
Butterflies	70
Bypass surgery	333

C

Cabanac, Michel	232
Cabbage	93
Caecilians	270
Caffeine	220, 253
Calcium channels	100
Camann, David E.	86
Cambrian fossils	120
Campbell, Susan B.	124
Cancer	198
Cancer, breast	126, 302, 342
Cancer, chemotherapy	199
Cancer, colorectal	69, 302, 374
Cancer, diet	69, 126, 302, 374
Cancer, genetics	101, 342
Cancer, leukemia	199
Cancer, lung	4, 109, 260
Cancer, lymphoma	104
Cancer, melanoma	68, 388
Cancer risk	132, 260, 342
Capocchi, Mario	292
Caporaso, Neil E.	109
Cappello, Joseph	214

Caramazza, Alfonso	54
Carbon	238, 357
Carbon dioxide	118, 277, 286, 310, 388
Carcinogens	4
Cardelino, Carlos A.	5
Carlson, John B.	236
Carpenter, Kenneth	31
Carpeting	86
Carr, Robert S.	6
Carroll, C. Ronald	410
Carroll, Sean B.	360
Casey, Timothy M.	215
Cassini mission	62
Caterpillars	93
Cats	109
Causey, Billy	365
Ceci, Stephen J.	36
Cellular aging	198
Ceramic crystals	390
CERN	204
Cesarean section	54
Chait, Brian T.	217
Chameides, William L.	5
Chanowitz, Michael S.	204
Chaos	213, 329
Chasman, Richard R.	53
Chaturvedi, Lokesh	293
Chemical Safety and Hazard Investigation Board	277
Chemical vapor deposition	37, 72, 197
Chemicals, hazardous	277
Chen, Wen Y.	20
Chesney, Margaret A.	12
Chess	327
Children, AIDS-infected	141
Children, cholesterol	389
Children, injuries	267
Children, intellectually gifted	212
Chimpanzees	106, 280
Chin, Karen	270
Chloride anions	181
Chloride channels	143
Chlorofluorocarbons	6, 277
Chloroquine	311
Cholesterol	109, 126, 191, 333, 389
Chou, Joanne	251
Chow, Wah Soon	246
Chowdhury, J. Roy	294
Christensen, Norman	266
Christou, Julian C.	335
Chu, Steven	215
Chudnovsky, David V.	222
Chudnovsky, Gregory V.	222
Chuong, C. James	263
Ciardullo, Robin	12
Cimetidine	327
Ciochon, Russell	245
Cirrhus	340
Clack, Jennifer A.	191
Clardy, Jon	396
Clark, David D.	373
Clarke, William R.	389
Clarkson, Thomas W.	244
Clay, Keith	201
Clays	282
Clean Air Act	277
Climate	118, 126
Climate change	184, 217, 327, 367, 379, 388
Cliver, E.W.	255
Close, Francis E.	278
Clouds	217
Clouds, giant molecular	253
Clouse, Ray E.	85
Clusters, atoms	279
Coates, Michael I.	191
Cobalt	333
Coddington, Charles C.	377
Coffee	220, 253, 351
Cohen, Jacques	377
Cohn, Jeffrey F.	124
Colds	141
Colitis	85, 123
Collagen	294
Colley, Sarah	36

Collins, Anita	261
Collins, Francis S.	61, 101
Collins, Gilbert W.	71
Comet Austin	286
Comet Levy	286
Comets	286
Comings, David E.	42
Composting	347
Computer chess	327
Computer chips	197
Computer graphics	328
Computer languages	222
Computer networks	90, 122, 373
Computer security	90, 373
Computers	222
Computers, algorithms	389
Constable, Edwin C.	55
Contact lenses	207
Continents	191
Conway Morris, Simon	120
Cooke, Gary A.	392
Cooper, Garth J.S.	250
Cooper, William	283
Cooperative State Research Service	378
Copepods	318
Corals	364
Corey, Elias J.	262
Corn	93
Corneal transplants	207
Corneas	207
Cosmic Background Explorer	301
Cosmic dust	20, 182
Cosmic radiation	301
Costa Rica	111
Costa, George	309
Crane, Kathleen	103
Cranswick, Edward	398
Craters, impact	133, 319
Crawford, Frank S.	319
Criminals	293
Cross, Fredrick T.	260
Cross, Wendall H.	219
Crotalidae	361
Crovisier, Jacques	286
Crowder, Robert G.	36, 312
Crum, Lawrence A.	341
Cruz, Angela	292
Crying, infants	229
Cryopreservation	263
Crystals	47, 116, 134, 276, 382, 390
Culver, Kenneth W.	180
Cummins, Herman Z.	47
Curling, Carl A.	260
Curry, Joseph R.	380
Currie, Philip J.	212
Cuttillo, Brian	297
Cutting, Gordon	356
Cutler, Garry R.	52, 245
Cuzzi, Jeffrey N.	69
Cyprus	359
Cystic fibrosis	23, 143, 324
Cystic fibrosis, genetics	8, 52, 181, 245

