

A

- AAAS 4, 17, 18
 ABM missiles 471
 ALARM, Aircraft 164
 AOSO 247
 ATS 325, 379
 Abananti, F. R. 170
 Ables, Murray F. 352
 Abortion, Legalized 477, 526
 Abortion method, Soviet 526
 Abrasive holder 366
 Absenteeism, Smokers 447
 Abundance of elements 266
 Accelerator, Low-power 199
 Accelerator, Molecular 210
 Accelerator, 200-Bev shaped 115, 163, 192, 471
 Accelerator experiments, Chemistry 484
 Accelerators 94, 134, 231, 257, 427, 490
 Acken, Henry S. 413
 Ackerman, Nathan 493
 Acrylic sponge 281
 Adams, Clyde M. Jr. 291
 Adey, W. Ross 572
 Aerial audience survey 100
 Aerospace forecast 20
 Africa, Early man 189
 African dams, Plants 595
 Aged, Consumers 101
 Aged, Deep sleep 525
 Aggression, Intraspecies 472
 Aging, Effects of radiation 285
 Aigrain, Pierre 58
 Air, Seawater exchange 114
 Air analyzers 283
 Air cleaner 463, 511
 Air control system 358
 Air dryer, Coanda effect 487
 Air filter, Bacterial 264
 Air pollution analysis 404
 Air pollution, Apathy 593
 Air pollution control 133, 541
 Air pollution detector 113
 Air Quality act 133, 374
 Air quality indicator 601
 Air traffic control, SST 333
 Aircraft-bird collisions 26
 Aircraft checkout 164
 Airflow 168, 234
 Airworthiness standards 257
 Akiyama, Jiro 452
 Akililu, Lemma 317
 Albino gorilla 215
 Alcohol, Male birds 500
 Alcoholics, Diet 285
 Alcoholics, LSD cure 352
 Alcoholics, Stereotyped 355
 Alfalfa, Honeybees 195
 Alfvén, Hannes 64, 210
 Alignment instrument 263
 Allison, Robert D. 500
 Allott, Gordon 167, 301
 Alloy extrusion, Room-temperature 379
 Alpers, Michael 170
 Altman, Irwin 73
 Aluminum cans, Scrap 428
 Aluminum 26 548
 Alveolar thickening 280
 Amebiasis, Mistaken 90
 American Association for the Advancement of Science 4, 17, 18
 American Medical Association 579
 American Indian education 520
 Amphetamine, Action varies 10
 Amphetamines, High altitude 353
 Amplifiers, Etched-glass 69
 Amos, Bernard 92
 Anaerobic chamber 197
 Anderson, Clinton P. 136, 161
 Anderson, Jean H. 548
 Anemia, Sickle cell 12
 Anesthesiologists, Manikin 332
 Animal experiments 411
 Animals, Breeding wild 217
- Animals, Exploited 51
 Antarctic fallout 283
 Antarctic station, New Zealand 546
 Antelope 51
 Antenna tip test 369, 378
 Anthrasaur, England 601
 Anthropologists, CIA 182
 Anthropology, Africa 83
 Antibiotic residues 71, 544
 Antibiotics, Long-acting 380
 Antibodies, Schizophrenic 141
 Antideuteron 69
 Anti-evolution Arkansas 569
 Antigen trigger, Cancer 430
 Antigens, Transplants 90
 Anti-laser shield 48
 Antimatter theory 64
 Antimony, Magnetic test 424
 Antiskid devices 367
 Appetite, Amino acids 380
 Appliance timers 514
 Applied research 521
 Apollo Applications 471
 Apollo cabin changes 161
 Apollo fire 306, 373
 Apollo landing site 85
 Apollo moon program 159
 Apollo program, Budget 401
 Apollo program, Malfunctions 136
 Apollo systems integration 470
 Applications Technology Satellite 325, 379
 Aquanauts 304, 393, 408
 Aransas Refuge 592
 Arkansas anti-evolution law 569
 Arnason, Barry G. 472
 Arnon, Daniel I. 427
 Arp, Halton C. 111, 284
 Art works, Dated 284
 Arteries, Gas jet cleanout 71
 Arthritis, Infectious 157
 Artificial hand, Grasp control 405
 Artificial limbs 120
 Ashkin, Arthur 48
 Asian flu 236
 Astin, A. V. 259
 Astrahan, Morton M. 509
 Astron concept 450
 Astronauts, Quarantined 165
 Astronomy forecast 20
 Atkinson, Richard 407
 Atlantic continental shelf 77, 79
 Atlantic salmon 541, 601
 Atmospheres, Two-gas 136
 Atomic black market 470
 Atomic bomb, China 113
 Atomic fragmentation 484
 Atomic mining operation 445
 Atomic nucleus 424
 Atomic power 114, 209, 412
 Atomic tests, Tracks 183
 Atomic wastes, Storage 531
 Atomic weapons, Nonproliferation 401
 Atwood, J. Lee 446
 Austin, Carl F. 215
 Australia, Aboriginal remains 510
 Australia, CAT 36
 Australian optical telescope, 150-inch 475
 Australian radio heliograph 222
 Australian research grants 435
 Australasia, tektite fall 427
 Auto pollution control 133
 Autokinesis 498
 Automakers, Safety standards 36
 Automatic brake, Towed car 509
 Automobile, Electric 232, 338, 396
 Automobile collisions 158
 Automobile exhausts 162
 Automobiles, Safer 132
 Avalanche 84

B

- Aversion therapy, Heroin 458
 Ayre, J. Ernest 142
 Azuma, Ken 288
 Baarli, Johann 85
 Babies, Dysmature 547
 Babies, Premature 157, 571
 Babies, Toxoplasmosis 594
 Baby's blood, Changed in womb 139
 Bach-y-Rita, Paul 456
 Backpack system, Tracking 333
 Bacteria, Anaerobic 197
 Bacteria, Resistance transfer 543
 Bacterial air filter 264
 Bagenal, T. B. 357
 Bahnsen, Clau Bahne 411
 Baines, Daniel 207
 Baker, Charles O. 391
 Baker, Louis 259, 260
 Ball, Howard E. 19
 Ball lightning 324
 Ballester, Manuel 279
 Balomenos, Richard 246
 Baranov, V. I. 346
 Barboriak, Joseph J. 332
 Barkhausen, Heinrich B. 437
 Barnes, S. S. 334
 Barondes, Samuel H. 9
 Barrett, Charles S. 411
 Barrett, Richard 19
 Basilar membrane, 3-D movies 210
 Basque people 312
 Bath lift 24
 Bats, See target 25
 Batteries, Electric cars 339
 Batteries, Heat-resistant 166
 Battery charger, Portable 173
 Battery-testers 358
 Baum, William A. 37
 Bay, Christian 305
 Beaches, Vanishing 403
 Beals, Ralph 182
 Beauunes, Aurele 500
 Beck, Bertram M. 402
 Bedsore, Cured 380
 Bees, Brazil 235
 Behavioral research, Privacy 158
 Bello, Jake 119
 Benesch, Reinhold 311
 Benn, (Sir) Anthony Wedgwood 555
 Bennett, Ivan L. Jr. 479, 556
 Bergmann, Peter 144
 Berkner, L. V. 198
 Berkovits, Barouh V. 294
 Berlemon, Michel 120
 Berlin, Nathaniel I. 310
 Berlyne, Daniel E. 89
 Berne, Eric 309, 444
 Beszermenyi, Zoltan 572
 Beth, Richard A. 173
 Bethe, Hans A. 131
 Beuther, Harold 586
 Beveridge, John C. 356
 Bhüssy, Baldev Raj 92
 Biactive surgery 380
 Bilharzia 317
 Billboards, Reaction to 458
 Binder, Steven R. 259, 260
 Bing, Richard J. 12
 Bingham, Clifford R. 487
 Bio-barrier, Two-way 165
 Biochemistry kit 48
 Biocommunications 426
 Biological control systems 9, 426
 Biology, Information exchange 523
 Biology program, IBP 556
 Biomedical research 231, 478
 Biopioneers 61
 Biosatellite, Lost 191
 Birch, Herbert G. 44
 Bird migration, Air route hazards 245
 Birds, Imported 26
 Birkemeier, William P. 442
 Birth control, Catholic lands 411
 Birth control pills 117, 280, 350
 Birth control pills, Girls 473
 Birth control research 349
 Birth defect, Hyperplasia 117
 Birth defects 84
 Chemicals tested 483
 Birth series models 173
 Birth weight, Low 547
 Bison 51
 Bjerkness, J. A. B. 43
 Black markets 11
 Blackett, P. M. S. 11
 Blackstock, D. T. 164
 Bladder, Color TV 535
 Bladder cancer, Peeling technique 430
 Blair, John M. 302
 Blair, John W. 586
 Blanchard, J. Richard 535
 Blast furnace control 193
 Blatt, Joseph D. 333
 Blind, Sight through skin 456, 457
 Bliss, Eugene 9
 Bliss, Robert W. 254
 Blood, B. D. 566
 Blood, Changed before birth 139
 Blood cells, Mathematical analysis 588
 Blood glucose test kit 193
 Blood pressure control 365
 Bluestone, Charles C. 418
 Blumenthal, Herman T. 285
 Body, Sense of space 322
 Body chemistry 8
 Boeing 707, SST 31, 529
 Boltick, Fred C. 562
 Boll, Richard H. 313
 Bollworms, Sterile 316
 Bolton, John G. 111, 284
 Bondurant, Stuart 236
 Bone cancer, Strontium 85 250
 Bone growth, Teeth 281
 Book binder, Infrared 562
 Bookslinger, Paul 458
 Booster, Recoverable 48
