

SCIENCE NEWS LETTER INDEX

Vol. 85, Nos. 1-26, Jan.-June, 1964, pp. 1-416

SCIENCE SERVICE, WASHINGTON, D. C. 20036

Errata, where necessary, are given under the subject head.

- AAAS 3, 19
 AMA, Smoking 211
 AOSO satellite 185
 Accelerator core 389
 Accelerometer 69
 Accidents 262, 343, 416
 Adair, Robert K. 261
 Adams, Forrest H. 231
 Adams, William M. 29
 Addiction vs. habit 50
 Addicts, Legal pressure 73
 Adey, W. Ross 100, 245
 Adhesive, Laminates 53
 Adner, N. N. 260
 Adolescents 141
 Advertising bul. board 112
 Aeron dirigible 117
 Afghanistan cave 88
 African art 373
 African educators 94
 Aging 132, 368
 Aggression 386
 Agriculture, Modern 72
 Aibinder, A. M. 95
 Aidem, Howard P. 48
 Air conditioners 142, 238
 Air-cushioned ride 81, 91
 Air magnet 352
 Air moisture 360
 Air turbulence 153
 Aircraft brake 217
 Airplane accidents 152
 Airship, Rigid 117
 Ajl, Samuel J. 132
 Akutsu, T. 114
 Albrecht, R. E. 325, 326
 Album pages, Gummed 416
 Alcohol aversion 233
 Alcohol and sedative 57
 Alcoholism 168, 402
 Aldott, S. A. 135
 Alfieri, Giuseppe 286
 Allen, H. Julian 115
 Allergy, Footwear 105
 Alligators 296
 Allipreening 40
 Alloi, Donald 126
 Alumina abrasive spray 320
 Aluminat 181
 Aluminum, Aphids 409
 Aluminum shutters 240
 Alvord, Ellsworth C. Jr. 67
 Ambrus, Julian L. 329
 Ampicillin 160
 Anchor lock 320
 Andelman, S. L. 192, 384
 Anders, Edward 291
 Anderson, A. E. Jr. 368
 Anderson, Kenneth N. 160
 Anderson, Kinsey A. 179
 Andrews, Christopher 290
 Andrews, M. C. G. 120
 Anechoic chamber 305, 312
 Anemia, Medit. 41
 Anemone 186
 Angel, Jesus 278
 Angina pectoris 57
 Angino, Ernest E. 118
 Animals, Trained 101
 Anna satellite 253
 Ansell, W. H. F. 386
 Ant lion 287
 Antarctica, Salt lakes 118
 Antelope headpiece 373
 Antenna control unit 256
 Antibiotic 8, 152
 Anticoagulants 56, 105
 Antiles, Leonard 222
 Antipolpo substance 405
 Anxiety level, High 233
 Apache Indians 11
 Aphids, Repelled 409
 Apollo 211, 328, 338, 341
 Appalachia, Rain 409
 Appendectomies 295
 Aquarium 101
 Archaeology, Submarine 89
 Archibald, Linda 131
 Arctic Ocean 23
 Armstrong, A. F. 57
 Armistead, William H. 84
 Arms race, Ease-up 19
 Armstrong, James G. 134
 Arnold, Leopold 279
 Arnold, James R. 309
 Art, Plastic 412
 Arteries, X-rayed 73
 Arthritis, Knee 48
 Artificial limbs 42
 Artigas, Antonio Tena 279
 Asen, Sam 104
 Ashtray, Obsolete 70
 Asian flu 259
 Assall, Nicholas 24
 Assassination response 27
 Asteroids, Apollo 291
 Asteroids, Named 169
 Asthma 374, 384
 Astronomer S 40
 Astronauts 99, 114, 137, 211, 213, 216, 328, 339, 347
 Astronomy teaching 95
 Asturias, Jose C. 158
 Athletes 197
 Atlas rocket 98, 328
 Atmospheric research 41
 Atmospheric probe 99
 Atom structure 69, 83
 Atomic era, 25 years 85
 Atomic fission 117
 Atomic lighthouse 377
 Atomic particles 84, 179, 329
 Atomic power 178, 233
 Atoms, Man-made 56
 Atomsville, U.S.A. 385, 386
 Auroras 8, 25
 Auto seat, Inflatable 269
 Auto sill shields 160
 Automation 12, 89, 139, 198, 200, 371
 Automaton 170
 Automobile, Gas turbine 219, 228
 Automobile compass 95
 Automobiles 54, 72
 Autopsies 48
 Autoradiography kit 384
 Avery, Mary Ellen 201
 Awards 56, 311, 329
 Azathioprine 16
 Aztec basketball court 312
 BLC 707 358
 Babies 24, 35, 125, 137, 201, 374, 416
 Bacon, Karl W. 13
 Bacteria, Detergents 28
 Bahcall, John N. 195
 Bailey, V. A. 213
 Bain, Robert H. 270
 Baird, Bernard 377
 Baker, David H. 32
 Baker, Lenox D. 48
 Ball lightning 392
 Ballentine, L. Y. 5
 Ballinger, Edwin R. 99
 Ballute 247
 Barber, George A. 53
 Barber, James C. 410
 Barbiturate, Alcohol 57
 Bard, Leslie A. 256
 Bardasano, Jose Luis 278
 Barnacle 9
 Barnes, Broda O. 275
 Barnhart, Robert J. 103
 Barometric pressure 194
 Barr, Joseph S. 192
 Barracudas 111
 Barthol, Richard P. 184
 Bartholomew, G. A. 151
 Bartley, Thomas D. 368
 Barton, George W. Jr. 9
 Bascom, Willard 24
 Bashe, J. Jr. 308
 Bass, George 89
 Bates, Joseph H. 357
 Bathub curve 21
 Battison, Edwin A. 49, 55
 Bauer, Helmut 67
 Baumel, P. 84
 Beacon Explorer 194
 Beal, Charles 127
 Beall, Arthur C. Jr. 43, 144
 Bean, Lowell J. 41
 Bear meat 48
 Beaser, Samuel H. 224
 Beatles, British 141
 Beaudry, John R. 206
 Beck, Carl A. 117
 Bedwetting 307
 Beeman, William D. 25
 Bees, Smoke 137
 Beldler, Lloyd M. 207
 Belgian doctors 258
 Belgian science camp 376
 Bell, Howard H. 198
 Bell, Waldo E. 62
 Bellak, Leopold 240
 Belli, Melvin 375
 Bemelman, W. A. 238
 Bench vise 400
 Benjamen, Harry 85
 Benning, F. M. 261
 Bentley, Charles R. 201
 Benzinger, T. H. 275
 Berenbaum, M. C. 88
 Beresford, Peter A. 29
 Bergen, Richard P. 258
 Berglund, Nevin E. 304
 Bergmann, Peter 297
 Bernstein, Daniel S. 319
 Berries, Poisonous 128
 Berry, Charles A. 347
 Bessis, Marcel C. 281
 Best, Maurice M. 40
 Bierman, Stanley M. 127
 Biggs, Thomas M. 43
 Billedeaux, Zenon D. 179
 Billingham, John B. 114
 Bronchitis 80, 265
 Brown, Detlev W. 292, 360
 Brown, Herman L. 61
 Brown, Hugh O. 110
 Brown, I. N. 88
 Brown, J. Guthrie 390
 Brown, Josiah 153
 Brown, Paul K. 249
 Brown, W. C. 216
 Brown, William C. 13
 Brown creeper 255
 Bruce, C. E. R. 392
 Bruce, William F. 399
 Bruch, Carl W. 185
 Brunner, K. 265
 Buchhold, Theodor 261
 Budget, President's 71
 Buckley, John L. 242
 Buell, D. N. 395
 Buffalo, Manganese 105
 Buildings, Plastic sandwich 410
 Buildings, Earthquake 227
 Bulkeley, John D. 131
 Bullen, K. E. 291
 Bunge, R. P. 67
 Bunk cots 288
 Bunn, Paul A. 8
 Bunting, Mary I. 233
 Burch, P. R. J. 361
 Burns 25, 328
 Burriss, Ruby Joyce 311
 Burros, Harry M. 95
 Burt, Wm. G. Jr. 301
 Bush, Albert F. 136
 Business card file 416
 Butler, Clay P. 38
 CERN 84
 COMARRAY 376
 COSPAR 339
 Cable, Undersea 83
 Calabresi, Paul 23
 Caldes, George 405
 Caldwell, David 84