D

Dark matter	20
Darling, R. Clement	293
Davidson, Arthur F.	372
Davies, Terry	283
Davis, Maradee A.	267
Davis, Margaret B.	186
Dawson, Geraldine	318
de Castro, John M.	95
De Kepper, Patrick	88
De Meyts, Pierre	20
Dean, Michael	245
DeCosse, Jerome J.	69
Deep Thought	327
Deforestation	40
Delinquency	84
DeLong, Mahlon R.	182
DeLucia, Evan H.	93
Dempewolf, Paul	143
Dendrites	47
Denneau, M.M. (Monty)	222



Joseph, Esmond W. 143
 Jupiter 255
 Jurmain, Robert D. 107
 Juskevich, Judith C. 116

K

K-T extinctions 133, 319
 Kagan, Jerome 262
 Kalter, Robert J. 116
 Kanamori, Hiroo 342, 380
 Kane, Frank 4
 Kane, John P. 389
 Kangas, Patrick C. 187
 Karas, Michael 217
 Karentz, Deneb 87
 Katan, Martijn B. 126
 Kazimi, A.J. 361
 Kear, Bernard H. 333
 Keck Telescope 348, 359
 Keegan, Sarah 102
 Keene, Harvey W. 214
 Kelley, Linda 392
 Kendall, Henry W. 263
 Kessler, Donald J. 29
 Keystone guild 390
 Khalil, M.A.K. 261
 Kihlstrom, John F. 313
 Kilgore, Lynn 107
 Kim, Young H. 300
 Kimbel, William H. 233
 Kinesin 326
 King, Andrea Laws 376
 Kinsey, Don W. 367
 Kirschstein, Ruth L. 180
 Kissileff, Harry R. 138
 Klainer, Albert S. 103
 Klatsky, Arthur L. 220, 253
 Knauss, John 310
 Knoll, Joan H.M. 10
 Knot theory 119
 Kolenbrander, Kirk D. 279
 Kolvoord, Robert A. 31
 Kopchick, John J. 20
 Kossovsky, Nir 390
 Krättschmer, Wolfgang 357
 Krauss, Lawrence M. 358
 Kremen, Claire 70
 Kress, Stephen W. 136
 Kreutter, David 251
 Krusch, Alan D. 278
 Kroto, Harold W. 357
 Krueger, Arlin J. 198, 228
 Kruger, Michael B. 85
 Kuhn, Steven L. 235
 Kupfer, Carl 330
 Kurlan, Roger M. 42
 Kuykendall, David H. 278
 Kyle, John W. 123

L

La Niña 132
 Lacin, Andrew A. 118
 Lahav, Meir 116
 Lakes, boreal 326
 Lalande, Marc 10
 Lancaster, Nicholas 268
 Lande, Kenneth 358
 Landfills 218, 324, 347
 Landreth, Robert E. 223
 Lane, Clifford H. 103
 Langford, Herbert G. 189
 Language 54, 134, 342
 Laser cooling 215
 Lasers 196, 207, 330
 Lash, Jonathan 283
 Latham, John 217
 Lauer, Ronald M. 389
 Lavie, David 57
 Lavigne, David M. 84
 Lawandy, Nabil M. 196
 Lawrence Livermore National
 Laboratory 71
 Le, Jian 297
 Lead contamination 86
 Lebkuecher, Jefferson G. 93
 Lecithin 340
 Lehn, Jean-Marie 55
 Leiserowitz, Leslie 116
 Leishmania mexicana 135
 Lenoir, William B. 11
 Lenstra, Arjen K. 90
 LEP particle accelerator 204
 Leptodactylus ocellatus 93

Leptons 204
 Leung, K. Ming 197
 Levy, David 327
 Lewis, Randolph V. 214
 Libbrecht, Kenneth G. 7
 Lie, J.E. 62
 Lieber, Charles S. 326, 340
 Liller, William 236
 Linde, Alan T. 374
 Lipoproteins,
 high-density 126, 191
 Lippi, Janine 376
 Liquids 5, 87, 342
 Lisowski, Mike 342
 Lithosphere 191
 Little, Todd D. 212
 Lively, Curt M. 201
 Liver failure 38
 Livingstone, Margaret 196
 Lobel, Marci 102
 Loihi seamount 398
 Loma Prieta earthquake 342, 374
 Lomax, Peter 229
 Long-Duration Exposure
 Facility 276
 López, Ivan 364
 Loux, Robert R. 55
 Lovegrove, William 196
 Lu, Ying 111
 Luetchita, Baerbel K. 62
 Luetscher, John A. 247
 Lumelsky, Vladimir 58
 Lyme disease 261
 Lynch, Michael P. 46
 Lyne, Andrew G. 262