 Booster recovery apparatus 415
 Borman, Frank 159, 373
 Borst, Lyle B. 424
 Boszormenyi, Zoltan 493
 Boulet, Lionel 490
 Bowen, Ira S. 381
 Bowles, R. E. 69
 Bowling pin, Metal 151
 Boyd, Alan S. 133, 449
 Brain, Chemical activity 400, 426, 549
 Brain, Malnutrition 307
 Brain, Stress affects 9
 Brain code, Caltech 118
 Brain drain 73, 75, 255, 281, 372
 Brain drain, British 510
 Brain drain, Japan 480
 Brain drain, Nuclear science 446
 Brain scans 62
 Brainard, Robert W. 140
 Brake device, Nonskid 367
 Brake lining gauge 24
 Brandt, Willy 183
 Branson, N. J. B. A. 331
 Brant, Henry 213
 Brazil, African bees 235
 Breast cancer, Radiation 250
 Breeder reactors 94, 360, 361
 Breeder reactors, Lithium control 343
 Breger, M. 94
 Carleton, W. M. 10
 Brennan, William E. 184
 Brett, Nicholas W. 538
 Brew, J. O. 447
 Brewer, G. Daniel 529
 Bridge slabs, Freeze-thaw test 466
 Bridge stress, Ice 522
 Briffa, F. E. J. 346
 Bright, Louis 406
 Brine mining 286
 Britain, Common Market 555
 British doctors, U.S. Exam 181
 British smoking 181
 British steel, Spraying 441, 454
 British technology 522
 Brodie, Bernard B. 8, 142
 Bromley, D. A. 134
 Brooks, Harvey 521
 Brosin, Henry W. 73
 Brower, W. S. 319
 Brown, Donald C. 356
 Brown, Lester R. 154
 Brown, Norman L. 154, 156, 252
- C
- CERN-USSR, High energy physics 427
 CPT theory 449
 Cabana, Portable 291
 Cable, Death-dealing 538
 Cable, Submarine 583
 Cable detector 100
 Cachos, Gilberto Boanos 353
 Cadaver transplants 92, 282
 Cahan, William G. 72
 Calabro, John J. 43
 Calculus, High school 246
 Calvert, Seymour 593
 Camera, Electronic 37
 Camera, Internal TV 418
 Canada, Hydroelectricity 150
 Canada, Nuclear power 114
 Canada, Satellites 358
 Canadian radio astronomers 544
 Cancer, Breast 250
 Cancer, Chemotherapy 168, 181
 Cancer, Child-bearing women 547
 Cancer, Elementary particles 85
 Cancer, Endometrial 413
 Cancer, Hypothalamus factor 523
 Cancer, Laser 47, 442
 Cancer, Viruses 332, 430, 448
 Cancer Atlas, WHO 318
 Cancer-causing radical 346
 Cancer cells 267, 310, 320, 351, 352, 430
 Cancer cure, FDA 142
 Cancer immunology 310
 Cancer research, International 574
 Cancer research, Japan 430
 Cancer vaccine 142, 157, 317
 Candau, Marcolino Gomes 481
 Canyon, Submarine 357
 Captan, Genetin effect 568
 Carbon broadcasts 593
 Carbon dioxide gas 601
 Carbone, Paul 190
 Carleton, W. M. 10
 Carlin, Alan 396
 Carlson, Harve J. 476
 Carlson, Robert J. 538
 Carpenter, Richard A. 335
 Carpenter, Scott 408
 Carrier, George 131
 Carrington, Richard 592
 Carruthers, George R. 496
 Cataract, Freezing 72
 Cat's brain, Learning 525
 Cells dividing 568
 Cement, Moon surface 226
 Central Arizona Project 135, 167, 303
 Central Intelligence Agency 182
 Centrifuge, Uranium separation 327
 Cepollina, Frank J. 247
 Ceramic powder, Mania control 355
 Cereals, Phosphate-treated 250
 Cereals, Vitamin-enriched 146
 Cerenkov radiation 345, 360



- Chafetz, Morris E. 355
 Chaffee, Roger B. 112
 Chagas, Carlos 58, 111
 Chalkboard, White glass 263
 Chandler, David C. 501
 Chandrasekhar, S. 43
 Chapman, Douglas G. 51
 Charged particle tracks 267
 Charpie, Robert A. 339
 Chavira, Enrique 94
 Chemical and biological warfare 185
 Chemical research tool 342
 Chemistry models 24
 Cherry trees, Reservoir 195
 Chewing gum, Sugarless 356
 Children, Adult diseases 43
 Children, War-injured 181
 Chile, Tsunami warning 541
 Chimps, Test flights 209
 China, Nuclear weapons 32, 113
 Chinnatamby, Siva 411
 Chitayat, Anwar K. 219
 Chloride ion determiner 291
 Chlorophyll, Space dust 113
 Chodoff, Paul 88, 178, 490
 Christofilos, Nicholas C. 450
 Chromosome pattern XYY 258
 Chromosomes, LSD 312, 518
 Churchill, Frank E. 538
 Cigarette labels 71
 Cigarettes, Fluidic control 535
 Cigarettes, Safer 448
 Cinchonas 302
 Circadian rhythms 10, 12
 Circle cutter 342
 Cities, Health risks 522
 Cities, Systems analysis 216
 City pupils, Bussing 355
 Clapier, Genung L. 214
 Clark, Kenneth E. 158
 Clarke, Melville 331
 Clear-air turbulence 36
 Climate control, Russia 423
 Clinical laboratories 161
 Clomid 181
 Clynes, Manfred 426
 Cobalt drugs, Banned 90
 Cobalt 60, Weevils 93
 Cohen, Alan 402
 Cohen, David 475
 Cohen, Maimon 312, 518
 Cold, Canned 59
 Cold viruses, New strains 472
 Coleman, James S. 458
 Colleges, Computer services 327
 Collins, Carter 456
 Collision computer 132
 Color perception 573
 Color TV, Inside body 535
 Color TV, Land's 391
 Colorado dam 395
 Colorado River Basin Plan 135, 167
 Comet, 1963's Ninth 548
 Comet, Synthetic 402
 Comet Tuttle 63
 Comet Wild 192
 Comets, 17 Periodic 63
 Commerce, Appointments to Dept. 545
 Community Action Programs 182
 Computer, Picture contrast 412
 Computer-assisted instruction 406
 Computer diagnosis, Brain tumors 558
 Computer movies, 3-D 210
 Computer printer 583
 Computer speed-up 509
 Computerized educational package 312
 Computerized problems 19
 Computers, Campus 326
 Computers, Color memory 404
 Computers, Federal income taxes 247
 Computers, Information leaks 532
 Computers, Magnetic domains 436
 Computers, Speech recognition 214
 Computers, Stethoscope 358
 Comsat, 8-in-1 93
 Concentration computer 173
 Concorde 298, 449
 Conditioned reflex 498
 Condor, California 300
 Congress, Forecast foresight 301
 Connell, James C. 258
 Connes, Pierre, 350, 381, 384
 Construction industry 40
 Consumer, Elderly 101
 Continental drift 399
 Continental shelf, Gold 476
 Continental shelf, Resources 78
 Continental shelf, Sea Law 474
 Contour maps 39
 Contraceptive pill mechanism 280
 Contraceptive research 350
 Contraceptives, Minidose 117, 349
 Cooling diesel locomotives 509
 Cooling system, Hydroxyl 76
 Cook, Allan 348
 Cooper, Brian 531
 Cooper, Irving S. 72, 285
 Cooper, Robert W. 217
 Cope, Oliver 250
 Copeland John A. 284
 Copy printer 342
 Cord, Tie-down 600
 Cordless drill 24
 Corduroy road 59
 Cores, Prototype 361
 Corfman, Phillip A. 116
 Corona de Rosal, Alfonso 510
 Coronary patients 117, 411
 Corrosion prevention 404
 Cosmic ice 284
 Cosmic radiation, South Pacific 524
 Cosmic ray tracks 266, 450
 Cosmological theory 64
 Cosmonaut Komarov 421
 Cosmos satellites 247, 421
 Cosmotron, Nuclear fragments 484
 Cosmotron, 3-Bev 199
 Coughing, Zero gravity 306
 Coulter, Harold K. 439
 Cramen, John P. 474
 Cows, TB from owner 71
 Crab Nebula 330, 592
 Cragoe, Edward J. 415
 Craig, George 567
 Craven, Philip K. 531
 Cryogenic detector 328
 Cryophake 72
 Cryoquenching 442
 Cryosurgery 72, 285
 Cummings, William C. 316
 Cunningham, Walter 112
 Cutting tool 244
 Cup crystals 108
 Cybernetics, Russia 140
 Cyclamates, Birth defects 139
 Cyclones, Twin 423
- D
- DDT residues, Wildlife 501
 DMSO, Liver damage 523
 Daddario, Emilio Q. 21, 93, 301, 557
 Daines, Robert 6
 Dams, Colorado River 135, 395
 Dams, Side effects 301
 Darley, E. F. 476
 Data bank, Multi-state 572
 Dating, Igneous rocks 524
 Dautrich, Fred 213
 Davies, Robert E. 306
 Davydov, Boris 63
 Dawn horse 372
 Dead sea, Underwater 218
 Deaths, Sudden 90
 DeBano, Leonard F. 334
 deBolnay, Andre 58
 Deep-sea communications 408
 Deep-sea iron layer 182
 Deep-sea research, Law 474
 Deep submergence rescue 286
 Deepstar probe 218
 Deepstars, Graduate 470, 546
 De Gaulle, Charles 184
 DeGroot, Ido 593
 Dehydration deaths, Mexico 558
 de Leon, Alberto P. 521
 Delinquency, Marriage 73