 Caldwell, Herbert S. Jr. 410
 Calligraphy 9
 Calverley, John R. 32
 Calvin, Melvin 214
 Cameras, Saturn's 98
 Cameron, A. G. W. 39, 360
 Campbell, James B. 341
 Canadian flag 383
 Canal, Central America 75
 Cancer 162, 264, 265, 312
 Cancer, Antibiotic 134
 Cancer, Breast 64, 312
 Cancer Lung 116, 211
 Cancer, Ovarian 277, 336, 361
 Cancer, Smoking 51
 Cancer, Virus 70, 256
 Cancer cause 137
 Cancer diagnosis 5, 259
 Cancer inhibitors 137
 Canned meat 375
 Canning, John R. 109
 Cannon, Willard E. 232
 Cap liner, Protective 95
 Car vacuum cleaner 336
 "Carabao" 91
 Carbon monoxide 14, 62
 Career studies 263
 Carilli, Albert D. 80
 Carlin, Steve 102
 Carlo, Eduardo F. Jr. 297
 Carlton, George 170
 Carpenter, D. L. 313
 Carpeting 280
 Carr, T. D. 290
 Carsten, Mary E. 67
 Cartoon, Computer 287
 Castenholz, Paul 379
 Caster, Kenneth E. 226
 Catch-all chest 256
 Catfish 395
 Cathey, Henry M. 283
 Cattell, Raymond B. 233
 Cattle, Vaccine 232
 Cave crickets 2
 Celebrezze, A. J. 231
 Cell analysis 281
 Cell luminescence 178
 Cellulose, Synthesis 53
 Cement, Instant 48
 Cement, Nylon 308
 Cerebral palsy 341
 Cesarean, Babies 168
 Chair crib 256
 Chamberlain, J. W. 340
 Chaplin, Harvey R. Jr. 399
 Chapman, Frank M. 409
 Charles, Robert M. 39
 Chauncey, Henry 125
 Chemical reactions 23
 Chemical theory 403
 Chen, D. H. 174
 Chesapeake Bridge-Tunnel 218, 224, 270
 Chessick, Richard D. 400
 Chi-zero particle 329
 Chiao, Raymond Y. 355
 Chicago's rivers 306
 Chick incubator 175
 Chickenpox 352
 Chicks, Lonely 41
 Child abuse 304
 Childbirth, Pain 152
 Childhood movies 200
 Children 24, 240, 385, 386
 Chili peppers, Canned 361
 Chimpanzees 191
 Chiu, Hong-ye 39
 Chioromycetin 180
 Cholera epidemic 72
 Cholesterol 277, 304
 Christy, Robert F. 280
 Cigarettes 50, 103, 297, 400
 "Cinemap" 41
 Circle cutter 304
 Civil defense 294, 386
 Clark, Charlie N. 142
 Clark, Joseph S. 246
 Clark, M. S. G. 103
 Classroom, Automated 139
 Clay-eating 233
 Clayton, Donald D. 213
 Cliff swallow 156
 Clifford, Nathan J. 11
 Chip dispenser 48
 Clothing, Cool 238
 Cloth Space engine 392
 Cloud, Rocket-caused 40
 Cloxacillin 8
 Coal-burning 281, 376
 Coal mining 344, 367
 Cobalt dusting 265
 Cochran, Kenneth W. 260
 Cokerell, C. S. 206
 Cockroach 30, 174, 307
 Coedis, American 361
 Cohen, Jerry 269
 Cohen, Marvin L. 296
 Cohen, Paul J. 56
 Cohen, Phil I. 342
 Coiffman, F. 25
 Coin viewer 272
 Colby, Kenneth M. 208
 Cold climate, Man 105
 Cold turkey treatment 102
 Cole, Charles L. 393
 Cole, Jonathan O. 361
 Cole, Warren 64
 Collier, Clifford W. Jr. 88
 Colloid engine 215
 Collum, Theodore J. 206
 Color books 244
 Color engineering 141
 Color vision 101, 249
 Colorado River 181
 Comet Tomita-Gerber-Honda 407
 Commercials, TV 198
 Compact can caddy 175
 Computer soup 169
 Computers 57, 72, 119, 121, 132, 200, 215, 222, 232, 248, 264, 287, 296, 347, 361
 Computers, Medical 126, 208, 342
 Concrete 247, 311
 Cone, C. D. Jr. 135
 Conklin, Lawrence 349
 Connolly, P. L. 147, 329
 Contact lens 312
 Continental slopes 215
 Continents 2, 328

Convection currents	328	Di Marco, A.	134	Exercise	320	Freezing	389	Greenacre, James C.	338
Conway, Herbert	43, 328	Dimitracopoulos, P. C.	171	Exploding stars	60	Frei, Ephraim H.	21	Greene, D.	265
Cook, William E.	110	Disarmament	386	Explosive bonding	378	Freier, Phyllis	15	Greenfield, Harry I.	22
Cooley, William W.	263	Disc degeneration	120	Explorer 16	15, 141	French curve	384	Greep, Roy O.	221
Cooleys' anemia	41, 73	Disease development	120	Explorer 18	194, 195	Freudenstein, F.	296	Griggs, Robert C.	192
Cooper,		Diseases, Mimicked	127	Explorer-19	1, 9	Friedland, Stephen	284	Grissom, Virgil I.	265
L. Gordon	246, 309, 347	Disney, Walt	347, 402	Extension speaker	175	Friedman, H.	99, 120, 191	Gronouski, John A.	12
Cooper, Ralph S.	46	Disposable tray	144	Eye jab	256	Fries, James F.	156	Gross, Paul M.	6
Cope, Oliver B.	13	Distance measuring	286	Eye-glass sweat band	366	Frigate bird	145, 151	Gross, Paul R.	136
Copper, Body cells	54	Diving Saucer	118, 181	Eyesight, Babies	113, 127, 198	Frisch, R.	85	Groupe, Vincent	137
Cordless electric carver	175	Dizard, Jan E.	367	Eyeglass sweat band	366	Fry, Bernard	309	Grover, Robert F.	121
Cornelison, F. S. Jr.	344	Dmochowski, Leon	173	Eyeglass sweat band	366	Fry, Lionel	199	Growth hormone	153
Cornioello, Giuseppe	349	Doctors, Gain	52	Eyeglass sweat band	366	Fry, Lionel	306	Grunert, R. E.	259
Corrosion prevention	104	Dogs	295, 304, 328	Eyeglass sweat band	366	Fuel cell	19, 211, 339	Guantanamo, Water	131
Cosmic rays	15, 217	Dogwood, Flowering	237	Eyeglass sweat band	366	Fuel gauge mirror	144	Guinee, Vincent	149
Cottage cheese	392	Doll, Richard	389	Eyeglass sweat band	366	Fungus, Infections	73	Gulliver, Life detector	106
Cotton boll, Ancient	136	Dollfus, Audouin	339	Eyeglass sweat band	366	Fungus fossils	26	Gullahorn, John T.	347
Cotton plants	206	Dolphins	183	Eyeglass sweat band	366	Furniture antiquing	80	Guns, Children S.	280
Couch, R. B.	128	Dooenbos, Norman J.	277	Eyeglass sweat band	366	Fusion, Controlled	8	Gurvitz, Milton S.	280
Courtship relations	342	Douglass, William O.	310	Eyeglass sweat band	366			Guttacher, Alan F.	350
Cousteau,		Douglass, John J.	378	Eyeglass sweat band	366			Guze, Lucien B.	345
Jacques-Yves	118	Dowell, Alvis Y.	238	Eyeglass sweat band	366			Gyroscope	341
Cowan, George R.	83, 378	Drags, Theodore	104	Eyeglass sweat band	366				
Coy, Stephen L.	377	Drags, Theodore	104	Eyeglass sweat band	366				
Cramer, Lester M.	328	Drags, Theodore	104	Eyeglass sweat band	366				
Crater, Kentucky	214	Drenick, Ernest J.	64	Eyeglass sweat band	366				
Craters, Origin	338	Drinkers, Intemperate	265	Eyeglass sweat band	366				
Crimping tool	256	Drivers	279, 360	Eyeglass sweat band	366				