M

Maciag, Thomas 198
 Mackay, Alan L. 238
 Mackinn, Michael L. 141
 MacMahon, James A. 186
 Macular degeneration 207
 Madansky, Deborah 87
 Madar, Zecharia 109
 Magellan mission 100, 117, 135,
 181, 199, 340, 382
 Magnesium, dietary 189
 Magnetic fields 31, 133, 267
 Magnetic resonance
 imaging 244, 297
 Magnetosomes 382
 Mahajan, Kushal K. 31
 Maheshwari, Radha K. 311
 Malasaura 270
 Malahof, Alexander 398
 Malaria 70, 311
 Malayan, Samuel A. 189
 Maliga, Pal 295
 Malkin, David 342
 Malter, Henry E. 377
 Mamin, H. Jonathon 310
 Man-Ying Chan, Marion 135
 Manasse, Mark S. 90
 Mandich, Mary L. 279
 Manning, Carol A. 189
 Marcotte, William 86
 Marfan's syndrome 79
 Marriage 267
 Marriott, Bernadette M. 281
 Mars 31, 62, 268, 286
 Mars Observer 31
 Marten, Gerald G. 318
 Martin, Greg 85
 Martin, Larry D. 247
 Martin, Lawrence 245
 Martorell, Jordi 196
 Mass spectrometry 217
 Mast, Terry 349
 Materials design 333
 Materials processing 143, 181
 Mathematics 119, 375
 Mathematics, proofs 389
 Mathews, W. Rodney 344
 Matsuda, Shin-Pei 238
 Matthews, Karen A. 12
 Maya civilization 235
 Mayr, Hans G. 31
 McAllister, Martin 392
 McAteer, Davitt 4
 McCarthy, John 90
 McCauley, James W. 181
 McClellan, James H. 222
 McClintock, James B. 69
 McClure, Robert D. 133

McFadden, Lucy A. 286
 McGrath, Michael 104
 McHone, John 319
 McKechnie, T. Stewart 335
 McKenzie, Judith A. 367
 McKusick, Victor 123
 McLaren, Alfred 46
 McMenamin, Mark 121
 McMurry, John 397
 McNeff, Jules G. 358
 McNutt, Marcia K. 103
 Meade, Dale M. 230
 Meat 374
 Medwin, Herman 341
 Melanoma 68
 Melcher, James R. 143
 Melis, Anastasios 246
 Mellosh, Jay 133
 Melton, Douglas A. 71
 Memory 36, 189, 312, 375
 Mendenhall, Marcus H. 276
 Menopause 12, 229, 263
 Mensink, Ronald P. 126
 Mental retardation 70
 Mercury (element) 244
 Merikangas, Kathleen R. 197
 Merikle, Phillip M. 124
 Meruelo, Daniel 57
 Merwe, N.J. van der 119
 Metabolism 138
 Metals production 79
 Metcalf, Harold J. 215
 Methyl jasmonate 408
 Metzger, Henry 341
 Meyer, J-Uwe 233
 Mezger, Peter G.T. 7
 Mice 123
 Microgravity 134
 Microtubules 135, 326
 Migraine headaches 197
 Mikulski, Barbara A. 180
 Milhous, William K. 311
 Milk 116, 372
 Milky Way Galaxy 20, 182, 310
 Miller, Jeffrey D. 109
 Miller, Joel S. 22
 Miller, Paula F. 326
 Miller, Timothy M. 299
 Miller, Wade E. 212
 Miller, Wayne C. 238
 Minckley, W.L. 213
 Minerals, dietary 95
 Mirrors, telescopes 39, 54, 220,
 276, 335, 348, 359
 Mitchell, David L. 87
 Mitochondrial DNA 68
 Mitter, Charles 201
 Molecular electronics 22
 Molecular motors 326
 Molecules, synthetic 55
 Molnar, Peter 25
 Monath, Thomas 309
 Monkeys 281, 380
 Morbeck, Mary Ellen 106
 Mori, Shigeo 119
 Morphogens 15
 Mosquitoes 70, 309, 318
 Moths, gypsy 77
 Mount Rushmore 319
 Movement disorders 182
 Moy, Claudia Scala 61
 Moyle, Peter B. 213
 Mt. Graham 7
 Mucopolysaccharidosis 123
 Muir, John 264
 Mullen, Kevin D. 38
 Mulligan, Richard C. 68
 Munholland, Patricia L. 93
 Muñoz, Beatriz 215
 Murray, Joseph E. 231
 Muscatine, Leonard 365
 Muse, Ken N. 263
 Music perception 46, 343
 Mutter, John 62
 Myers, David 37
 Myers, Judith H. 410

N

Nadler, Jerry 189
 Nanophase materials 333
 Nanopoulos, Dimitri V. 230
 NASA 4, 11, 39, 53, 54,
 102, 220, 359, 378, 398
 Nash, Theodore E. 77