 Delinquency, Middle-class 236
 Delinquents, Community 659
 Demand pacemaker 294
 Demikhov, Vladimir P. 181, 282
 Dengue fever 157, 477
 Dental research 102, 231
 Dentists, Check diabetes 477
- E
- ELDO 544, 555
 ESP test, Russia 118
 ESR satellite 544
 ESSA, Programs 135, 215
 Earl, James A. 263
 Earthquake, Man-made 334, 377
 Earthquake, San Andreas fault 235, 550
 Earthquakes, Sun and moon 403
 Earth's age 346
 Earth's crust 399
 Earth's halo effect 94
 Earth's magnetic field reversal 399, 427
 Earth's mantle 334, 399
 Earth's wake, Cigar-shaped 427
 Eberhard, John 41
 Ebert, James D. 259
- Eccles, Peter 158
 Eclipse, Solar, from Australian still 501
 Desalination, Hollow fibers 519
 Desalination machine 562
 Desalination plants 114, 132
 de Seversky, A. P. 463
 de Vaucouleurs, Gerard 198
 Developing countries, Food 11, 18
 Contraceptives, Scientific toys 111
 DeVita, Vincent 190
 DiChiro, Giovanni 571
 Diabetic screening 477
 Diamonds, Hexagonal 226
 Dibblers, Breeding 531
 Dickie, Robert H. 144, 160
 Dicumarol 382
 Diesch, S. L. 405
 Dietz, Robert 601
 Dilantin 547
 Dirac, P. A. M. 69
 Dispenser, Hot drink 263
 Dispensing syringe set 534
 Display, Fast-changing 586
 Diuretics, Potassium-retaining 415
 Divers, Safety 474
 Divers, Telephone 403
 Diving platform, Trampoline 343
 Dixon, Paul Rand 71
 Dobbing, John 307
 Dobzhansky, Theodosius 44
 Doctor's orders, Not taken 90
 Dog, Revived 547
 Dog biscuits 281
 Dogs, Iron ore 357
 Dollfus, Audouin 33, 198
 Domain walls, Computers 436
 Dominy, Floyd E. 433
 Donaldson, R. J. 522
 Dopamine, X-ray protection 117
 Doxiadis, Constantinos 519
 Draft, Science students 256, 372
 Draft changes 422, 470
 Draft deferments 256, 470, 546
 Drug control 58, 184, 232
 Drug addicts, Therapy 458
 Drug metabolism 521
 Drug prices 206, 494
 Drug quality, FDA 139, 206, 382
 Drug resistance, Multiple 543
 Drug testing, Human 142
 Drug use, Campus 322
 Drugs, Anti-confusion 547
 Drugs, Circadian rhythms 10
 Drugs, Comparative data 207
 Drugs, Generic 206, 382, 494
 Drugs, WHO regulations 566
 Drum opener 122
 Drunk-driving 118
 Dubois, Rene 231
 Duchesne-Guillemain, M. 400
 Dullberg, Eberhard 442
 Duncan, Gordon W. 350
 Dunifer, Gerald 346
 Dunn, Dorothy F. 42
 Dust storms, Reverse electric field 475
- F
- ELDO 544, 555
 ESP test, Russia 118
 ESR satellite 544
 ESSA, Programs 135, 215
 Earl, James A. 263
 Earthquake, Man-made 334, 377
 Earthquake, San Andreas fault 235, 550
 Earthquakes, Sun and moon 403
 Earth's age 346
 Earth's crust 399
 Earth's halo effect 94
 Earth's magnetic field reversal 399, 427
 Earth's mantle 334, 399
 Earth's wake, Cigar-shaped 427
 Eberhard, John 41
 Ebert, James D. 259
- G
- Families, Therapy 246
 Fan, George L. 219
 Fano, Robert M. 532
 Farber, Sidney 311
 Fear, Conquered 216
 Federal R&D spending 40
 Federal salaries 375
 Federov, E. K. 423
 Feibelman, Walter A. 518
 Feiffer cartoon 308
 Fellgett, Peter 350, 384
 Fenn, John B. 210
 Fenz, Walter D. 216
 Ferri, Antonio 173
 Ferris, James P. 404
 Fertility, Urban life 27
 Fertility drug 181
 Feynman, Richard P. 287
 Fiber filter, Irrigated 215
 Fiber optics, Heart studies 356
 Fiber optics, Laser 442
 Field Effect Monitor 418
 Film reader 390
 Filter monitor 122
 Findlay, John W. 304, 548
 Finley, R. Ray 293
 Finn, Sidney B. 103, 356
 Finney, Thomas 232
 Fish, Decline 235
 Fish, Dye-marking 357
 Fish, Sharp-eyed 182
 Fish behavior, Water quality 429
 Fish hearing 404
 Fish protein concentrate 138, 156
 Fish school structure 403
 Fisher, Michael S. 24
 Fission-track dating 266
 Fissionable material control 446, 470
 Flammable Fabrics Act 157
 Flies, roaches, Cyclic control 12
 Flood, Daniel J. 447
 Florida sinkholes 520
 Fluid accelerator, High velocity 173
 Fluidics 53, 69, 70
 Fluidics, Cigarettes 535
 Fly factory 238
 Flying foxes, Tracked 114
 Flying saucer, Commuting 453
 Foehn 483
 Fog 590
 Fogarty, John E. 230, 478
 Food and Drug Administration 91
 Food for Peace Act 18
 Food from the sea 154
 Foods, Fortified 146
 Foods, Natural poisons 500
 Ford, Joseph L. 193
 Foreign aid, Reverse 75
 Foreign policy, Automated 19
 Form and function 8, 41
 Forrest, Tess 246
 Fossil remains, Africa 83
 Fountain, L. H. 473, 546
 Fowler, Howard S. 234
 Fowler, William A. 131
 Fox, Charles L. Jr. 363
 Fox, Donald 168
 France, Fourth satellite 166
 Frankel, Charles 255
 Freedman, Samuel 547
 Freezing, Intranasal 418
 Freon-based power stations 428
 Frescura, Eugenio 509
 Freshmen norms compiled 73
 Freiston, J. W. 523
 Freud, Sigmund 81, 88
 Freudian concepts 88, 178
 Freymann, Robert 11
 Fried, Morton H. 44
 Friedlander, Gerhart 484
 Friedman, Herbert 10, 496, 504
 Friends, Everyone linked by five 525
 Froesch, William A. 518
 Frostbite treatment 362
 Explosive tape, Flexible 562
 Fruit harvester, Airblast 343
 Eye growth, Amino acids 523
 Eye pupils, Enlarged 549
 Eye surgery, Sound, cold 72
 Eyring, Henry 43
 Ezaki, Leona 480
- F
- FASE 265
 FM transceiver, Smallest 466
 Facsimile transmission, Library 535
 Fahey, John 310
 Falkow, Stanley 543
 Fallout, Australia 582
 Fallout, Long-term 283
- G
- GHOST balloons 113, 442
 Gadusek, D. Carleton 170
 Gaetano, Frank 378

- Galaxies, Young 381
 Gallagher, Cornelius E. 57
 Games people play 308
 Gamma rays, Moon surface 475
 Gannet 204
 Ganit, W. Horsley 498
 Garbage, Collecting 150
 Gardner, Alvin F. 103
 Gardner, John W. 133, 182, 447, 479
 Garrett, Geoffrey J. 424
 Gas, Cometary origin 284
 Gas chromatograph programmer 151
 Gas detector 600
 Gates, Arthur 145, 254
 Gates, Robert D. 303
 Gaudry, Roger 490
 Gay, Carlo T. E. 411
 Gear tester 486
 Gehrig, Leo J. 469
 Gell-Mann, Murray 115, 160, 287
 Gemini 11 camera 450
 Gene control mechanism 569
 Generic drugs 206, 382, 494
 Genetic potential, Human 44
 Gent, H. 226
 Gentamicin 549
 Geological Survey, Research 264
 Geothermal power, Russia 476
 Germanium integrated circuits 191
 Gershonowitz, Harold 286
 Gervais, Robert L. 466
 Gessner, T. 285
 Ghana, Science policy 460
 Ghiorso, Albert 257, 319
 Gibbs, Clarence J. 170
 Gibson, Ralph M. 73
 Gilbert, Walter 569
 Gill, Fred 543
 Gillespie, John F. 356
 Gillooly, William B. 145
 Giltrow, J. P. 588
 Gingras, Gustave 121
 Ginsberg, Benson E. 44
 Glaciers, Rapid movement 601
 Glass-fiber plastic wings 428
 Glass-filled plastics 391
 Glass submarines 240
 Glennan, T. Keith 199
 Glickman, Franklin S. 571
 Glue, Underwater 379
 Glucksberg, Sam 216
 Goddard, James L. 91, 146, 207, 382, 494
 Golbranson, Frank L. 120
 Gold, Thomas 198
 Gold, platinum, Subsea 476
 Gold halides 379
 Gold mining, Lagging 357
 Gold prospectors 541
 Goldberg, Leo 593
 Golden, John 19
 Goldenberg, H. Marks 144
 Goldhaber, Gerson 115
 Goldhaber, Paul 332
 Goldman, Allen S. 117
 Goldman, Leon 47, 90
 Goldman, Ronald 549
 Goldreich, Peter 548
 Goldzieher, Joseph W. 139
 Golf club cleaner 173
 Golf swing improver 486
 Gomberg, William 312
 Gondwana Land 601
 Goodman, Martin 262
 Googin, John Melvin 331
 Gordon, Paul 547
 Gordon, Richard 319
 Gorilla babies 201, 217
 Goss, Floyd L. 303, 395
 Government employees, Personality tests 351
 Government research policies 58
 Gower, J. F. R. 331
 Grainger, Robert 103
 Grand Canyon controversy 135, 167, 302, 303
 Grau, C. R. 523
 Green, Colin 510
 Graphite tape 48
 Gravitation, Bending of light 144
 Gravity measurement 94