Cromwell, N. H.	137	Drug addiction	50, 402	Eyeglass sweat band	366				
Cryobiology	389	Drug reaction	127, 336, 384	Eyeglass sweat band	366				
Crystals, VLS-grown	184	Drug-Review panel	231	Eyeglass sweat band	366				
Cueto, Cipriano Jr.	384	Drugs	162, 180, 224, 259, 399, 400	Eyeglass sweat band	366				
Culture, Science	388	Drugs,		Eyeglass sweat band	366				
Curium-244	38	Anti-cancer	23, 134, 162	Eyeglass sweat band	366				
Currie, L.	338	Dryden, Hugh L.	94	Eyeglass sweat band	366				
Cutrona, L. J.	293	DuBridge, Lee A.	360	Eyeglass sweat band	366				
Cutter, General	224	Dundee, Harold	150	Eyeglass sweat band	366				
Cyclophosphamide	88	Dunfee, Louis	88	Eyeglass sweat band	366				
Cygnus X	24	Duquet, Robert	62	Eyeglass sweat band	366				
Cylinder support dolly	112	Durbin, Charles G.	134	Eyeglass sweat band	366				
Cystic fibrosis	185	Dusting machine	119	Eyeglass sweat band	366				
Cytoxan	88	Dynamometer	152	Eyeglass sweat band	366				
Czaja, Julius	110			Eyeglass sweat band	366				
		Ear thermometer	275	Eyeglass sweat band	366				
		Earth's core	291	Eyeglass sweat band	366				
DDT	13, 226, 242, 308, 350, 384	Earth's crust, Oceans	23	Eyeglass sweat band	366				
DNA	2, 6, 89, 134, 214, 365	Earth's heat	111	Eyeglass sweat band	366				
DNA synthesized	275	Earth's particle bands	153	Eyeglass sweat band	366				
DON	264	Earthquakes	227, 293	Eyeglass sweat band	366				
Dack, Gail M.	375	Easter date	122	Eyeglass sweat band	366				
Daddario, Emilio Q.	254	Ebeling, Walter	153	Eyeglass sweat band	366				
Dali, Salvador	402	Eberline, Howard C.	206	Eyeglass sweat band	366				
Dairymple, Willard	297	Echo satellites	94, 98	Eyeglass sweat band	366				
Dalsgaard-Nielsen, T.	391	Eclipse, Total lunar	35, 376	Eyeglass sweat band	366				
Dams	390	Edgerton, Harold A.	87	Eyeglass sweat band	366				
Dandruff, Diet	112	Edmond, J. S. Sr.	61	Eyeglass sweat band	366				
Daniels, Farrington	77	Edson, James B.	338	Eyeglass sweat band	366				
Darison	229	Education	372	Eyeglass sweat band	366				
Darwin, Charles	151	Edward, A. G.	56	Eyeglass sweat band	366				
Dash, William D.	399	Eggs, Vibration-test	114	Eyeglass sweat band	366				
Dashboard device	255	Ehrenstein, M.	231	Eyeglass sweat band	366				
Data center	199	Eiduson, Bernice T.	342	Eyeglass sweat band	366				
Daunomycin	134	Einhorn, Morton	384	Eyeglass sweat band	366				
Davenport, Fred M.	40	Eisenberg, Y.	147	Eyeglass sweat band	366				
Davidson, Henry A.	343	Eisenbud, Merrill	281	Eyeglass sweat band	366				
Davidson, R. S. Jr.	296	Eisenhower, Milton S.	322	Eyeglass sweat band	366				
Davidson, Culver	282	Electric garden lamp	32	Eyeglass sweat band	366				
Dawes, Geoffrey S.	341	Electric mat, Portable	32	Eyeglass sweat band	366				
Dayton, Glenn O. Jr.	416	Electric sprayer	208	Eyeglass sweat band	366				
Deafness	9, 389	Electricity, MHD	390	Eyeglass sweat band	366				
Dean, Donald J.	152	Electricity, Wireless	216	Eyeglass sweat band	366				
Dean, Reginald	125	Delete: some ten miles.		Eyeglass sweat band	366				
deBethune, A. J.	21, 182	Electromagnet	320	Eyeglass sweat band	366				
Deep-sea vehicles	118, 181	Electronic propulsion	247	Eyeglass sweat band	366				
Deer herds, Infected	20	Electronic sniffer	162	Eyeglass sweat band	366				
Defense industry	246	Electrostatic film cleaner	48	Eyeglass sweat band	366				
DeGiusti, Dominic L.	20	Elm, Substitute	57	Eyeglass sweat band	366				
DeGroof, Morton S.	269	Elseroad, David C.	366	Eyeglass sweat band	366				
DeKornfeld, T. J.	152	Elvers, Douglas	293	Eyeglass sweat band	366				
de la Fuente, Aurelio	279	Embossing tapes	80	Eyeglass sweat band	366				
Delevoyas, Theodore	280	Emergency lighting	400	Eyeglass sweat band	366				
Democracy, Offices	185	Emotions, Pent-up	116	Eyeglass sweat band	366				
Dempsey, Dan	375	Empysemata	51, 70, 329, 368	Eyeglass sweat band	366				
Dence, M. R.	338	Enders, John F.	95	Eyeglass sweat band	366				
Densimeter, Deep sea	77	Engel, Niels	403	Eyeglass sweat band	366				
Deserts, Oil spray	381	Engine overheating	196	Eyeglass sweat band	366				
de Seversky, A. P.	318	Engineering	292, 293	Eyeglass sweat band	366				
Desferrioxamine	41	Engle, Mary A.	41	Eyeglass sweat band	366				
Detergents	28, 155	Engle, R. L.	168	Eyeglass sweat band	366				
p. 155, Molecule is a forked chain.		English Channel Tunnel	218	Eyeglass sweat band	366				
Deutsch, Armin J.	339	Enlarger-Printer	80	Eyeglass sweat band	366				
Developing, Automatic	144	Enterline, Philip E.	192	Eyeglass sweat band	366				
DeVonis, Ursula	119	Enzymes	79, 304, 405	Eyeglass sweat band	366				
Dewey, D. R.	310	Epilepsy	272	Eyeglass sweat band	366				
Diabetes, Drugs	224, 259	Epilepsy laws	375	Eyeglass sweat band	366				
Diagnosis, Electronic	127	Epoxy coating	192	Eyeglass sweat band	366				
Diamonds	24, 229, 309, 383	Ernstrom, Carl A.	382	Eyeglass sweat band	366				
Diaper, "Pinless"	61	Eskew, R. K.	392	Eyeglass sweat band	366				
Dice, Probability	138	Eskimos, Bottle-fed	53	Eyeglass sweat band	366				
Dickson, Donald G.	416	Etges, Frank J.	302	Eyeglass sweat band	366				
Didisheim, Paul	295	Etkinger, R. C. W.	389	Eyeglass sweat band	366				
Diesel 'Pioneer'	88	Eutonyl	336	Eyeglass sweat band	366				
First mainline diesel.		Evolution	377	Eyeglass sweat band	366				
Diet, Vegetarian	387	Ewalt, Jack R.	307	Eyeglass sweat band	366				
Dietz, Robert S.	215	Ewing, H. I.	78	Eyeglass sweat band	366				
Diffuoroborane	195	Ewing, Maurice	104	Eyeglass sweat band	366				
Dilcher, David L.	26	Excellence	393	Eyeglass sweat band	366				
Dillaha, Calvin J.	256			Eyeglass sweat band	366				

- Hilker, Luther D. 269
 Hillis, William D. 344
 Hills, Eric George 190
 Hiltner, William A. 133
 Hines, Colin O. 264
 Hinkley, J. William 56
 Hinman, Allen T. 255
 Hippocampus 245
 Hironaka, Heisuke 56
 Hisaw, Frederick L. 221