National Acid Precipitation
 Assessment Program 277
 National Health and Nutrition
 Examination Survey 95
 National Institute of Standards
 and Technology 379
 National Institutes
 of Health 180, 378
 National Research Council 55
 National Science Foundation 378
 Naylor, Adel M. 300
 Neanderthals 235
 Nebel, Laslo 263
 Nebulas 12
 Neenan, Thomas X. 299
 Negative pressure 87
 Nelson, Jerry 349
 Neolithic 236
 Nervous system 95, 100
 Neumann, Peter G. 373
 Neurofibromatosis 61, 101
 Neurons 95, 100, 165, 182
 Neurotransmitters 165
 Neutrinos 141, 204, 358
 Neutron stars 246, 262
 Neutrophils 23
 New Madrid fault zone 380
 New Technology Telescope 310
 Newkome, George R. 299
 Newman, Joseph P. 84
 Newman, Paul 228
 Ng, Valerie L. 104
 Niacin 95
 Nicholls, Robert D. 10
 Nicotine 220, 326
 Nishenko, Stuart P. 183, 398
 Nitrogen oxides 5, 28
 Nitrogen pollution 28
 Nobel Prizes 231, 262, 263
 Noble, James J. 218
 Norepinephrine 100
 Norman, Colin A. 133
 North, Carol S. 85
 Nottebohm, Fernando 182
 NSFNET 90
 Nuclear defense facilities 39
 Nuclear reactors, accidents 132
 Nuclear Regulatory
 Commission 55
 Nuclear waste 36, 54, 293
 Nuclear weapons 70
 Nuclei, superdeformed 53
 Nucleosides 390
 Number theory 119, 222
 Nurre, Gerald S. 295

O

Ober, Christopher K. 396
 Obesity 138, 238
 Obrepalska-Bielska, Barbara 294
 Observatories 236
 Obsessive-compulsive
 disorder 44
 Ocean Drilling Program 367
 Ocean floor 36
 Ocean floor vents 46
 Ocean temperatures 364
 Oceans, acoustics 341
 Oceans, atmosphere 388
 Oceans, sea levels 367
 Odlyzko, Andrew M. 90
 Oil drilling 47
 Okahata, Yoshio 79
 Okano, Ken 197
 Oldfield, Edward H. 182
 Oleic acid 126
 Oligosaccharides 409
 Olivier, Jean 4
 Olshansky, S. Jay 301
 Olson, Peter 351
 Oncogenes 342
 O'Neill, Larry 116
 Opioids 229, 301
 Optical matter 101
 Optical tweezers 326
 Optics 335
 Orion Nebula 253
 Orozco, Sara 95
 Osantowski, John F. 276
 Osteoporosis 22, 107,
 253, 279, 286
 Ostriker, Jeremiah P. 20
 Ostrom, John H. 253
 Ouabain 344

Oxygen 347
 Ozone, smog 5, 277
 Ozone, stratospheric 6, 198,
 228, 261
 Ozone holes 87, 198, 228

P

Pääbo, Svante 68
 Packard, Richard E. 118
 Paige, David A. 286
 Pain 326
 Paine, Thomas O. 398
 Paint 28, 143, 168, 244
 Paintings 28, 168
 Palaszewski, Bryan 71
 Palmer-Julson, Amanda 367
 Palmisano, Anna 324
 Pancreatic islets 191
 Parasites 77, 200, 270, 292, 410
 Parham, Peter 357
 Parikh, Ajay M. 100
 Park, Robert L. 378
 Parker, Frank L. 55
 Parker, Jennifer D. 75
 Parker, Richard G. 380
 Parkfield, Calif. fault 217
 Parkinson, Bruce 276
 Parkinson's disease 182
 Parrish, Stephen 396
 Parsons, David J. 264
 Particle accelerators 204, 278
 Particle physics 204
 Particles, subatomic 204
 Pathogens 77
 Patton, John C. 119
 Pauls, David L. 43
 Pearman, Peter B. 70
 Peel, John S. 123
 Pekala, Rick W. 316
 Peltzer, Gilles 26
 Penner, Joyce 118
 Peptides 310
 Persuasion 77
 Pesticides 86, 347
 PET scans 117, 134
 Petersen, Steven 134, 297
 Petroleum 380
 Phillips, Roger J. 382
 Phillips, Tom L. 184
 Photonics 143
 Photons 196
 Photoperesis 103
 Photosynthesis 85, 111, 246
 Physics, high-pressure 85
 Phytoliths 245
 Pi-Sunyer, F. Xavier 138
 Pickover, Clifford A. 329
 Picornaviruses 56
 Plettner, Serge 15
 Pigments 28, 168
 Pike, John E. 53
 Pilbeam, David 311
 Pine, David J. 295
 Pinneo, Michael 37
 Pioneer Venus mission 382
 Piperno, Dolores R. 245
 Plankton 69
 Plant chemistry 15
 Plant communication 410
 Plant defenses 93, 408, 410
 Plants 85, 86, 111, 295
 Plants, evolution 200
 Plants, flowering 111
 Plants, medicinal 280
 Plate tectonics 24, 62,
 347, 351, 382
 Platts-Mills, Thomas A.E. 109
 Pneumocystis carinii 141
 Pocco, John F. 316
 Pohland, Frederick G. 219
 Pollak, Raymond 294
 Pollution 5, 28, 62,
 86, 260, 277
 Polycyclic aromatic
 hydrocarbons 28, 247
 Polymers 143, 298, 333
 Pomerance, Rafe 310
 Population 47
 Porte, Daniel, Jr. 251
 Posselt, Andrew M. 191
 Prader-Willi syndrome 10
 Pratt, Lawrence R. 5
 Pregnancy 54, 75, 102, 263
 Premenstrual syndrome 37, 263