 Gray, C. W. 217
 Great Lakes, Water quality 476
 Green, Richard S. 6
 Gregory, Bernard 451
 Griffiths, Ivor 552
 Grissom, Virgil 112
 Grote, Michael 389
 Ground water 235
 Group psychotherapy 246, 312
 Guertin, Robert P. 346
- Guggenheim, Paul 451
 Gulf stream research 286
 Gulick, J. W. 591
 Gum diseases 332
 Guyer, Gordon E. 334
 Gvishiani, Dzherman M. 58
- H**
 HR 8494 star 94
 Haddad, William H. 495
 Hagan, Richard C. 502
 Hahn, E. L. 450
 Haig, David 169
 Halberg, Franz 10
 Halide extraction, Gold 379
 Hall, John 37
 Hall, Robert E. 527
 Hall effect regulator 514
 Hallert, Bertil 38
 Hallucinogens, Laws 118
 Halogen analyzer 63
 Halstead, Bruce W. 218
 Hamilton, William J. III 26
 Hammerschmidt, Harold 367
 Hand, Electromechanical 405
 Hanington, Edda 549
 Hanneman, R. E. 226
 Hapke, Bruce 226
 Harada, Naohiko 430
 Hardy, Arthur C. 226
 Hardwick, Curtis D. 42
 Harper, Alfred E. 380
 Harper, James G. 193
 Harrell, David 304
 Harrington, C. R. 510
 Harris, D. H. 250
 Harris, D. J. 475
 Harris, Fred R. 160, 231
 Harris, James E. 280
 Harris, Robert 103, 356
 Harris, Stephen E. 586
 Hart, Philip A. 117, 161, 302
 Hartroft, W. Stanley 285
 Harvard Project Physics 27
 Haskins, Caryl P. 17
 Hawkins, Gerald S. 573
 Hay, Allan S. 244
 Haynes, N. Bruce 71
 Haythorn, William W. 73
 Hawgood, Oliver G. 487
 Head Start expansion 158
 Headrest, Anti-whiplash 343
 Health gap, International 481
 Health services research 229
 Hearing defect, Surgery 458
 Heart, Magnetic field 475
 Heart attacks, Gas jet 71
 Heart-care units 236
 Heart damage, Red rabbits 477
 Heart pacemakers 294
 Heart patients 411
 Heart rhythm, Abnormalities 90
 Heart valve, Trileaflet 356
 Heat battery 24
 Heath, Robert G. 141
 Heavy element formation 131
 Heezen, Bruce C. 427
 Hein, John 102
 Heinrich, Elmer G. 313
 Heinze, Bennie 122
 Helicopter flight, Trans-Atlantic 583
 Helicopters, Icing hazards 59
 Helicopters, Refueling 164
 Helicopters UH-1 114
 Helium 7 427
 Helium 8 485
 Helium near zero 424
 Hellman, Louis M. 116
 Henefer, Edward P. 281
 Henize, Karl G. 319
 Henry, Allan F. 331
 Henry, David Dickinson 281
 Hensala, John D. 572
 Hepacone 356
 Hepatitis, Single form 11
 Hepatitis, Two kinds 477
 Herbicide simazine 215
 Heredity, Enzymes 36
 Hernia patients, Active 405
 Heroin cure, Methadone 116
 Herrmann, Cyril 458
 Hertz, Roy 413
 Herzfeld, Charles M. 565
 Hicks, Robert A. 549
 Higgins, George A. 157
 Higginson, John 574
 High energy physics 160
 High-voltage vacuum tube 291
 Hilgard, Ernest R. 42, 423
 Hill, Lister 208
 Hill, Malcolm C. 90
 Hines, James L. R. 514
 Hitchcock, Dian R. 384, 398
 Hitches, Handy 48
 Hoagland, Hudson 141, 231
- Hodgkin's disease, Treatment 190
 Hodoscope, Balloon-borne 263
 Hodosh, Milton 117
 Hoefs, Jochen 264
 Hoffer, Arthur L. 463
 Hoke, John 398
 Hollifield, Chet 336, 469
 Holloman, J. Herbert 545
 Holograms, Copied 226
 Holograms, Fog 428
 Holton, Gerald 27
 Home in space, Three-winged 122
 Hominooids 83
 Homogenizer, Multi-mix 122
 Honduras, Mental health 42
 Honeybees, Alfalfa 195
 Hopping, R. L. 48
 Hormone, Hypothalamus 400
 Hormone injections 10
 Hormone insecticide 329
 Hormone output, Male 311
 Hormones, Femininity 413
 Horne, Walter B. 59
 Hornig, Donald F. 58, 109, 133, 159, 183, 281, 301, 326, 348
 Horvath, Robert A. 367
 Hospital, Mobile 435
 Howe, Dwight S. 343
 Huang, W. H. 267
 Huebner, Robert J. 448
 Hufnagel, Charles A. 356
 Huggins, Charles B. 237
 Hughes, Thomas L. 160
 Human behavior, Evolution 472
 Human species 44
 Humidity, Instant 244
 Humphrey, Hubert H. 259, 262, 277, 401
 Humphrey, Richard A. 281
 Humphries, D. W. 59
 Hunt, C. Halsey 75
 Hunter, Jack A. 132
 Hurricanes, Generation of 2
 Hutchins, Carleen Maley 212
 Hyaline membrane disease 157, 547
 Hyde, Earl K. 485
 Hydro-Quebec 490
 Hydrogen, Liquid form 134
 Hydrogen sensor 462
 Hydrogen bomb, China 32
 Hydrogen plasma, Comet 402
 Hydrogen sulfide 115
 Hydrographic survey ships 258
 Hydronauts, Trained 286
 Hyperbaric pressure, Sickle cell anemia 12
 Hypersonic fuel cooler 538
 Hypersonic transport 583
 Hypersonic transport, Test tank 583
 Hypertension, Dial control 365
 Hypothalamus 349, 523, 400
- I**
 IAEA inspection 446, 470
 IBP, Fields of study 556
 I.Q., Earliest clues 73
 I.Q., Linked to genes 458
 ITA 145, 300, 390, 542
 IUD, Double coil 350
 IUD action 500
 IUD safety 116
 Ice force, Bridge piers 522
 Ice polish 283
 Ice-watch, Air-borne 63
 Ikura, Fusairo 430
 Illnesses, Hidden 522
 Illumination meter 173
 Illusions, Jet pilots 370
 Image tubes 37
 Immune system, Human 310
 Impact recorder 511
 Incinerators, Smokeless 403
 Indian pipe 243, 395, 468
 Indian skyscraper 247
 Indians, Education 520
 Indium, Alloys 346
 Indium nucleus 284
 Industrial teaching aid 151
 Industry, Pollution 6
 Infection, Sub-viral 169
 Influenza, Animal infections 461
 Infrared astronomy 381, 384
 Infrared scan telescope 350
 Infrared signatures 333
 Infrared thermometer 151
 Infusion guard, Intravenous 263
 Initial Teaching Alphabet 145, 300, 390, 542
- Insect control, Diseases 567
 Insect pest, Florida 215
 Insect pest control 10, 334
 Insect sex perfumes 235
 Insecticides, Biological 329
 Insects, Sterilizing 439
 Integration, Public schools 185
 Instant fu-fu 430
 Instrument oiler, Pen-type 244
 Intelligence, Artificial 343
 Intelligence, Environment 549
 Intelligence, Heredity-linked 458
 Intense Neutron Generator 490
 Internal Revenue, Computerized 247
 International Atomic Energy Agency 446, 470
 International Biological Program 115, 285, 556
 International Cancer Research Agency 574
 International Hydrological Decade 500
 International Science Fair 452
 Interns, Foreign 75
 Interplanetary dust, Heat 588
 Interstellar space dust 113
 Intertropical Convergence Zone 2
 Intrauterine devices 2
 Interventions, Pre-tested 495
 Inventiveness 216
 Ioniom, dating, Volcanic rocks 524
 Iremonger, T. L. 73
 Iron ore, Dogs sniff 357
 Irrigation control device 313
 Irwin, Samuel 518
 Irwin-Williams, Cynthia 447
 Isbey, Edward K. Jr. 161
 Islands, Man-made for SST 428
 Ives, Margaret 351
- J**
 Jack-in-the-pulpit 444
 Jackson, Caroline 413
 Jackson, Henry M. 167
 Jackson, Liam R. 538
 Jacob, Francois 569
 Jacobson, Dorothy H. 18, 154
 Jaffe, Leonard 517
 Jamieson, T. J. K. 582
 Janowitz, Julian F. 322
 Janus, Saturn's 131, 518
 Japan, Life expectancy 599
 Japan, Long-line fishing 597
 Japan, Metrics 288
 Japan, Shipbuilding 580, 581
- K**
 Jack-in-the-pulpit 444
 Jackson, Caroline 413
 Jackson, Henry M. 167
 Jackson, Liam R. 538
 Jacob, Francois 569
 Jacobson, Dorothy H. 18, 154
 Jaffe, Leonard 517
 Jamieson, T. J. K. 582
 Janowitz, Julian F. 322
 Janus, Saturn's 131, 518
 Japan, Life expectancy 599
 Japan, Long-line fishing 597
 Japan, Metrics 288
 Japan, Shipbuilding 580, 581
- L**
 LSD, Chromosomes 312, 518
 LSD for sociopaths 352
 LSD manufacture 118
 LSD users, Habitual 572
 Laboratory arm, Flexible 559
 Laboratory grinder 313
 Laboratory tests, Medical 161
 Jet engine, QUIET 209, 298
 Jet fuel, GELATINLIKE 412
 Jet lag, MARVIN 568
- Lake Ontario 115
 Lallemand, Andre 37
 Lally, Vincent E. 113
 Lam, Richard E. 140
 Lancaster, Jane 572
 Lance, J. W. 497
 Land, Edwin H. 140, 391
 Land fills, Coagulated 391
 Landau, Lev 346
 Lane, Edward J. 439
 Lance-Brown, Malcolm 318
 Langley, Samuel P. 4
 Langmuir, George 349, 473