 Hitchcock, Claude R. 320
 Hoagland, Hudson 221
 Hodgkin's disease 265
 Hoffman, James F. 72
 Hoh, Siegfried E. 158
 Hollenback, C. M. 61
 Holloway, Rollind O. 190
 Holt, Pliny G. 410
 Holtzman, Arnold H. 378
 Homo habilis 241, 243
 Homunculus 347
 Honda, Nimoto 407
 Honeymonds 345
 Hoover, Donald B. 291
 Hormone, Anti-acid 85
 Hormone, Pituitary 197
 Hormones 150, 153, 403
 Horton, B. M. 403
 Horwitz, William A. 343
 Hosler, Charles L. 409
 Hospital weekend 342
 Houck, John C. 79
 Housing, Instant 298
 Hovercraft 81, 91, 298
 Howard, Charles 119
 Howard, Hildegarde 104
 Hoy, Thomas E. 77
 Hoyer, B. H. 365
 Hoyle, Fred 83, 111
 Hsu, Yu-Chih 28
 Hubley, John 319
 Hudon, Marie-Antoinette 269
 Hulicka, Irene 249
 Humphrey, H. H. 231
 Humidifier 144
 Hummingbird, New 45
 Hundley, James M. 102
 Hunter, C. A. Jr. 126
 Hurricane clues 404
 Huth, Edward J. 70
 Huttsell, Eugene C. 319
 Hydrazine 184
 Hydro-air gun 80
 Hydrofoll 298
 Hydrogen, Liquid 379
 Hydrographic globe 256
 Hydroponics 131
 Hydroskimmer 298
 Hydroxyl radical 78
 Hyman, Chester 295
 Hyperbaric chamber 67, 201, 211
 Hypersonic waves 355
 Hypnosis 306
 Hypodermic syringe, Photography 23
 Hypsometer 98
 ICARUS 199
 IMP satellite 179, 195
 IQ 25, 125
 IQSY 99, 217
 IUDD drug 23, 162
 Icebreaker, Polar 17, 25
 Image intensifier 178
 Imipramine 307
 "Immortality" 389
 Impotence 109
 Imprinting 41
 Inca site 392
 Incubator, All-purpose 32
 Indian Ocean current 89
 Indian pipes 394
 Infant autopsies 208
 Infant behavior 35
 Infant's, Oxygen 24
 Inflatable dry box 128
 Influenza vaccines 40, 80
 Information, Laser 69
 Infrared broiler 336
 Ingenito, Donald 8
 Injun III satellite 8
 Inoue, S. 178
 Insect control, Biological 377
 Insect lure 141
 Insect pests 153
 Insect sterilants 238
 Insecticides 206, 226, 384
 Insulin, Artificial 183
 Intelligence 25, 125
 Interferon 352
 Interlingua 4, 68, 148, 212, 276, 356
 Invention, Computer 295
 Inverter ballast 192
 Ionization 416
 Ionocraft 318
 Ionosphere 193, 194, 217
 Ionospheric waves 264
 Irving, D. W. 5
 Isbell, Harris 16
 Ishibashi, Akira 255
 Israel 250
 Israel, Harold L. 352
 Iyer, V. N. 23
 Jacina, I. 169
 Jacob, T. Mathai 276
 Jaffin, Henry 163
 January thaw 62
 Janz, John B. 366
 Japan, Student awards 335
 Jarlan, Gerard E. 93
 Jasperson, Robert E. 366
 Jaundice, Drug-caused 384
 Jaws, Fossil 242
 Jackel, Norman C. 222
 Jefferson, Blanche 244
 Jefferts, Keith B. 286
 Jeffrey, R. E. 361
 Jenkins, Robert J. 38
 Jenni, James R. 61
 Jensen, Glen D. 393
 Jensen, James R. 382
 Jet, Landing 358
 Jillson, Otis F. 112
 Johns, Gilbert 387
 Johnson, Delores E. 228
 Johnson, Grady L. 269
 Johnson, Lyndon B. 55, 181, 198, 377, 393
 Johnston, Richard F. 377
 Jones-Hinton, James 301
 Jordan, Thomas J. 349
 Jordan-Yarmuk 150
 Jorgens, Joseph 73, 121
 Jouvet, Michel 264
 Jukes, Thomas H. 2
 Jupiter 62, 290
 Jupiter, Temperatures 388
 Juvenile delinquency 105
 KAF fertilizer 232
 Kadlec, Paul W. 153
 Kado, Raymond 100
 Kaehms, Charles G. 93
 Kaesberg, Paul 25
 Kagan, Irving G. 48
 Kahan, Mortimer J. 110
 Kakapo, "Owl parrot" 26
 Kamen, Ira 216
 Kane, Sydney H. 208
 Kaplan, Lewis 100
 Karnofsky, David A. 264
 Katsoyannis, P. G. 183
 Katz, Julius 329
 Katz, Samuel L. 308
 Kauer, John 61
 Kaufman, Ernest D. 126
 Kay, Joseph 103
 Keating, Jerome V. 222
 Keberle, H. 41
 Kececioglu, Dimitri 21
 Keene, Joan M. 325, 326
 Kellner, Aaron 217
 Kellogg, Winthrop N. 183
 Kelly, Thomas E. 382
 Kelsey, F. O. 180, 296, 350
 Kennedy, John F. 27, 307
 Kenya meat powder 242
 Kertesz, Z. I. 54
 Kessler, Edwin 282
 Ketcham, Howard 141
 Key labels 240
 Khorana, H. Gobind 275
 Kibrick, Sidney 336
 Kidney disease 345, 352
 Kidney failure 180
 Kidney stone 95
 Kies, Marian 67
 King, Gilbert W. 89
 Kisliuk, Paul P. 382
 Kissen, David M. 116
 "Kissing bug" 32
 Kissing disease 297
 Kistiakowsky, G. B. 199
 Kleinman, Jerman 64
 Klemm, LeRoy H. 82
 Klemperer, Wolfgang 135
 Klugman, Albert M. 224
 Kline, Allen H. 272
 Kline, Jacob 281
 Kline, Leo 29
 Klingensmith, D. C. 366
 Knauss, John A. 89
 Knight, Vernon 352
 Knight, William P. 349
 Knipping, Edward F. 166
 Knoebel, S. B. 126, 245
 Knoth, R. J. 312
 Knowlton, Kenneth C. 287
 Knutti, Ralph E. 85
 Ko, H. C. 24
 Kohn, Gustave K. 222
 Kolenda, Pauline M. 27
 Kopa, Richard D. 152
 Krebs, (Sir) Hans 290
 Kreplin, Robert 99
 Kroll, Wilhelm 162
 Kubica, Andrew J. 399
 Kubie, Lawrence S. 201
 Kuiper, Gerard P. 340
 Kuleshova, Rosa 7
 Kurnofsky, Solomon 329
 Kurland, Leonard T. 67
 LDX system 392
 LH 379
 Label holder 208
 Label maker 112
 Laboratory incubator 16
 Laboratory jack 64
 Laboratory river 231
 Ladner, Gerard 110
 Laemmel, Arthur E. 169
 Laird, Melvin R. 329
 Lakatos, Emory 366
 Lamb, James R. Jr. 395
 Lambda particle 179
 Laminate, Plastic 271
 Lamp, Portable 400
 Land, C. E. 232
 Land, Edwin H. 382
 Landing, All-weather 382
 Lanford, Wade E. 29
 Langdon, Ronald R. 349
 La Rocca, Rosario S. 269
 Laser, Color 357
 Laser, Communications 58
 Laser, Information 69
 Laser, Microscope analysis 72
 Laser, Miniature 37
 Laser, Satellite test 3
 Laser, Triode 120
 Laser, Weather prediction 100
 Laser teaching kit 336
 Lasers 57, 194, 200, 262, 281, 293, 294, 313, 355
 Lasker awards 329
 Lawson, Ray N. 5
 Lead poisoning 192
 Leakey, Louis S. B. 243
 Le Bel, John P. 286
 Leg injury, Disuse 32
 Leibnizoh, Shaul 6, 21
 Leighton, Alexander H. 104
 Leitner, J. 329
 Lemm, Lester F. 158
 Lenhoff, Howard M. 153
 Lens cleaning tissue 175
 Leopard's bane 207
 Leprosy 232
 Leshner, George Y. 211
 Leukemia virus 173
 Levin, Morgan L. 312
 Levine, Jerome 73
 Levine, Leo 144
 Levitt, Morton 405
 Lewis, Edward B. 9
 Lewis, H. E. 105
 Lewis, Roy K. 301
 Li, C. H. 197
 Li, C. P. 405
 Libraries, Automated 89, 371
 p. 89, For 43 million read 13 million.