Prescott, Charles Y. 278
 Press, William H. 358
 Price, Charles R. 53
 Prime numbers 223
 Prior, Jerlynn C. 279
 Prockop, Darwin J. 293
 Proconsul 380
 Progesterone 37, 263, 279
 Prongay, Andrew 57
 Prostitutes 380
 Protease inhibitors 95
 Proteinase inhibitors 408
 Proteins 217, 390
 Proterozoic rocks 347
 Proto-daphniphylline 15
 Protons 38, 278
 Pryor, William A. 28, 308
 Psoralen 103
 Pulsars 28, 262
 Purgue, Alejandro 93
 Pyeritz, Reed 79
 Pyne, Stephen J. 265

Q

Qian, X.W. (Chester) 47
 Quantum chromodynamics 278
 Quantum mechanics 118, 196, 213
 Quarks 204, 263
 Quasars 372
 Quasi-Biennial Oscillation 228
 Quasicrystals 101
 Quatrano, Ralph 86

R

Rabbits 294
 Radar 62, 199
 Radiation 276
 Radiation, interstellar 247
 Radke-Yarrow, Marian 124
 Radon 260
 Raindrops 341
 Raine, Adrian 293
 Raitt, Russell W. 380
 Rank, David 349
 Rao, Cheng-gang 246
 Rasmussen, R.A. 261
 Rathje, William L. 324
 Rats 390
 Raub, William F. 180
 Raven, Peter H. 201
 Reading 54, 196
 Reasoner, David 267
 Rebut, Paul-Henri 230
 Redox reactions 390
 Reefs 364, 367
 Refraction 236
 Reid, Robert L. 263
 Reilly, William K. 283
 Reimer, G. Michael 231
 Reinhard, Karl J. 270
 Relativity theory 183
 Repp, Bruno H. 343
 Research, funding 378
 Respiratory disorders 95
 Retinas 330
 Retinoids 15
 Rhinoviruses 141
 Rhoades, David E. 409
 Ribozymes 390
 Rice 143
 Rice, William G. 23
 Richardson, Teri M. 212
 Rickels, Karl 37
 Rifkin, Jeremy 23
 Rifts 103
 Riggs, B. Lawrence 22
 Risk Assessment and Management Commission 277
 Rissler, Paul 187
 Ritvo, Edward R. 391
 River blindness 215
 RNA 390
 Roberts, Jay 100
 Roberts, John W. 86
 Robertson, Mary M. 43
 Robots 58
 Rock fractures 319
 Rockets 71
 Rodenburg, Eric 40
 Roderick, Tom 122
 Rodriguez, Eloy 280
 Roedcker, S.W. 380
 Roediger, Henry L. 313

Roeloffs, Evelyn A. 217
 Roine, Risto 326
 Rosa, Michael R. 310
 Rosado-May, Francisco J. 93
 Rosenberg, Steven A. 68, 388
 Rosenfeld, Arthur H. 5
 Ross, Robin 87
 Rossmann, Michael 56
 Rowan-Robinson, Michael 182
 Rowland, F. Sherwood 261
 Roy, Rustum 72
 Royce, Rachel 15
 Royden, Leigh 191
 Rozycki, Danuta L. 333
 Rubin, Emmanuel 340
 Rudd, Richard P. 111
 Rudman, Daniel 23
 Rugar, Dan 310
 Russell, Findlay E. 360
 Ryan, Clarence A. 408
 Ryan, Dave 4
 Ryan, Kevin C. 265

S

Sacco, Albert, Jr. 382
 Sacks, Oliver W. 43
 Sakai, Lynn Y. 79
 Salbutamol 373
 Saldin, Dilano K. 134
 Salmon, Lynn G. 28
Salmonella enteritidis 109
 Samuels, Philip 54
 San Andreas fault 342, 374
 San Francisco earthquake 342
 Sand dunes 268
 Sandel, Bill R. 248
 Sandeman, Ian 365
 Sansalone, Mary 397
 Satellites 358
 Satellites, weather 102
 Saturn 31, 69, 228, 325
 Sauer, Mark V. 263
 Saunders, R. Stephen 117, 199
 Savage, James 374
 Scanning electron microscopes 393
 Scanning tunneling microscope 276, 310
 Scargle, Jeffrey D. 69
 Scarpace, Phillip J. 100
 Schacter, Daniel L. 313
 Schad, Gerhard A. 200
 Schaefer, Bradley E. 236
 Scheetz, Rodney D. 212
 Schelbel, Arnold B. 233
 Scherr, S. Jacob 6
 Schindler, David W. 326
 Schizophrenia 117
 Schliwa, Manfred 326
 Schmitz, Oswald J. 84
 Schoenberg, Janet B. 260
 Schoenthaler, Stephen 85
 correction 139
 Schrödinger equation 213
 Schull, William J. 70
 Schultz, Jack C. 410
 Schumm, Jeffrey S. 22
 Schwartz, David P. 398
 Schwartz, Joel 95
 Schweig, Eugene S. 380
 Science education 396
 Scorpions 361
 Scrimshaw, Susan 102
 Seabirds 136
 Seals 84
 Seamounts 398
 Sears, Malcolm R. 373
 Sebes, Jenó I. 244
 Sediments 380, 392
 Segall, Paul 342
 Seifu, Mohamedi 280
 Seismic reflection profiling 62, 347
 Seismic waves 380
 Seismographs 398
 Seismosaurus 255
 Sekar, Raj 325
 Sellers, Thomas A. 109
 Semiconductors 279
 Serlemitsos, Peter J. 372
 Serotonin 42
 Sex differentiation 61
 Sex selection 280