 Larynx, Restoration 86
- Larynx transplanted, Animals 380
 Laser, Birthmarks 90
 Laser, Tumors 47, 442
 Laser, Underwater 490
 Laser bursts, Short 450
 Laser electronics 428
 Laser filter set 534
 Laser modulation 48, 233
 Laser photographs 279
 Laser pump, Solid state 463
 Laserphones, Portable 132
 Latin America, Birth control 411
 Latin America, Nuclear-free 184
 Latin American research 401
 Lau, Ben H. S. 477
 Laughlin, William S. 44
 Lava, Drilling molten 357
 Lawrence Memorial Award 567

- Leader, Robert W. 169
 Leakey, Louis S. B. 83, 188
 Learning, (CAI) 406
 Learning, Cat's brain 525
 Learning, RNA hypothesis 9
 Learning disability,
 Hereditary 411
 Lederman, Leon 192
 Lee, Philip R. 236
 Leeman, Susan 400
 Legal aid, Public welfare 355
 Lehmann, Heinz 575
 Lehr, Herndon B. 92
 Leiss, J. E. 259
 Leizer, Ray 121
 Lens, Wide-angle 100
 Leonard, James H. 573
 Leopold, Luna B. 302
 Leprosy vaccine 521
 Leptospirosis, Human 405
 Lesch-Nyhan disease 380
 Leukemia, Human to animals 311
 Leukemia, Viral 71, 174, 405, 448
 Levine, Louis S. 312
 Levine, Morton H. 312
 Lew, Hyok Sang 588
 Libido theory 89
 Library facsimile reproducers 535
 Librium 232
 Life, Formation of 404
 Light for boats 291
 Light converter, FM to AM 586
 Lightning, Petrified 276
 Lillenthal, Bernard 356
 Lindberg, Robert B. 363
 Lindenbaum, S. J. 163
 Lintron 412
 Linsley, Seymour 24
 Lipid mobilizer 376
 Lipmann, Fritz A. 43
 Liquid, Volume viscosity 588
 Liquid hydrogen 529
 Liquid oxygen, Tanks 209
 Lisk, Robert D. 355
 Lithium 7 32
 Lithium 11 485
 Lithium, Manic-depression 355, 575
 Liver damage, Protein-deficiency 285
 Loading computer 333
 Long, Edward V. 278, 495
 Long, Franklin A. 159
 Long, Russell 207, 382, 494
 Longevity, Claims inflated 458
 Lopata, Walter 86
 Lorenz, Konrad 472
 Louria, Donald B. 118
 Love, John A. 526
 Lovell, (Sir) Bernard 450
 Low, Frank J. 134, 385
 Low, M. J. D. 113
 Lown, Bernard 90
 Lucas, Linda S. 71
 Lucey, Jerold 571
 Lummis, Robert C. 210
 Luna 10 report 475
 Lunar landing vehicle 283
 Lunar Orbiters 85, 191
 Lunar Receiving Laboratory 165
 Lunar rocks, Rounded 517
 Lunar trench 497
 Lunar astronomical almanac 163
 Lung cancer, Uranium miners 469
 Lung surgery 157
 Lutwak, Leo 159
 Luyten, William J. 450, 548
 Lyman, Henry 121
- M**
- MAPCAT 247
 MHD pulse generator 487
 MIFS system 350, 381
 MPD arc thruster 298
 MPD generator 265
 Machine translation 265
 Machurek, Joseph E. 99
 Macuch, Pavel 522
 Maddison, D. C. 322
 Madri, Peter 501
 Magnetic bottle progress 450
 Magnetic field, Earth's 399
 Magnetic field, Wedge-shaped 173
 Magnetic fields, Megagauss 331
 Magnetic plastics 279
 Magnetic retriever 486
 Magnetic stirrer 366
 Magnetic survey, Aerial 475
 Magnetocardiograms 475
 Magnetosphere 427
 Magnuson, Warren G. 71, 86, 157
 Mahler, R. J. 284
 Maiman, Theodore 47
 Major, Robert 58
 Makejeva, Olga 526
 Makow, David 62
 Malaria drug, THHP 405
 Male hormones 311
 Malina, Frank J. 58
 Man, Ancient remains 510
 Man, Ascendant 177, 188
 Man, New World 447
 Mandel, H. George 521
 Manganese nodules 316, 334
 Mangin, William 322
 Manic-depressives, Lithium 355, 575
 Mansfield, Mike 33
 Maolao 250
 Mapping, Stereo 379
 Marginal Terrain Vehicle, International standard 461
 Mars, Ground-based observations 250
 Mars, Nuclear rocket 336
 Mars data, Refined 198
 Marshak, Robert E. 287
 Mariner 5 354
 Marmor, Judd 175
 Marmosets, Research 182
 Mars, Observations 250
 Mars, Nuclear rocket 336
 Mars data, Refined 198
 Mason, Roy 244
 Mass transportation 93
 Mastodon jaw 447
 Mather, W. B. Jr. 164
 Mathiasen, Geneva 250
 Matisoo, Juri 391
 Matsuo, Shinichiro 64
 Matter and antimatter 475
 Matthias, B. T. 122
 Maynard, Owen E. 59
 Maynard, Ralph T. 509
 Martin, Wayne 287
 Monocolor colorcasting 353
 Monroney, A. S. Mike. 86, 301
 Montague, Eleanor D. 250
 Montgomery, Warren W. 86
 Montoya, Joseph M. 206, 382, 494
 Moon, New data 7
 Moon, Volcanoes 7, 113
 Moon dirt 425
 Moon hopper 166, 249, 269
 Moon landing sites 517
 Moon samples 165, 298, 352, 376
 Moon surface gauge 93
 Moon vehicles 269, 270
 Moonquakes, Man-made 45
 Moore, A. D. 468
 Moore, B. P. 334
 Moore, J. Cordell 162
 Morash, N. 215
 Morrice, K. W. 494
 Morris, Aileen 457
 Moses, Henry 280
 Mosquitoes 477, 567
 Moyer, Carl A. 363
 Mueller, George E. 137
 Mulders, Gerard F. W. 37
 Multiple sclerosis 285, 472
 Multiplex interferometric spectrometry 350, 384
 Mummies' teeth 280
 Murayama, Makio 12
 Murdock, Lawrence C. 415
 Murray, B. C. 198
 Muscle pain relief 250
 Muscle technique 562
 Muscular imbalance 405
 Music, Babylonian 400
 Muskie, Edmund S. 21, 133, 182, 301, 374
 Myambutol ethambutol 418
- N**
- NASA budget 110, 496
 NASA International 576, 577
 NASA Ph.D.s 495
 NIH-PHS 479
 NIH research 478
 NORAD tracking 421
 NSF appropriation 519
 Nace, Raymond L. 447, 519
 Meson factory 231
 Metabolism, In space 159
 Metagalaxy, Average density 64
 Metals, Electrical properties 319
 Methadone, Addict cure 116
 Metric bill 191, 208
 Metric measurement 87
 Metric system, Japan 273, 288
 Mexican heat waves 558
 Mexican marine center 501
 Meyer, Hans J. 138
 Meyer, K. F. 157
 Meyers, John A. 228
 Micro-plants, Protein-rich 40
 Micro-surface evaluator 151
 Microphone-earphone 313
 Microquakes 403
 Microscope, Dual viewing 313
 Microscope eyepiece 59
 Microwave dryer 582
 Microwave power 358
 Microwave transmission 442
 Mid-Atlantic Ridge Probe 351
 Middlehurst, Barbara M. 113
 Migraine headache, Children 43
 Migraines, Induced 497
 Migraines, Source of 549
 Mikhailev, V. 535
 Milgram, Stanley 525
 Military container, All-purpose 247
 Military radio 209
 Milk, Antibiotic residues 71
 Milky Way 113, 496
 Miller, Arthur R. 278
 Miller, George P. 136, 191, 446
 Miller, J. N. 484
 Millimeter waves 284
 Millis, John S. 579
 Mills, Wilbur 285
 Mills, William J. 362
 Milnor, John W. 43
 Miltown, FDA 184, 402
 Mine, Shotgun effect 538
 Miners' asthma 521
 Miners' mask 469
 Minimal brain dysfunction 411
 Minisub, Two-man 466
 Minuteman, Four-stage 298
 Missile, Wire-guided 247
 Missile, defense 57, 565
 Mitchell, Jesse 60
 Mizuno, Denichi 430
 Modlin, Herbert C. 158
 Molettron 210
 Molle, Paul S. 453
 Mollo-Christensen, Erik 541
 Molybdates, Dielectric constants 319
 Mondale, Walter F. 75
 Monkeys, Signal emotions 572
 Monoamine oxidase 500, 549
 Monocolor colorcasting 353
 Monroney, A. S. Mike. 86, 301
 Montague, Eleanor D. 250
 Montgomery, Warren W. 86
 Montoya, Joseph M. 206, 382, 494
 Moon, New data 7
 Moon, Volcanoes 7, 113
 Moon dirt 425
 Moon hopper 166, 249, 269
 Moon landing sites 517
 Moon samples 165, 298, 352, 376
 Moon surface gauge 93
 Moon vehicles 269, 270
 Moonquakes, Man-made 45
 Moore, A. D. 468
 Moore, B. P. 334
 Moore, J. Cordell 162
 Morash, N. 215
 Morrice, K. W. 494
 Morris, Aileen 457
 Moses, Henry 280
 Mosquitoes 477, 567
 Moyer, Carl A. 363
 Mueller, George E. 137
 Mulders, Gerard F. W. 37
 Multiple sclerosis 285, 472
 Multiplex interferometric spectrometry 350, 384
 Mummies' teeth 280
 Murayama, Makio 12
 Murdock, Lawrence C. 415
 Murray, B. C. 198
 Muscle pain relief 250
 Muscle technique 562
 Muscular imbalance 405
 Music, Babylonian 400
 Muskie, Edmund S. 21, 133, 182, 301, 374
 Myambutol ethambutol 418
- O**
- OAO-2 499, 505
 OSOs 247, 283
 OSSA 60, 61
 Oatman, Earl R. 316