 Librium 361
 Liehstein, Michael L. 313
 Lieber, Arthur 73, 121
 Lieber, Edwin J. 8
 Life, Interpretation 214
 Life expectancy 37
 Life in space 46, 106, 169
 Life mechanisms 214
 Ligda, Myron G. H. 100
 Ligenza, Joseph R. 391
 Light, Speed 331
 Lightning 185
 Lightning, Artificial 88
 Liller, W. 247
 Lincoln, Abraham 144
 Linden tree, Basswood 30
 Linder, Edwin 14
 Linke, Richard 161, 163, 167
 Lintz, James T. 318
 Lipotropin 197
 Liquid, Cooling 54
 Littleton, N. W. 248
 Livingston, Samuel 272
 Lobeline 50
 Lockard, Joseph F. 222
 Locker, Joseph D. 119, 161, 163, 167
 Loeb, Sidney 381
 Loewy, Raymond F. 269
 Lohse, Ora F. 238
 Lorincz, Albert B. 277
 Louria, Donald B. 73
 Lovas, M. 205
 Lovell, Bernard 331
 Lovins, A. B. 325, 326, 377
 Lubricant spray 368
 Lucas, Eugene H. 93
 Luhby, A. Leonard 73
 Lundegardh, H. G. 290
 Luneberg lense 349
 Lung cancer 51, 336, 361
 Lung fluid 231
 Lung transplantation 16
 Lutwak-Mann, Cecilia 296
 Lyman, John 43, 215
 Lyons, Kenneth 103
 MacArthur, D. A. 265
 McCall, G. J. H. 338
 McClure, Frank J. 183
 Maccoby, Eleanor 40
 MacDonald, A. D. 402
 MacDonald, G. J. F. 2, 111
 MacDonald, John M. 343
 McGehee, John R. 216
 McGovern, George 246
 McGuire, R. J. 70
 McHenry, Bobby R. 319
 McInvale, George W. 349
 McKee, James M. 301
 McKinnon, Malcolm N. 349
 McLean, Donald 301, 344
 MacLeary, Lachlan 294
 McLeod, John 175
 McMurray, Walter 91
 McN-1025 258
 McNary, Wm. F. Jr. 72
 McWhinnie, Mary A. 393
 M-82 galaxy 297
 MHD 359, 390
 MOL, Space lab 115
 MPD generator 22
 Maassab, Humein F. 260
 Machinery, Holding 320
 Machines, Self-producing 303
 Macroscopic quantum 159
 Madden, Robert P. 83
 Magee, Kenneth R. 36
 Magnet, Giant 416
 Magnet core 389
 Magnetic belt, Space 179
 Magnetic devices 136
 Magnetic field, Galaxy 133, 297
 Magnetic generator 22
 Magnetic nail driver 288
 Magnetic pod 6, 21
 Magnetic stirrer 352
 Magneto-hydro-dynamics 359, 390
 Magnets, Medical tools 21
 Moody, Don 375
 Moon, Magnetic effect 195
 Moon, Red spots 360
 Moon, Total eclipse 35, 376
 Moon, Water supply 137
 Moon blinks 338
 Moon fragments 196
 Moon landing 22, 99, 338
 Moon surface 115, 133, 290
 Moore, Edward F. 303
 Moore, George E. 5
 Moore, Patrick 338
 Moore, Wendell F. 298
 Morris, Desmond 270
 Morrison, Philip 46
 Moses, Harry 88
 Mosquito, Yellow fever 21
 Moss, Arthur J. 185
 Mothers, Working 250
 Motor oil, Lifetime 361
 Motorless boat propeller 272
 Mountain ridge, Antarctic 201
 Mouse cage, New 208
 Mouse litters, Stress 41
 Movie, Animated 319
 Mower safety blade 16
 Mrak, Emil M. 360
 Mueller, George E. 328, 391
 Muffler, Rock drill 126
 Muhler, Joseph C. 183
 Mulford, Harold A. 402
 Muller, Cornelius H. 151
 Muller, Herman J. 389
 Multiple sclerosis 67
 Mumps gland 248
 Murch, Guido 100, 340
 Murphree, Francis J. 366
 Murphy, E. A. 375
 Murphy, W. H. 306
 Murphy, W. P. Jr. 171
 Murray, Bruce C. 388
 Murray, Joseph 35
 Muscle steering 43
 Muscles, Activated 197
 Muscular dystrophy 79, 183
 Museum exhibit, Birds 409
 Museum of History and Technology 49, 54, 55, 88, 120

- Myasthenia gravis 260
 Myelin 67
 Myers, R. A. 69
-
- NASA boot camp 309
 NOMAD 199
 Nachmansohn, David 302
 Najarian, John S. 259
 Napier, John R. 244
 Narcotics 102, 268
 National Academy of Engineering 292
 National Academy of Sciences 199, 290
 National Bureau of Standards 83
 National Science Fair-International 278, 311, 321, 323, 324, 325, 326, 327, 333, 334, 335
 National Science Board 360
 Natta, Giulio 110
 Nebula, Orion 355
 Ne'eman, Y. 147, 179, 261
 Needle gripper 95
 Needle value, Improved 224
 Negev Desert, Water 150
 NegGram 211
 Negroes 306, 367
 Neil, Hugh G. 238
 Ness, N. F. 195
 Neuberger, Maurine 37
 Neurosis 208
 Neutrinos 195
 Neutron stars 291
 Neuts, Marcel 139
 New Jersey coast 9
 New York World's Fair 225, 234, 263, 386
 New Zealand birds 26
 Newill, Vaun A. 192
 Newspaper editors 233
 Nicholson, H. B. 312
 Niederman, James C. 288
 Nielson, Carl 42
 Niobium film 133
 Nix, James T. 295
 Nobile, Arthur 382
 Noise, Jet eddies 184
 Norinyl 231
 Norton, William T. 67
 Nose ball, Spacecraft 286
 Nose cone 115
 Notebook, Electronic 368
 Nuclear blasts 83
 Nuclear particles 84, 261
 Nuclear propulsion 46
 Nuclear reactor, U-233 190
 Nuclear tests, Underground 54
 Nuclear weapons 38, 111
 Nuclei, Lifetime 403
 Numb chin 32
 Numeral electric clock 16
 Nurses 342
 Nylon tip marker 304
-
- OPDAR 281
 OSO-B satellite 247
 Oats, Preservative 313
 O'Callaghan, William J. 200
 Ocean floor 23, 72, 215
 Ocean research 25, 328
 Ocean sediment 104
 O'Connor, Basil 374
 Office democracy 185
 Ofsowitz, Clare 119
 O'Keefe, John A. 196
 Okuyama, Hiroshi 238
 Oldfield, R. C. 403
 Oiduvai fossils 241, 243
 Olefin fiber 280
 Omega minus 147, 179
 Onion tipburn 168
 Operation Dominic 111
 Opossum, Tamed 120
 Oppenheimer, J. R. 132
 Orbell, G. B. 26
 Orbiting Astronomical Observatory 74
 Organ transplants 35, 182
 Orme, J. E. 25
 Orion Nebula 355
 Orr, Robert T. 152
 Orth, Gertrude M. 53
 Ortho-Novum, 2-mg 160
 Osteno, Ned A. 23
 Osteoporosis 319
 Ovenbird 319
 Owen, Richard R. 64
 Oxygen 24, 365, 377
 Oxelthazine 399
 Oxide films 391
 Oyer, Herbert J. 294
 Ozone hazard 54
-
- PAS 357
 Paden, Philip Y. 325, 326
 Page, Irvine H. 102, 351
 Page, Robert Z. 269
 Paging, Pocket radio 169
 Pai, Anna 183
 Pain relieving drugs 399
 Paint brush-roller 112
 Paint roller cover 336
 Panama Canal, Alternates 75
 Paolin 405
 Paper, Cloth knit 24
 Paper, Wood pulp 168
 Paper consumption 90
 Pappas, Arthur M. 192
 Parents 105, 280
 Park, Orlando 2
 Parkes, A. S. 221
 Parkinson's disease 136
 Parotate 180
 Parrot fever 152
 Parthenogenesis 136
 Particles, Strange 147
 Pascal, Blaise 138
 Patents 13, 29, 61, 77, 93, 110, 126, 142, 158, 171, 190, 206, 222, 238, 255, 269, 286, 301, 318, 349, 366, 382, 399, 410
 Patients, Isolated 127
 Patio bell 288
 Paterson, D. F. 328
 Pauling, Linus 37, 178
 Pay-TV channels 216
 Peacock, Leon James 233
 Pearsall, I. C. 376
 Pearson, R. S. Bruce 306
 Peck, Harris B. 216
 Peihson, Gordon O. 404
 Peitson, Jackson R. 231
 Pendulum putter 304
 Penguins 150
 Penicillin pills 248
 Penrose, L. S. 303
 Penta, Arthur Q. 21
 Pentazocine 16
 Pep pills 402
 Perelman, F. 232
 Perloff, William H. 374
 Perrin, Walter A. 77
 Peru 392
 Pesticide antidote 302
 Pesticide balance 384
 Pesticides 134, 249, 308
 Peter, George 293
 Peterson, W. E. 283
 Peterson, Esther 250
 Peterson, Roger Tory 310
 Pfann, William G. 382
 Phenformin 224
 Phenobarbital 162
 Phenobarbital, Delete: related to the spread of enzymes. 288
 Phenylketonuria 288
 Phillips, Richard 279
 Phillips, Robert A. 72
 Phosphorus recovery 410
 Photosynthesis 53
 Physicians, Malpractice 258
 Physicians, U.S. 400
 Pi hoops 400
 Pickering, William 40
 Pierce, Firth 77
 Pigeon, Color vision 101
 Pike, Sele Sidney 13
 Pill imprints 224
 Pilot heart attacks 152
 Pimentel, George C. 133