Sexual behavior 380
 Shaham, Jacob 262
 Sharpey-Schafer, John F. 53
 Shear, William A. 292
 Sheffer, Albert L. 373
 Sheps, Davis S. 326
 Sherwood, Jeff 379
 Shomer, Ilan 109
 Showalter, Mark 31, 69
 SHS synthesis 181
 Shulman, Lawrence E. 357
 Shumway, Earl 393
 Shyness 262
 Siegel, Judith M. 278
 Sierra Nevada 380
 Sigstedt, Shawn V. 282
 Silk 214
 Silver, Paul G. 374
 Simmons, Alan H. 359
 Simons, Elwyn L. 21
 Sims, Ethan A.H. 138
 Sinclair, Andrew H. 61
 Singer, J.R. 47
 Singh, Karna D. 40
 Sivapithecus 311
 Skeletons 120
 Sleep 87
 Sly, William S. 123
 Smart materials 143
 Smell 79
 Smith, Alan E. 324
 Smith, B. Holly 21
 Smith, Barbara A. 229
 Smith, Christopher C. 187
 Smith, Gerald M. 359
 Smith, J. Cecil 282
 Smith, Jack C. 71
 Smith, Linda 253
 Smith, Matt B. 31
 Smith, M.H. 217
 Smith, Richard J. 6
 Smith, Samuel 286
 Smoking 15, 61, 109, 220, 326
 Smoking, passive 4
 Smoot, George F. 301
 Snails 201
 Snakebite 360
 Snyder, James P. 56
 Social development, children 212
 Soderblom, Laurence 302
 Soil 282, 388, 392
 Sokol, Sergei 71
 Solar cycle 7, 28, 358
 Solar radiation 167
 Solar vibrations 7
 Solar wind 255
 Solids 342
 Solids, surface of 134
 Solvents 5, 116
 Souers, P. Clark 71
 Soybean extracts 340
 Space biology 134
 Space debris 29
 Space science 398
 Space shuttle 11, 39
 Space Station Freedom 29, 379
 Space stations 29, 53, 379, 398
 Spear, Anthony J. 100, 135
 Spear, Michael J. 7
 Specialty Metals Processing Consortium 79
 Species diversity 93, 111, 200, 213
 Spectra 53
 Spectroscopy 134
 Sperm 376
 Spiders 214, 292, 361
 Spondyloarthropathies 357
 Sports injuries 267
 Squire, Larry R. 313
 Squirrels 7
 Squires, Steven W. 62
 Stanew, Todór 358
 Stanford Linear Collider 205
 Stanworth, Denis R. 341
 Stark, Walter J. 207
 Stars, binary systems 141, 262
 Stecher, Theodore P. 372
 Steinberg, Daniel 308
 Stellar evolution 253, 262
 Stellar winds 253
 Stephaek-Nielsen, Hans C. 267
 Stephen, Alison M. 238
 Stephens, Frank S. 53
 Stillinger, Frank H. 5
 Stillman, Robert J. 376

Stiner, Mary 235
 Stoecker, Diane K. 69
 Strategic Defense Initiative 379
 Stress 102
 Strick, Peter L. 182
 String theories 119, 230
 Strominger, Jack 357
 Subliminal messages 124
 Sufilita, Joseph M. 324
 Sugar 84, 229
 Suicide 189, 301
 Sulfates 324
 Sullivan, John B., Jr. 362
 Sumner, Dale R. 107
 Sun 28, 141, 255
 Sunspots 28, 358
 Supercomputers 222
 Superconducting Super Collider 206, 379
 Superconductors 238
 Superfluids 118
 Superfund 379
 Supernovas 133
 Superstring theories 230
 Supersymmetry 206
 Sutherland, Struan K. 360
 Sutherland, Stuart 55
 Suzuki, Atsushi 143
 Svab, Zora 295
 Sweeteners 84
 Sweetnam, Thomas W. 132
 Swinney, Harry L. 88
 Sykes, Lynn 52
 Symbiosis 69
 Szalay, Alexander, S. 260