 Obeng, Letitia 595
 Obscene telephone calls 490
 O'Callaghan, Fred-erick G. 319
 O'Kelley, G. Davis 376
 Ocean bottom 78, 474, 501, 601
 Ocean bottom communities 215
 Ocean bottom equipment 235, 277, 408
 Ocean Buoy System 34, 35
 Ocean environment 304
 Ocean-monitoring system 415
 Ocean research, ESSA 425
 Oceanographer 351
 Oceanography 63, 277
 Oceans, Engineers 304
 Oceans, Polluted 476
 Octopus, Chemicals in 500
 Oda, Minoru 330
 Office of Science and Technology 326
 Oh, Sung Ki 235
 Oil, Floating 328
 Oil diffusion pump 438
 Oil prospecting, Fluorescence 122
 Oil shale, Electrically fractured 403
 Oil slick, Straw cleans 429
 Oil slick removal barge 439
 Okukwu, Emeka 461
 Okamoto, Hajime 430
 Oke, J. B. 381
- P**
- PAGEOS satellite 61
 Page, Robert M. 58
 Paige, Hilliard W. 113
 Pain, High level process 423
 Pain, Low back 405
 Pain-deterrent noise 370
 Pain killers, Kidney disease 116
 Paint, Rust remover 122
 Palmer, S. Patrick 593
 Panchen, A. L. 601
 Paper-drying machine 582
 Parachutists, Anxiety 216
 Pardee, Arthur E. Jr. 123
 Parents, Youth rebelling 236
 Parker, Eugene N. 113
 Parker, W. H. 210
 Parks, Ronald D. 346
 Particle physics 115, 131, 160
 Particle theory, New approach 131
 Partridge, Frank 117
 Partridge, R. B. 381
 Parvin, Robert 228
 Passmore, Jack 72
 Pastore, John O. 336
 Patee, Howard H. 36
 Patent reform 208, 495, 568
 Patent treaty, BIRPI 567
 Patents, Federal research 305
 Patents, Senate Sub-committee 114
 Patient consent rules 311
 Patterson, Bradley H. 256
 Patterson, Bryan 83
 Pattison, Iain H. 169, 228
 Pavlov, Ivan Petrovich 498
 Peake, Kirby 402
 Pear, Charles B. Jr. 514
 Pearlman, Samuel 322
 Peebles, P. E. J. 376, 381
 Pege, Robert A. 59
 Pell, Claiborne 474
 Pellam paradox 424
 Pelly, Thomas M. 311
 Periodontal disease 102
 Peritoneal dialysis 42
 Perkins, Rogers B. 448
 Permafrost, Builders study 476
 Perry, Henry A. 240
 Perry, Seymour 190
 Person, Effect of 499
 Personality inventory 350
 Perutz, Max F. 119, 451
 Peruvian poor, Housed 322
 Pesticides, Chlorinated hydrocarbon 6
 Pesticides, MSU study 334
 Petersen, Janice L. 259, 260
 Peterson, Alan W. 588
 Peterson, Esther 101
 Peterson, John K. 103
 Peterson, Richard S. 50
 Petroleum, Submerged land 78
 Ph.D. degree reform 376
 Pharmaceuticals, Export 566
 Pharmacology 142, 521
 Pharaoh, Photogram-metric 38

- Phenacetin, Kidney disease 116
 Phenylalanine 523
 Pheochromocytoma 236
 Philips, Thomas E. 391
 Phillips, D. C. 119
 Phillips, Melba 205
 Phillips, Samuel 446
 Phoebus 1 rocket 335, 337
 Phonetic alphabet 129, 145
 Phosphate additive, Teeth 356
 Phosphate compounds 311
 Phosphate gum 103
 Phosphorus, Green algae 5
 Photochromic materials 404
 Photogrammetry 29, 38
 Photosynthesis 404, 427
 Physical constants 210
 Physicians, Drug profits 117
 Physicians, Ethics 117
 Physics education 27, 319
 Physics manpower 131
 Picard, Jacques 286
 Pickard, Jerome P. 322
 Pig brain cells 307
 Pigeons, Allergy effects 332, 418
 Pigeon's eye, Electronic 412
 Piggyback tank 486
 Pi-meson, Cancer treatment 85
 Pineal gland 8
 Pion-nucleon experiments 163
 Pions, Negative 85
 Pipelines, Desert 503
 Piping solids 391
 Pitman, James 275
 Pitts, Donald G. 370
 Pituitary gland, Brain-controlled 400
 Planetary probe 60
 Plant proteins, Increase 215
 Plants, Water-wasting 541
 Plastic, Boilable 244
 Plastic, High-temperature 524
 Plastic bubbles, Patients 168
 Plastic filter 267
 Plastic hammer 559
 Plastic sealer 24
 Plastic tooth implants 117
 Plastics, Carbon fibers 588
 Plastics, Magnetic 279
 Platzman, Philip M. 346
 Pneumoconiosis 521
 Pocket pager 342
 Poisons, Food chemicals 500
 Polgal vaccine 521
 Polishing, Ice method 283
 Pollution detection, Lakes 115
 Polycarbonatesiloxanes 524
 Polymers, Semiconducting 63
 Ponnampерuma, Cyril 376
 Population, World 18
 Porta, Eduardo A. 285
 Post, Austin 601
 Postal, Paul 265
 Poston, Michael 197
 Postoperative exercise 405
 Potassium loss, Prevented 415
 Poverty cutbacks 182
 Power converter 193
 Prado, Leal 75
 Prasad, Kedar N. 117
 Pratt, Philip C. 280
 Precambrian life 264
 Prescription drugs 382, 383
 Prescott, L. F. 116
 President's science advisers 159, 326
 Pressurized elevator 278
 Price, Don K. Jr. 1, 17
 Price, Melvin 262, 472
 Price, P. Buford 266
 Price, W. H. 258
 Primate research, Leukemia 153, 175
 Primates, Not territorial 472
 Printer, Magnetic 583
 Privacy, Invasion of 278, 351
 Product safety 157
 Progestin, Synthetic 139
 Project Able 304, 548
 Project Cabriole 445
 Project Hindsight 60, 545
 Project Magnet 429
 Project Metran 93
 Project Profile 358
 Project Rover 230
 Project Themis 471
 Projectile fragments 164
 Projectile impact 429
 Proghorns 180, 324
 Pronko, Eugene 265
 Propaganda game 486
 Property crimes 186
 Prostate tumors 237
- Prosthesis, Instant 105, 120
 Protein, Single cell 40
 Protein deficiency 307
 Protein foods, Alcoholic 285
 Protein foods, FDA 138
 Protein repressor 569
 Protein structure 119
 Przewalski's horse 149
 Psychiatric records, Data bank 572
 Psychiatrists, Confidentiality 354
 Psychiatry, East-West 493
 Psychiatry, Games 308, 309
 Psychopathology, International 73
 Psychotherapy, Drugs 523,
 Psychotherapy, Socialist 494
 Ptashne, Mark 569
 Public health 21
 Pugh, D. T. 601
 Pump, Step-on 193
 Purines, Low temperatures 404
 Putzrath, Franz L. 343
 Pyrethrum, Synthetic 215
- Q**
- Quadrant phototube 381
 Quadruped truck 164
 Quarks and antiquarks 115
 Quartz rod, Endoscope 442
 Quasar PKS 0237 minus 23 111, 284
 Quasars 3C-279, 3C-446 111, 381
 Quasars, Closer 573
 Quasars, Light source 381
 Quasars, Measuring 226, 544
 Quigley, James M. 5
 Quinine cartel 302
 Quittner, George F. 367
- R**
- R factors, Drugs 543
 RAE satellite 378
 RASCAL 209
 RNA 9
 Rabi, I. I. 211
 Rabinowitch, Eugene 404
 Race, Concept 44
 Race riots, Prevention 312
 Radar, Birdwatching 245
 Radar signature analysis 421
 Radiation, Aging 285
 Radiation survey meter 244
 Radio astronomy 131, 593
 Radio Astronomy Explorer 378
 Radio Heliograph, Australia 222
 Radio source, Mapped 331
 Radio telescopes 192, 450,
 Radio waves, Carbon 593
 Radioactive lead 210 284
 Radiocarbon dating, Ice Age 447
 Radio-controlled vessels, Unmanned 286
 Radiography, Neutron 548
 Radioisotopes, Industry 99
 Radon daughters 470
 Rainmaking, Regulations 432
 Rakavy, Gideon 258
 Ram-LACE 529
 Rameses II, Teeth 280
 Rand, H. J. 143
 Rand cancer vaccine, FDA 142, 157, 258
 Randolph, Jennings 133, 374
 Rankin, Winton B. 206
 Rapaport, Felix T. 90
 Rasmussen, John O. 331
 Ratz, Rudi F. W. 439
 Reactor concepts 360
 Reactor fuel purified 487
 Reading, Electrical device 42
 Reagan, Ronald 526
 Rector, Milton 569
 Red Sea, Submerged volcano 601
 Red Sea brine 215
 Red shift, Quasars 573
 Reichert, Arlen I. 415
 Reiffel, Leonard 85
 Reilly, T. Gorman 232
 Rein control 426
 Relativity theory 144, 163
 Remington, Jack S. 594
 Reproducer for surfaces 438
 Research, Applied and basic 521
 Research, Basic 471, 545
 Research, Biomedical 231
 Research funds, Federal 109
- Research & development, 1967 40
 Residual oil, Usable 586
 Resolving power 573
 Resource watcher 61
 Resources, Recycled 162
 Respiratory vaccine, Military 523
 Retina, Cryosurgery 72
 Retina, Laser 47
 Reuss, Henry S. 140
 Revelle, Roger 557
 Reverse osmosis 519
 Rey, Louis R. 40