 Piranha 97, 101
 Planetarium ISTEP 179
 Plants, Light 283
 Plants, Seawater 217
 Plastic dish racks 256
 Plastic room 127
 Plastic surgery 43
 Platt, Lois I. 80
 Plotkin, Henry H. 3
 Plotting kit, Three-D 384
 Plutonium 178
 Pocket page receiver 48
 Pocket siren alarm 384
 Pocket stamp 64
 111 Poison pen letters 25
 120 Polar regions 105
 Polio immunization 374
 Political virus 277
 Pollock, Samuel C. 77
 Polonium 70
 Polystyrene balls 288
 Population growth 76
 Porcupines 248
 Porter, David Lynton 116
 Porterfield, John D. 357
 Porto, S. P. S. 313
 Positrons 39
 Foussaint, Alvin F. 307
 Powell, Alan 184
 Power unit, Portable 192
 Powers, Samuel R. Jr. 180
 Precision tweezers 320
 Prednisone 382
 Pregnancy, Cancer 264
 Pregnancy, Drugs 134, 272
-
- Pregnancy, German measles 149
 Pregnancy, Live-virus vaccine 208
 Premarital laws 324
 Prescott, Benjamin 405
 Presidential scholars 377, 393
 Press, Frank 200
 Pressure water tank 144
 Prinzmetal, Myron 48
 Probability 138
 On both a blue die and a white die. Delete: and on a white die it is also 1/36. 262
 Project Fire 262
 Propeller kit, Spare 368
 Propst, Raymond L. 77
 Prosthetics 162
 Protich, M. 169
 Protometer 160
 Protopan chloride 302
 Proton structure 69
 Protons, Lethal 99
 Pruner, Long reach 208
 Psychiatric first aid 240
 Psychiatric training 201
 Psychiatrists 343
 Psychoanalysis 200
 Psychology game 206
 Psychoquackery 175
 Fullen, Wayne G. 29
 Furtans, Sex attitudes 20
 'Purple heart' drug 402
 Fussy willows 140
 Fyelonphritis 345, 352
 Fyribenzamine 368
-
- Quadruplegia 48
 Quail menu 63
 Quarks, Particles 261
 Quasars 297
 Quail 169
 Quick, Armand J. 56
-
- RACE computer 132
 READI 395
 RNA 89, 214
 Rabinow, Jacob 286
 Racker, Efraim 230
 Radar 262, 297, 338
 Radar, Hand-held 139
 Radar testing 305, 312
 Radford, Edward P. 70
 Radiation, Atoms 403
 Radiation, Electromagnetic 331
 Radiation dose 54
 Radiation region 179
 Radiation therapy 8, 233
 Radio, Two-way 329
 Radio waves, Source 24
 Radioactive iodine 131, 54
 Radioactive handling 346
 Radioactive wastes 232, 375
 Radioactivity 70, 360
 Radiologist death rate 9
 Railroad tracks 73
 Rain, Appalachia 409
 Rain making 121
 Raindrops 340
 Ramage, Colin S. 345
 Rand, M. J. 103
 Ranger VI 98
 Rank, David H. 62
 Rapoport, Rhona 345
 Rapoport, Robert N. 345
 Rapoport, Anatol 19
 Rare elements 56
 Rasmussen, Prescott C. 15
 Rasmussen, R. 292
 Rat poison 258
 Rats 296
 Ratzenhofer, Max 275
 Ray-proof glasses 238
 Reactor, First 329
 Reactor cooling method 410
 Reading ability 216
 Reading device 125
 Reading lamp-table 192
 Reagent bottles 224
 Receiving tubes 48
 Record brush 288
 Recording tape eraser 240
 Reddi, K. K. 291
 Reed, Charles F. 258
 Reemtsma, Keith 35
 Refrigerator deodorizer 400
 Reinert, Raymond E. 342
 Reinhart, John B. 304
 Relay II 69
 Remote control dimmer 304
 Renner, Victor A. 142
 Research 19, 71, 199, 345
 Research, Congress 254
-
- Retine 9
 Retrometer 294
 Revelle, Roger 233
 Reynolds, George T. 178
 Rhythmic method 21, 109, 182
 Ribicoff, Abraham 134, 226
 Richards, T. L. 19
 Richison, Eugene M. 366
 Richter, Curt P. 336
 Rieffel, Leonard 307
 Rifle, AR-18 78
 Righini, Guglielmo 339
 Riley, James A. 61
 Ringler, Robert L. 217
 Riopelle, Arthur J. 344
 Rip repair tape 64
 Ripley, S. Dillon II 120
 Ristaino, Antonio J. 399
 Riveting kit 352
 Robbins, Warren M. 373
 Robel, Robert 62
 Roberts, C. J. 371
 Roberts, Walter Orr 41
 Robertson, William O. 224
 Robinson, B. J. 78
 Robots 346
 Roche, Thomas M. 206
 Rochman, Joan E. 240
 Rock, Irvin 117
 "Rockeater" 24
 Rocket belts 298
 Rocket fuel 184
 Rocket pack 216
 Rocket launching 382
 Rocket vibrations 359
 Rockets, Nuclear 46
 Rockets, Solid fuel 370
 Rodents, Trebark 88
 Roe, Robert S. 350
 Roedder, Edwin 249
 Rogallo, Vernon L. 329
 Rogers, Blair O. 182
 Rohr, Fred H. 93
 Rosan, Robert C. 72
 Rose, All-American 374
 Rosen, Samuel 80
 Rosenberg, B. A. 137
 Ross, Charles A. 50
 Roszowski, Adolph P. 258
 Roy, Maurice 290
 Rubber spray 381
 Rubin, Harry 312
 Rumsey, Joseph F. Jr. 171
 Russia, Archaeology 264
 Russia, Space 94, 247, 392
 Russian research 393, 409
 Ryther, John 365
-
- S-66 satellite 3
 SA-5, Saturn I 98
 SA-6, Saturn I 337, 338
 SCAT 358
 SNAP 89, 199, 377
 Sabin, Albert B. 374
 Sadusk, Joseph F. Jr. 231
 Safa, Helen Icken 27
 Safety glasses 208
 Safonov, George 117
 Safren, Miriam A. 279
 Sagan, Carl 339
 Sailplane 135
 Salamanders 150, 269
 Salber, Eva J. 112, 240
 Salmon 181
 Sarnios, Nicholas P. 147
 Samp, Robert J. 368
 Sandage, Allen R. 297
 Sanderson, Voris R. 301
 Sansert 114
 Santangelo, A. S. 318
 Sapphire crystal 355
 Satellite, Bird-shaped 129, 141
 Satellite, Polka-dotted 1, 9
 Satellite, Sun-scanning 247
 Satellite mapping 253
 Satellite observatories 65, 74
 Satellite spin, Reduced 13
 Satellite tracker 339
 Satellites 185, 190, 213, 293
 Satellites, Communication 69, 313, 376
 Satellites, Ionospheric 3, 194
 Satellites, Weather 39, 293, 404
 Sateloon, Echo II 94
 Saturn I 88, 98, 141, 337, 338, 395
 Saturn V 166, 227
 Saxl, Erwin J. 280
 Scarborough, Barron B. 296
 Scarce, LeRoy E. 306
 Schafer, Mary 249
-
- Scheer, Leonard 170
 Schilling, Harold K. 214
 Schirra, Walter 347
 Schistosomiasis 302
 Schizophrenia 175
 Schlesinger, L. E. 279
 Schlidt, Rudolf H. 255
 Schmeer, M. Rosarii 405
 Schneiderman, M. A. 400
 School of tomorrow 263
 Schubert, Jack 54
 Schueller, Otto 318
 Schultz, P. N. 325, 326
 Schultze, Martin 61
 Schwartz, Harold 144
 Schwarz, Klaus 79
 Schwinger, Julian 179
 Science Aptitude Test 87
 Science 6, 132, 388
 Science, All Stars 102, 119, 131
 Science areas, Neglected 19
 Science Department 2
 Science fairs 311
 Science grants 371
 Science museums 223
 Science Service trustees 292
 Science Talent Search, 71, 86, 103, 119, 161, 163
 Scientia International 4, 68, 148, 212, 276, 356
 Scientific brainpower 232
 Scientific careers 263
 Scientific revolution 322
 Scientist-astronauts 309
 Scientist author credit 351
 Scientists 132, 254, 314, 351
 Scott, Wendell G. 5
 Screen door closer 64
 Sea anemone 223
 Sea gulls 270
 Sea level changes 236
 Sea lion 152
 Sea mountain 158
 Sea pressure 215
 Sea taxi 349
 Sea treasures 118
 Sea scorpions, Ancient 226
 Sea urchin 136, 297
 Seaborg, Glenn T. 38, 167, 190, 314, 388
 Seahorse 12
 Sealants, Silicone 219
 Seasickness 389
 Seat belt retractor 224
 Seawater conversion 131, 233, 381
 Seawater irrigation 217
 Seedlings 151, 177, 186
 "Seeing with fingers" 7
 Segal, Chelson J. 109
 Seismograph, Portable 291
 Seitzchik, Joseph 341
 Seitz, Frederick 292
 Selenium 79
 Selling, Ben 336
 Semenov, Sergei A. 264
 Semiconductors 296
 Serota, Herman M. 200
 Sever, John L. 149
 Sex chromatin 80
 Shapley, Harlow 319
 Sharp, Richard 25
 Shaving, Close 16
 Sheets, Maurice V. 295
 Shelly, Walter B. 320
 Sherman, Lewis J. 155
 Ship, Automated 55
 Shipman, William G. 128