T

T cells 388
 Takahashi, Kozo 231
 Tammann, Gustav A. 133
 Tanaka, Toyochi 143
 Tannic acid 109
 Tans, Pieter 118, 388
 Taponnier, Paul 24
 Taste 79
 Taurag, Joel D. 357
 Taylor, Richard E. 263
 Teaford, Mark 245
 Telescopes 7, 29, 309, 335, 348, 356
 Television 333
 Telzak, Edward E. 109
 Terbutaline 373
 Terman, Lewis 212
 Tesh, Robert B. 318
 Testis-determining factor 61
 Thaller, Christina 15
 Thalley, Bruce S. 362
 Theakston, David 360
 Thom, Alexander 236
 Thomas, Donald M. 231
 Thomas, E. Donnall 231
 Thomas, Jim 39
 Thompson, Keith P. 207
 Thompson, Robert C. 23
 Thompson, Thomas W. 117, 135
 Thompson, W. Reid 62
 Thomson, Donald M. 312
 Thomson, John 316
 Three Mile Island 132
 Thurston, William P. 329
 Thymus gland 191
 Thyroid 39
 Tibet 29
 Till, John E. 39
 Titan 62
 Tivey, Margaret K. 46
 Tobias, Sheila 396
 Tokamaks 230
 Tomalia, Donald A. 298
 Tomlinson-Keasey, Carol 212
 Tonry, John L. 309
 Topology 119
 Torcolini, Robert J. 79
 Total Ozone Mapping Spectrometer 198
 Tour, James M. 22
 Tourette's syndrome 42
 Towe, Kenneth M. 121, 347
 Toxic substances 28, 168, 244
 Transplants 191
 Tree ring analysis 126
 Trees 5
 Triceratops 255

Trifluralin 135
 Tropical forests 40
 Trounson, Alan 376
 Trumble, Terry M. 276
 Tryka, Kimberly A. 302
 Tsui, Lap-Chee 52
 Tubulin 135
 Tucker, Shirley C. 111
 Tulving, Endel 313
 Tungsten carbide 333
 Turbulence, atmospheric 335
 Turing structures 88
 Turro, Nicholas 300
 Type A behavior 12
Tyrannosaurus rex 31, 268

U

Ultraviolet radiation 87
 Ulysses mission 39, 255
 Unconscious influences 312
 Underwood, Stephen 265
 Unified field theory 230
 Uniparental disomy 8
 Universe 301
 Uranus 248
 U.S. Geological Survey 52
 U.S. space program 398
 Uson, Juan M. 301
 Uterus 263

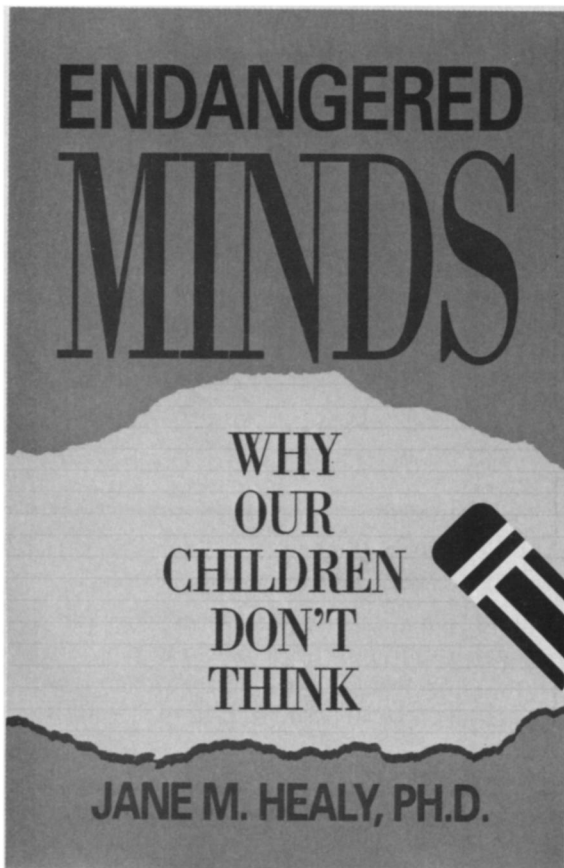
V

Vaccines 261, 292, 341, 390
 Valentijn, Edwin A. 20
 van Hemmen, J.J. 347
 Van Valen, Leigh 200
 Van Voorhis, Bradley J. 286
 Van Wagtenonk, Jan W. 265
 Vance, Mary Lee 23
 VanTalle, Theodore B. 138
 Vegetation 388
 Venables, John D. 74
 Venom 360
 Venus 100, 117, 135, 181, 199, 340, 382
 Vermeer, Donald E. 282
 Vermelij, Geerat 120
 Vidaud, D. 10
 Vietnam veterans 103
 Viking mission 62, 268
 Vilas, Faith 29
 Viruses 309, 311
 Vision 207
 Viskochil, David 101
 Vivesvara, Govinda S. 318
 Vitamin C 95
 Vitamin E 333
 Vitamins 143
 Vogel, J.C. 119
 Vögtle, Fritz 299
 Volcanoes 398
 Volcanoes, Mars 62
 Voyager missions 31, 69, 111, 248, 302
 Vrba, Elizabeth S. 233