 Rhenium, Time reversal 448
 Rheumatic fever, Riot potential, U.S. cities 312
 Ritter, Enloe T. 448
 Roadrunner 396
 Roberts, D. R. 147
 Roberts, Walter Orr 12
 Robinson, G. D. 476
 Robinson, T. W. 541
 Rochkind, Mark M. 404
 Rock, John 579
 Rock tumblers 193
 Rocket, Recoverable 415
 Rocket motor 209, 358
 Rocket sled, Laser-tracked 428
 Rockets, Nuclear 95
 Rockets, Self-destroying 298
 Rockets, Solid-core 97
 Roessel, Robert A. 520
 Rollefson, Ragnar 123
 Roller, Herbert A. 329
 Rom, Frank 97
 Romano, John 328
 Rome, Martin 381
 Romer, Alfred Sherwood 17
 Roosters, Maternal 500
 Rose, William C. 43
 Rosenbluth, Marshall N. 279
 Rosenstein, Solomon N. 332
 Ross, D. A. 215
 Ross, Joseph C. 306
 Rous, Francis Peyton 237
 Rubens, S. M. 404
 Rubenstein, Howard S. 549
 Rubin, Meyer 447
 Ruddle, Frank 568
 Rudel, Harry 349
 Rural air pollution 6
 Rural neurosis 158
 Rusk, Dean 111
 Rusk, Howard A. 181
 Russia, Transplants 282
 Russian almanac, Lunar 163
 Russian jet transport 256
 Russian meteorology 423
 Russian Methuselah 458
 Russian space mission 247
 Russian turbine, Freon-drive 428
 Rust preventive 24
 Rutherford, David 411
 Ryall, Alan 403
 Ryan, William 446
- S**
- SAGE radar defense system 191
 SNAP 7D, Buoys 34
 SST development 31
 SST flight priority 333
 SST prototypes 1970 449
 Sadvore, Max S. 382
 Saf-T-Coil 350
 Safety jar 462
 Sagan, Carl 198
 St. Elmo's Fire 359, 468
 Sakvelidze, L. A. 522
 Salmon, Daniel Elmer 311
 Salmon, Doomed 541, 601
 Salmonella, Libel 311
 Salzman, Leon 89
 Sample maker, Double 342
 Sand, Radioactively tagged 429
 Sand dunes 420
 Sandage, Allan R. 111,
 Sanderson, Bernard L. 509
 Sarcoma viruses, Defective 448
 Sanders, J. V. 79
 Sapirie, S. R. 209
 Sarahan, Bernard L. 509
 Satellite reflector 36, 348,
 Satellite uses 412
 Satellites, Educational 230
 Satellites, Foreign-designed 577
 Satellites, Temperature 247
 Satellites, Weapons tracking 333
 Sato, Haruo 430
 Saturn, Four rings 518
 Saturn, Rings 348, 588
 Saturn, Tenth moon 33, 131,
 Savannah, Nuclear ship 591
 Savara, B. S. 39
 Saunders, Frederick A. 212
 Sawyer, Philip 71
 Scarborough, Harold 42
 Schad, Theodore M. 335
 Schaeffer, Morris 161
 Schain, Richard J. 523
 Schelling, T. C. 11
 Scheving, Lawrence E. 10
 Schildkraut, Joseph J. 575
 Schiller, Ira Z. 444
 Schirra, Walter M. 112, 401
 Schizophrenia, Antibodies 141
 Schizophrenia, Study of twins 328
 Schmidt, Maarten 111
 Schonfeld, Arnold 463
 Schoolbus noise killer 193
 Schools, Protection systems 219
 Schreiner, George E. 92,
 Schreiver, Bernard A. 529
 Schroeder, Charles R. 139
 Schuchman, F. E. 252
 Schultz, Sheldon 160
 Schwinger, Julian 131
 Science, AAAS forum 4
 Science, Federal 21
 Science, Hemispheric 401
 Science, Human-oriented fields 17
 Science, Invaluable tool 12
 Science, State department 123
 Science, West Africa 460
 Science budget 109
 Science deferments 256
 Science forecast, 1967 20
 Science policy 326, 335
 Science Talent Search 124,
 125, 259
 Science toys 111
 Scientists, Against CBW 185
 Scientists, Foreign advisors 58
 Scientists, Free flow 255
 Scientists, Migratory 73
 Scientists, Pay scales 375
 Scorpio XR-1 10
 Scotland Yard, Computerized 283
 Scott, Hugh 114, 147
 Scott, John J. 487
 Scramjet 529
 Scrap tires, Incinerator 235
 Scrappie-infected cell 169
 Screwworm flies 225, 238
 Scurvy 311
 Scyllac, Superconducting 163
 Sea-air interface 316, 541
 Sea areas, Lifeless 115
 Sea mountains, Pacific 36
 Seaborg, Glenn T. 94, 301,
 308, 588
 Seal 50
 Sealab 2 experiment 408
 Seamans, Robert Jr. 161,
 270, 471
 Seawater, Synthetic 76
 Secrecy rules, OEO 140
 Security, Computers 532
 Security systems, Electronic 263
 Seegmiller, J. Edwin 380
 Seiden, Richard H. 45
 Segal, Sheldon 349
 Seifert, Eli 376
 Seifert, Howard S. 269
 Seki, Tsutomu 163
 Sencer, David J. 161
 Semiconductors, Plastic 63
 Sen, B. R. 11
 Senate reorganization 86
 Senderoff, Seymour 24
 Sensitivity, Unidirectional 426
 Senti, Frederic R. 18
 Serum hepatitis, Contagious 477
 Sewage, Fuel 36
 Sewage treatment 264
 Sex, Older woman 413
 Sex hormones, Drug action 285
 Sexual codes, Infant brain 355
 Satellite-borne weapons 565
- Shaagass, Charles 352, 518
 Shakhan-Ho 288
 Shamrayevsky, Semyon 380
 Shannon, Claude E. 43
 Shannon, James A. 478, 479
 Shapiro, Maurice M. 262,
 450
 Sharks, Plastic bag 114
 Shaskan, Donald A. 309
 Shavelson, Richard 379
 Shaw, David Murray 575
 Sheet steel gauge 367
 Sheldon, Charles S. II. 335
 Sherlock, Paul 311
 Sherman, Sanford N. 246
 Sherwin, Chalmers W. 545
 Ship system, FDL's 41
 Shipbuilding, Japan 580, 581
 Shipping containers 559
 Shklovsky, I. S. 331
 Showmaker, Eugene 7, 517
 Shoplifting, Security 100
 Shrews for research 175
 Shriver, Sargent 182, 312
 Sialogen 400
 Sickled cells, Unsickled 12
 Silicone, Nonstick 534
 Silver, Arnold H. 329
 Silver, Carl E. 380
 Silver nitrate, Burn treatment 363
 Simons, Elwyn 189
 Singer, S. Fred 548
 Single cell protein 40
 Sinkholes, Florida 520
 Sirius, Magnesium 319
 Sirocco 516
 Skin cancer, Drugs 181
 Skin cancer, Remission 318
 Sklaroff, David M. 250
 Skolnikoff, Eugene B. 123
 Sleep, Deepest 525
 Slide centrifuge 342
 Slide rule, Retractable 76
 Slide viewer and sorter 219
 Slide warmer 390
 Slim One (manikin) 332
 Slum children, Education 402
 Small-world problem 525
 Smallpox, Air India 376
 Smallpox eradication, WHO 418, 574
 Smallpox vaccine, Cancer 317
 Smith, D. H. 437
 Smith, David H. 543
 Smith, G. E. 6
 Smith, James V. 477
 Smith, William L. 113
 Smog, California 476
 Smog, Dry lake 510
 Smog, Effects on plants 5
 Smog control, Reactor 113
 Smoking, England 181
 Smoking, PHS tactics 447
 Smoking students, Grades 42
 Smoluchowski, Roman 134
 Smyth, Nicholas P. D. 295
 Smythe, Patrick M. 307
 Snail killer, Endod 317
 Snow, Kenneth 226
 Sobel, Morton 192
 Social research examined 422
 Social sciences 21, 42
 Social sciences, Ph.D. reform 375
 Social sciences foundation 160
 Social scientists, Systems analysis 147
 Soda, Takemune 599
 Sodium-cooled reactor 360
 Sodium ion electrode 313
 Soil, Water-repellent 334
 Solar flare, White light 592
 Solar proton showers 191
 Solar stills 501, 503
 Solar system box 600
 Solar telescope, Australia 222
 Soldering tool 100
 Solid-propellant motor, 260-inch 358
 Solid state oscillators 284
 Sonic boom, Houses 449, 583
 Sonic booms, Miniature 164
 Sonic signal 318
 Sounding rockets, Self-destroying 298
 Souther, A. Louis 311
 Soward, Selby S. 313
 Soybean 172
 Soyuz 1 421
 Space, Respiration in 306
 Space batteries, Silver-zinc 166
 Space bolas 462
 Space budget 230
 Space cabin atmospheres 112, 161
 Space hotel-lab 137
 Space insulation 209
 Space launch cannon, Electric 535

- Space mirror 36, 348, 548
 Space photometry,
 Quadrant tubes 381
 Space program,
 Post-Apollo 60
 Space projects,
 International 576
 Space propulsion,
 Advanced 95
 Space science, Manpower 496
 Space station,
 32-man version 466
 Space travel,
 Compatibility 73
 Space weapons
 treaty 425, 565
 Spacecraft, Venus-bound 207
 Spaceflight tests 159
 Spacesuits, Hampering 379
 Spaeth, Mark G. 541
 Spandex fiber, Irritant 571
 Species, 250 doomed 531
 Spectrometer,
 Filter-wedge 466
 Speech compressor 303
 Speech recognition 214, 333
 Spence, Hilton W. 586
 Spencer, Malcolm C. 580
 Sperm capacitation 350
 Sperm cell serum 571
 Sperry, Roger W. 118