 Ships, Research 328
 Shipyard 'Spaghetti' 89
 Shklovsky, I. S. 83
 Shlesinger, B. E. Jr. 382
 Shock absorber 216
 Shock absorber fender 336
 Shock treatment 70
 Shoe shiner 272
 Shofnos, William 236
 Shop caddy 160
 Shore, Harry 141
 Shrews 169
 Shrub, Aromatic 151
 Shuck, Leon 105
 Shut, Ralph P. 147
 Sickie cells, Kidneys 32
 Sigler, Harold H. 61
 Sigmann, Joan M. 137
 Signal, Warning 294
 Signal light lenses 64
 Silastic 43
 Silica aerogel 153
 Silicone elastometers 240
 Silicone rubber 69
 Silicone sealant 368
 Silverfish 45
 Simpson, George G. 169
 Simpson, John A. 83
 Simpson, Robert H. 282
 Singer, S. Fred 293
 Sirius B 39
 Sjoerdsma, Albert 405

- Ski-skates 16
 Ski trainer 368
 Skin grafts 25, 88
 Skin rash 336
 Sklarew, Bruce 342
 Skudder, Paul A. 352
 Skulls, Fossil 243
 Skunk cabbage 127
 Slaughter, Eldon E. ... 190
 Sleep, Paradoxical 264
 Sleepiness 104
 Slide projector 240
 Slip preventive spray ... 192
 Slitting blades 80
 Sloan, Alfred P. Jr. ... 345
 Small animal carrier ... 80
 Smallpox 23
 Smart, Michael J. 181
 Smith, A. G. 290
 Smith, Balus F. 61
 Smith, Henry R. 126
 Smith, Kenneth A. 278
 Smith, S. Earle Jr. ... 136
 Smith-Miller, Th. R. ... 410
 Smithsonian Institution ... 49, 55, 120
 Smog 136
 Smog devices tested 152
 Smoking 37, 50, 70, 103, 112, 197, 211, 368, 400
 Smoking, British 316, 389
 Smoking, Emphysema 70
 Smoking, Heart 85, 329
 Smoking, PHS 51, 52
 Smoking, Safe 5
 Smoking, Students 240
 Smullin, L. D. 153
 Snails 302
 Snake-bite deaths 405
 Snake toxicant 61
 Snow, Charles P. 351
 Snow shovel lubricant. 112
 Snyder, Lee R. Girtton 119, 161, 163, 167, 377
 Soaring 143
 Socket wrench 160
 Sognnaes, Reidar F. ... 200
 Solar batteries, Small 112
 Solar energy engine 77
 Solar flares hazard 99
 Solar matter 359
 Solar simulator 372
 Solberg, H. G. Jr. 119
 Soldiers, Problem 342
 Solid fuel tester 369, 370
 Solomon, Leonard H. ... 331
 Somigliana, Ugo 399
 Sonar system 72
 Sonic energy 184
 Sound, Hearing 198
 Sourirajan, Srinivasa ... 381
 South America 132
 Southam, Anna L. 109
 Space 22, 29, 233
 Space, Black holes 39
 Space, Engine repair ... 395
 Space, Life in 46
 Space, Man in 100, 359, 390
 Space, Reflectivity 343
 Space, U.S. advances ... 98
 Space, Vacuum 359
 Space, Waste water 51
 Space, Water 137, 339
 Space communication ... 376
 Space data, U.S.-U.S.S.R. 392
 Space data converter ... 69
 Space engine, Cloth 392
 Space fuel 38, 71
 Space laboratories 115, 264
 Space medicine 391
 Space mirror 193, 194
 Space platform 149
 Space power tool 309
 Space race 88
 Space reentry 115, 194, 262
 Space simulators 386
 Space stargazer 65, 74
 Space station, Russia 247
 Space suits 99, 115, 302
 Space teaching kit 256
 Space temperatures 248
 Spacecraft, Bug-like 405
 Spaceships, Germfree ... 107
 Spady, Amos A. Jr. ... 213
 Spain, David 11
 Spanish National Science Fair 279
 Spare tire, Folding 61
 Sparks, J. H. 40
 Sparrows 377
 Species, Extinct 104
 Speed reading aid 416
 Speed warning device ... 304
 Spenadel, Lawrence ... 296
 Spencer, Frank C. 15
 Sperm, Frozen 374
 Spider, Deadly 245, 256
 Spider webs 258
 Spiders, Trap-door ... 365
 Spielman, Howard 119
 Spinal experiment 200
 Spinrad, Hyron 100, 340
 Spoerlein, Marie T. ... 116
 Sponge rubber 296
 Spout opener, New 95
 Spray shield kit 336
 Spray unit, Flexible 224
 Spring 177, 186
 Sproull, Robert F. 161, 163, 166, 167
 Spruce, Bark log 64
 Stahmer, Bernhardt ... 142
 Stainless steel 393
 Stamberger, Paul 190
 Stamps, Tagged 12
 Stanley, Patricia A. ... 7
 Stanley, Wendell 291
 Star collisions 222
 Star distances 405
 Star projector 179
 Stare, Frederick 230
 Stars 58, 122, 202, 266, 330, 405
 'Stars', Created 8
 Stars, Degenerate 39
 Stars, Measured 195
 Stars, Synthetic 280
 Steel alloy 312
 Steel gauge, Magnetic ... 61
 Steel spring fasteners ... 144
 Steel tubing clamps ... 16
 Steinhaus, Edward A. ... 377
 Sterling, Theodor D. ... 72
 Stern, Ralph H. 200
 Sternberg, Thomas H. ... 127
 Stohman, Frederick 73
 Stoicheff, Boris P. ... 355
 Stone, Orville J. 57
 Stone, W. H. 168
 Stone Age tools 264
 Stoney, K. A. 121
 Stookey, S. Donald 84
 Storm vortex 294
 Story, John 61
 Stout, Clarke 400
 Straight, David M. ... 399
 Stress 41
 Strong, John 261
 Strughold, Hubertus ... 201
 Stulver, Minze 9
 Submarine, Oceanographic 365
 Submarine, Two-man 89
 Submarines, Non-atomic 248
 Submersion rotator 48
 Sugarbaker, E. D. 64
 Suicides 271, 343
 Sullivan, James G. 7
 Summer 394
 Sun, Kuan H. 403
 Sun, Cool spot 339
 Sun's electric charge ... 213
 Sunsets, Dust band 249
 Superconducting film ... 29
 Superconductors 296
 Supernova 136, 205
 Supersonic airplane 111, 353, 358
 Supersonic interceptor ... 162
 Surgical drill 269
 Sutherland, R. Duncan ... 320
 Sutnick, Alton I. 336
 Svantesson, Sven 227
 Swain, Alan D. 36
 Swezey, Robert L. 32
 Swimming pools 344
 For gallons read pounds.
 Syringe-type container 272
 System/360 248
 Szent-Gyorgyi, Albert. 9
 Szybalski, Wacław 23
 TMV 291
 TV medicitis 95
 Tab mounts 128
 Table-desk 352
 Table-top blower 336
 Tack storer-driver 272
 Takeda, Katsumi 93
 Tashjian, R. J. 328
 Taste sense 207
 Tate, Norman 16
 Tavel, Morton E. 95
 Tax reduction study ... 180
 Taylor, Charles G. Jr. ... 325, 326
 Taylor, K. F. 41
 Teaching machine 120
 Technical Documentation Center 199
 Technicon Multi-8 182
 Teeth 272
 Telemetry receiver 193, 194
 Telephone, Lectures ... 371
 Telephone, Transistorized 32
 Telephone, Viewing 372
 Telephone blackboard ... 217
 Telephone timer 144
 Telescope, Rotatable ... 133
 Telescopes, Orbiting ... 74
 Television 40, 294
 Television, Pay-TV 216
 Temperature measuring device 160
 Tempered tip pipet 16
 Tension gauge 32
 Teraski, Paul 12
 Terhune, William B. ... 168
 Terrill, Richard L. ... 88
 Terry, Luther L. 211, 277
 Test-giving methods ... 101
 Tetanus 144, 352
 Thalheim, Harry 142
 Thalidomide 296
 Thermometer, Ear 275
 Thermoscan 5
 Thiabendazole 134
 Thibenzole 57
 Thiram 320
 Thomas, David R. 101
 Thomason, R. S. 312
 Thomas, A. Boyd 105
 Thompson, Edward 262
 Thompson, James C. ... 85
 Thompson, Richard 23
 Thompson, Stanley 56
 Thorium 178
 Thorotrast 37
 Thumbs replaced 7
 Thumbsucking 112
 Thunderstorm ozone 168
 Thunderstorms 362
 Thymus 37, 120, 260
 Thyroid count 272
 Tien, Ping King 120
 Tietze, Christopher ... 109
 Time capsule 235
 Time exhibit 55
 Time signals 194
 Tire chain apparatus ... 410
 Tires, Glass-reinforced 262
 Tiros satellites 404
 Titan II 22, 246, 370
 Titanium 162
 Tobacco, Radioactivity ... 70
 Tobacco research 102
 Tobacco field 33, 37
 Tobacco pesticides 134
 Tobias, Phillip V. 244
 Toddlers 416
 Tomizawa, Henry H. ... 259
 Tonsillectomy 16
 Tool kit, Pegboard 95
 Tooth decay 183, 200, 201, 248
 Tooth transplants 182
 Topsy satellite 194
 Tornados 282
 Torula, Food yeast 10
 Townes, C. H. 355
 Toy computer 64
 Toy guns 24
 For murderous read dangerous.