W

Wadden, Thomas A. 138
 Wadhams, Peter 46
 Wagener, Diane K. 235
 Wagner, Michael 15
 Wald, Nicholas J. 238
 Walker, Joanna M. 356
 Wallace, Douglas C. 68
 Walsh, Denis M. 270
 Wampler, Joseph 349
 Ward, Carol V. 380
 Wasatch fault zone 398
 Washino, Robert K. 70
 Wasps 410
 Waste disposal 218
 Waste Isolation Pilot Plant 293
 Watkins, Brynmor A. 95
 Watson, Maxine A. 111
 Watts, Nelson 22
 Wdowiak, Thomas J. 247
 Webb, Ralph E. 77
 Webb, Thompson, III 184
 Webster, Owen 300
 Weeds 93
 Weiler, Edward 21, 39
 Weinberg, Robert 101
 Weiner, Howard L. 294

Weinreb, Robert N. 330	White, Warren H. 62	Williams, Paul T. 191	Woodard, Martin F. 7	Yosemite National Park 264
Weisburger, John 374	White dwarf stars 141	Williams, Peter 217	Wrangham, Richard W. 280	Young, Douglas A. 251
Weiss, Gabrielle 325	Whitehouse, Kevin 314	Willmitzer, Lothar 409	Wright, David H. 47	Younis, Saed G. 222
Weiss, Kevin B. 235	Whitley, Chester B. 123	Wilson, D. Scott 380	Wu, Ruilian 22	Yunck, Thomas P. 358
Weiss, Ray F. 103	Whitman, Douglas J. 410	Wilson, Darrell M. 247	Wyshak, Grace 286	Yunis, Adel A. 199
Weiss, Robert 101	Whitmarsh, John 246	Wilson, James M. 181, 294		Yusef-Zadeh, Farhad. 254
Weiss, Scott T. 95	Whitten, Gary Z. 5	Wilson, Robert M. 28		
Weiss, Stephen J. 23	Whittington, Harry 120	Wing, Scott L. 184	X	Z
Weich, Jack 349	Wicklund, Robert I. 365	Winkelstein, Warren 15	X-ray diffraction 181	Z particles 204
Weller, Robert A. 276	Wieman, Carl 215	Winner, Daniel 132	X-ray sources 246	Zajonc, Robert 234
Welsh, Michael J. 181	Wigler, Michael 101	Winterbottom, Robert 40	Xu, Ming 214	Zametkin, Alan J. 325
Wendroff, Arnold P. 244	Wilderness 264	Witten, Edward 119		Zegers, David A. 187
Wentorf, Robert H., Jr. 72	Wildfires 132, 264	Wöhler, Friedrich 298	Y	Zeolites 382
Wescott, Eugene M. 267	Wildlife management 136	Woldow, Asher 100	Yablonovitch, Eli 197	Zidovudine 15
Westphal, Edward 21	Wiley, Jennifer 124	Women 180, 389	Yamazaki, James N. 70	Zieve, Leslie 38
Westphal, James 4, 325	Willett, Walter 253, 374	Wong, Gordon G. 71	Yanagawa, Hiroshi 390	Zihlman, Adrienne 106, 234
Wetherbee, Winthrop 396	Williams, David A. 220	Wong, Joe 181	Yarchoan, Robert 104	Zinc 263
Whales 21	Williams, Ernest H. 364	Wood, Byron L. 70	Yau, Terrence 333	Zinser, Gerhard 331
White, Raymond L. 61, 101	Williams, Jack E. 213	Wood, H. John 295	Yee, Albert 333	Zweig, George 263
White, Tim D. 233	Williams, Mary C. 196	Wood, J. Scott 393		



Simon and Schuster; 1990, 382 pages, 6½" x 9½", hardcover, \$22.95

Drawing on recent research in the neuropsychology of learning as well as her own extensive experience in the classroom, Jane M. Healy states that the basic intelligence of our children is not at issue. Instead, she explains how the electronic media, fast-paced life-styles, unstable family patterns, environmental hazards and current educational practices may influence not only the way our children think, but also the brain's actual physical structure. These changing brains also imply fundamental differences in the way students process information, accounting for decreased attention spans, increased "learning disabilities," and a literacy crisis that has far-reaching implications for future generations. Healy explodes many myths, including: that watching *Sesame Street* helps kids learn to read; that daycare programs necessarily give children a head start in school; that competency exams are either reliable or have a positive effect on learning; that all "disadvantaged" brains are found in poor neighborhoods.

Calling for bold reform in the classroom, she offers parents and teachers concrete advice on what they can do to help improve children's learning skills now and for the future. Disturbing and provocative, *Endangered Minds* is a vitally important book that is certain to spark further debate about educational reform.

— from the publisher

<p>Science News Books 1719 N Street, NW, Washington, DC 20036</p> <p>Please send _____ copy(ies) of <i>Endangered Minds</i>. I include a check payable to Science News Books for \$22.95 plus \$2.00 postage and handling (total \$24.95) for each copy. Domestic orders only.</p> <p>Name _____</p> <p>Address _____</p> <p>City _____</p> <p>State _____ Zip _____</p> <p>Daytime Phone (_____) _____</p> <p style="text-align: right;">(used only for problems with order)</p>	<p>EndanMinds</p> <p>RB1364</p>
---	---------------------------------