 Trachoma 281
 Tracking station 339
 Traffic accidents 121
 Tranquilizers 233, 361, 393
 Transitional metals 403
 Transmitters, Roadside ... 84
 Transplants 12, 35, 153, 182, 259, 314
 Transport, Faster 298
 Transsexuals 85
 Tree Farm program 90
 Tree frogs 410
 Trichinosis 48, 57, 134
 Triple-tap plug-in 384
 Troop rocket, Instant ... 199
 Trout 13, 351
 Trudel, Jacques 32
 True, Cecil W. 126
 Trythall, Sylvester W. ... 224
 Tuberculosis 149, 329, 357
 Tucker, Eli J. Jr. 255
 Tucker, William B. ... 149
 Tuckerman, Bryant 121
 Tufty, Barbara 361
 Tumor inhibitor 9
 Tunnels, Ocean 209, 218
 Turbine clutch 280
 Turkey cancer 137
 Turner, J. S. 283
 Twins 288, 343
 Tyler, Edward T. 160
 Typewriter, Talking ... 350
 Typhoid 375, 391
 UK-C satellite 194
 Udenfriend, Sidney 405
 Ulam, S. M. 222
 Ulcer diet 169
 Ulcer-freezing 265, 320
 Ulcers 85, 288, 313, 357
 Ullman, John E. 246
 Ulmer, Frederick 387
 Ultraviolet technique ... 83
 Uman, Martin A. 185
 Underwater weed saw ... 366
 Unemployment 246
 Universe, Size 340
 Urey, Harold C. 309
 Urinary infection 211
 Uttal, William R. 13
 VTOL 299
 Vaccine, leukemia 306
 Vaccine, Cattle 232
 Vaccine, Hepatitis 344
 Vaccine, Influenza 40, 80
 Vaccine, Measles 95
 Vaccine, Pneumonia 128
 Vaccine, Trachoma 281
 Vacuum chamber 359
 Vacuum secured vise ... 272
 Vaisala, Y. 169
 Van Allen, James 8, 165
 Van Dilla, M. A. 272
 Vander Lugt, Bud A. ... 125
 Vandervoort, Peter ... 355
 Vaz, Zeferino 132
 Venesection 195
 Vegetable peeler 352
 Veneering kit 192
 Venetian blinds 158
 Venn, Grant 372
 Venus 261, 266
 Vietnam, Medicine 341
 Viewphone 372
 Vine, Allyn C. 365
 Vineblastine sulfate ... 134
 Violence 307
 Virus particles 173
 Viruses 25, 217, 291
 Vision aid 187
 Vision vs touch 117
 Vitamin A 175
 Vitamin K 56
 Vitzthum, Virginia E. ... 110
 Viziam, Chetty B. 16
 Voice transmitter 294
 Volcano warning 293
 Volcanoes, Hawaii 200
 Von Eckhardt, Wolf ... 373
 Vosper, Robert 168
 Voting guide 222
 Wacker, W. E. C. 352
 Waelsch, Salome 183
 Waering, Erik 226
 Wagner, Carman J. 61
 Wagner, H. N. Jr. 160
 Wagner, R. S. 184
 Wagner, W. C. 98
 Walker, Eric A. 260
 Wall desk 400
 Wall-walking 213
 Wallace, Jack E. 57
 Wangensteen, O. H. ... 265
 War substitute 386
 Warren, Charles R. 133
 Warren, Howard C. 171
 Warren, Stafford 371
 Wasserburg, G. J. 111
 Waste in space 51
 Water, Astronauts 137, 339
 Water, Desalting 131, 181, 233, 381, 399
 Water, Oxygen 365
 Water, Stratifying 181
 Water boatman 187
 Water pollution 154, 306
 Water stretching 376
 Waterman, Alan T. 3
 Waterproof ski mittens 112
 Watson, Jere H. 286
 Weapons, Costs 163
 Weasels 24
 Weather, Computerized 404
 Weather Bureau 388
 Weather calls 309
 Weather instrument ... 16
 Weather model 128
 Weather prediction 39, 100
 Weather satellites 39, 293
 Weather station, Atomic 199
 Weaver, Charles H. 164, 165, 178
 Weaver, H. F. 65
 Webb, James E. 98, 165
 Webb, Wilse B. 104
 Weber, Thomas B. 248
 Weedman, Gail H. 206
 Weibel, R. E. 95
 Weight control 153
 Weight reduction 230
 Weight tester, NBS 3
 Weightlessness 114, 213
 Weights, Stainless steel 395
 Weinberger, Leon 155
 Weinstein, Howard 180
 Weinstein, Marvin J. ... 8
 Weinstein, Roy 69
 Weir, Morton C. 41
 Weisbrod, Howard 324
 Weiss, Susan 103
 Welch, Arnold D. 162
 Wendel, Herbert A. ... 259
 Wendt, Vernon E. 368
 Went, F. W. 292
 Westinghouse scholarships 163
 Wetmore, Alexander ... 45
 Whales 184
 Whaley, Peggy J. 32
 Wheat, Myron W. 368
 Wheat products 387
 Wheel balancers 80
 Whipple, Fred L. 15, 331
 Whistlers 313
 White, Alan D. 37
 White, Andrew J. 255
 White, J. W. Jr. 171
 White, Philip L. 304
 White, Richard N. 311
 White, Robert M. 307, 309, 388
 White-Stevens, R. H. ... 72
 Whooping cranes 223, 310, 363
 Widow's troubles 27
 Wiener, Norbert 215, 388
 Wigner, Eugene P. 386
 Wild ginger 299
 Wildlife 310
 Williams, D. R. W. 78
 Wilson, Richard 32, 69
 Winchell, Paul 158
 Winder, William 229
 Winds, Scissors-like ... 264
 Wine, David B. 265
 Winters, Stephen 163
 Withdrawal clinics 50
 Woelagle, Arnold 301
 Wolfe, Dael 180, 371
 Wolfson, Sorrell I. ... 128
 Wolkoff, A. Stark 245
 Wolowitz, William H. ... 13
 Women, Sick absence ... 192
 Woods, Charles W. ... 238
 Woodward, Robert F. ... 279
 Wool, Shrinkproof 251
 Wool pest, Noogoora ... 121
 Words, Recall 402
 Work, Harold K. 292
 Working mothers 250
 Wound healing 79
 Wren birdhouse 224
 Wright, Erick O. 325, 326
 Wright biplane replica 40
 Wrist chronograph 48
 Wurlan 251
 Wynder, Ernest L. 50
 X-Ray, Pocket-size 307
 X-Ray movies 5
 X-ray source 291
 X-rays 73
 X-Rays, Multicolored ... 13
 Xerography, Long-distance 392
 Yaeger, L. L. 53
 Yamamoto, R. T. 174
 Yeast, Torula 10
 Yellow fever mosquito ... 21
 Yi-Yung-Hsia, David ... 288
 Young, Charlotte M. ... 230
 Young, Dennison 217
 Young, Jack E. 77
 Young, Robert W. 238
 Youtz, Richard P. 7
 Yugoslavia 169
 ZIP Code 198
 Zacharias, Leon 384
 Zajac, E. E. 287
 Zajarias, Samuel 105
 Zapolski, A. C. 319
 Zavon, Mitchell R. ... 308
 Zerkova tree 57
 Ziegler, Karl 110
 Zinj man 243
 Zinn, Walter H. 410
 Zisler, Randall 103
 Zond I space station ... 247
 Zoo lighting 270
 Zorini, A. Omodel 357
 Zwerling, Israel 216
 Zwicky, Fritz 399