 Spider mite, California's 316
 Spike, J. Edward 286
 Spilhaus, Athelstan F. 6
 Spin waves, Sodium 346
 Spinal aneurysms,
 Diagnosis 571
 Sponges, Pollution
 bacteria 501
 Spray-on freeze 59
 Spray steelmaking 455
 Spuhler, Willy 451
 Squire, Charles F. 588
 Squirrels, Infectious 405
 Staats, Elmer 495
 Stadtman, Earl 197
 Stahlman, Mildred T. 157
 Stanley, Daniel J. 319
 Staphylococci, Antibiotic 549
 Star, Implosion 258
 Star, Variable 94
 Star finder 24
 Star positions, Historic 573
 Star II, Great Lakes 501
 Stare, Frederick J. 139
 Starling,
 Aircraft collisions 26
 Stars 96, 194, 292,
 388, 506, 598
 Stars, Ultraviolet dwarfs 524
 State Department, Science 123
 State of the Union 55
 Static controller 366
 Statolon 405
 Steel spraying
 process 441, 454
 Steel tape rule 511
 Steeves, Robert 207
 Steinhaus, Edward A. 468
 Steinman, Harry G. 174
 Stephan, Robert M. 281
 Stereo, Fiber optics 219
 Stereo image,
 Mapping 39, 264
 Sterilization
 Interplanetary 333
 Sterilization,
 Voluntary 158, 236
 Stetson, Karl A. 428
 Stewart, Harris B. Jr. 6,
 351, 542
 Stewart, Robert E. 121
 Stewart, R. J. C. 307
 Stewart, William H. 207,
 231, 448, 478, 479
 Stiehm, E. Richard 418
 Stoeh, Mavis B. 307
 Stokes, Richard H. 427
 Stomach camera 418
 Stokey, George K. 250
 Stoplight timer 514
 Storm sewer probe 367
 Stormer, Carl 210
 Stothers, Richard 524
 Straight down,
 Zero-gravity 358
 Strain gauge,
 Sheet steel 367
 Stratton, Julius Adams 63
 Streptococci,
 staphylococci 90
 Stress affects brain 9
 Strickey, George 370
 Strong, William 331
 Strong-absorption model 524
 Strontium diagnosis,
 Bone cancer 250
 Student demonstrations 73, 305
 Student suicides 45
 Students,
 Follow own logic 140
 Students, Types 236
 Study board 486
 Stuttering, Men,
 Negro girls 549
 Submarine air analyzers 283
 Submarines, Research 304
 Submerged land 77
- Subways, Ruled out 93
 Suicides 45, 558
 Suicideology 525
 Sulfate removal 286
 Sulfonamide-based
 burn cream 363
 Sulfur and fly ash 264
 Sulfur pollutants,
 Control 541
 Sulfur recovery 76, 586
 Sullivan, William 12
 Summers, Nevin M. Jr. 259
 Space travel,
 Compatibility 73
 Space weapons
 treaty 425, 565
 Spacecraft, Venus-bound 207
 Spaceflight tests 159
 Spacesuits, Hampering 379
 Spaeth, Mark G. 541
 Spandex fiber, Irritant 571
 Species, 250 doomed 531
 Spectrometer,
 Filter-wedge 466
 Speech compressor 303
 Speech recognition 214, 333
 Spence, Hilton W. 586
 Spencer, Malcolm C. 580
 Sperm capacitation 350
 Sperm cell serum 571
 Sperry, Roger W. 118
 Spider mite, California's 316
 Spike, J. Edward 286
 Spilhaus, Athelstan F. 6
 Spin waves, Sodium 346
 Spinal aneurysms,
 Diagnosis 571
 Sponges, Pollution
 bacteria 501
 Spray-on freeze 59
 Spray steelmaking 455
 Spuhler, Willy 451
 Squire, Charles F. 588
 Squirrels, Infectious 405
 Staats, Elmer 495
 Stadtman, Earl 197
 Stahlman, Mildred T. 157
 Stanley, Daniel J. 319
 Staphylococci, Antibiotic 549
 Star, Implosion 258
 Star, Variable 94
 Star finder 24
 Star positions, Historic 573
 Star II, Great Lakes 501
 Stare, Frederick J. 139
 Starling,
 Aircraft collisions 26
 Stars 96, 194, 292,
 388, 506, 598
 Stars, Ultraviolet dwarfs 524
 State Department, Science 123
 State of the Union 55
 Static controller 366
 Statolon 405
- T**
 T-Groups, Unjustified 312
 TACS 358
 THHP, Anticancer drug 405
 TOW missile 247
 Takasaki, Hiroshi 573
 Tanaka, Ryoka 139
 Tankers, Japan 580
 Tannenbaum, Mark H. 571
 Tanzania, Marine
 laboratory 552
 Tape, Gerald F. 163, 192
 Tape dispenser 244
 Tape noise reducer 439
 Taplin, Lael B. 173
 Taraxine, Schizophrenics 141
 Tax, Sol 520
 Taxonomy 468
 Taylor, O. C. 6
 Teaching, Computerized 406
 Technical aid, decreasing 11
 Technology, Side effects 301
 Technology gap, Nuclear 183
 Teeth, Contours 39
 Teeth, DMF statistics 500
 Telepathy, Russia 118
 Telephone booth, 403
 Telescope, Chile 520
 Telescope, 1,000-inch 350,
 384
 Telescope, Sacramento
 Peak 191
 Telescope, Siding Springs 475
 Telescopes, Image tubes 37
 Telescopes, Moon-based 381
 Television cameras 263,
 353
 Television monitoring,
 Aerial 100
 Teller, Edward 87
 Temperature, Endotoxin 549
 Tennis racket grip 559
 Terminal kit, Solderless 342
 Termites, Destroyed 334
 Terradynamics 428
 Thafer, William J. 233
 Thalidomide,
 Investigation 483
 Theftproof keyholder 534
 Thermochromic display 586
 Thermocouple, High-
 temperature 487
 Thermocouples,
 Radiation 573
 Thermoelectric generator 535
- Thermometer, Pistol 438
 Thermometer, Under-
 water 193, 291
 Thermometer set,
 Disposable 48
 Thomas, Paul A. 547
 Thompson, Floyd L. 374
 Thompson, James C. 319
 Thompson, Llewellyn 55
 Thorn, Robert 331
 Thread sealer 342
 Tietze, Christopher 350
 Time-delay relay 291
 Time-sharing computers 532
 Time reversal search 448
 Tires, Studded 59
 Tissue bank, Cadavers 92
 Tissue damage, Burn 363
 Tissue rejection,
 Challenged 282
 Titanium skin, SST's 528
 Tobacco smoke, Cancer 346
 Tonal recognition test 458
 Tones, Synthetic 331
 Tooth decay, Children 332
 Tooth decay, Phosphate 281,
 356
 Tower of Pisa 466
 Toxoplasmosis 594
 Tracers, Radioisotope 99
 Tractor, Driverless 59
 Traffic light phantoms 442
 Transactional analysis 444
 Transducer kit 76
 Transducers, Biological 9
 Transplanting machine 244
 Transplants,
 Incompatibility 181
 Transplants, Legal issue 143
 Transistor ignition 24
 Tree identification kit 414
 Trent engine, Rolls-
 Royce 298
 Tree shrews 217
 Tropical meteorology 325
 Tropical marine science 496
 Trout, Dying technique 357
 Truck, Walking 164
 Tsunami theory 131
 Tsunami warnings 316, 541
 Tuberculosis, Cows 71
 Tuberculosis, Myambutol 418
 Tuckman, John 365
 Tulip tree 492
 Tumors, Computer
 diagnosis 558
 Tumors, Domestic
 animals 461
 Tumors, Uterine 139
 Tuna fishing, Control 597
 Tunis, Marvin 332
 Tupolev 144 256
 Turbine fuel control 173
 Turcotte, Donald L. 399
 Tuve, Merle 37
 Typewriter, Compressed
 air 463
- U**
 U-235, Gas centrifuge 327
 Udall, Morris K. 302
 Udall, Stewart L. 135, 264,
 286, 432
 Ultramicrotome 259
 Ultrasonic cleaner 486
 Ultrasonic disintegrator 559
 Ultrasound, Brains 62
 Ultrasound, Burner noise 346
 Ultrasound, Eye 72
 Ultraviolet lamp 534
 Ultraviolet light traps 10
 Ultraviolet photo
 cabinet 559
 Ultraviolet spectrograms 504
 Undersea bug, British-
 built 429
 Undersea robot, Soviet 357
 Underwater dead sea 218
 Underwater equipment 408
 Underwater lab,
 Helgoland 114
 Underwater power 535, 583
 Universe, Expanding 64
 Uranium dioxide,
 Purified 487
 Uranium fuel, Reclaimed 583
 Uranium mining 469
 Uranium shipments up 209
 Uranium 233 94
 Uranium 235 360, 470
 Urban living 21, 27
 Urban transportation 93
 Urban zones, U.S. 322
 Urey, Harold 4
 U.S.-Canadian weather
 bureaus 235
 U.S.-U.S.S.R. treaty,
 Nuclear 183
 USS Bainbridge 471
- V**
 V-A Theory of Weak
 Interactions 287
 VLA, radio telescope 192
 Vaccine, Adenovirus 523
 Vaccine, Anticancer 142,
 157, 258
 Vacuum, Survival 209
 Valery, Nicholas 348
 Vallance, Theodore 19
 Valsequillo site,
 Artifacts 447
 Van Allen belts 210
 Van Bergeijk, Willem 404
 Van de Graaff, Robert J. 291
 Vandewarker, Richard 226
 Van Dorn, William G. 286
 Van Scott, Eugene 310
 Van Vleck, John H. 43
 Vehicle, Lightweight 586
 Venus, Chemicals on 381,
 384
 Venus, Cloud blanket 94
 Venus probe 207
 Verdun, Paul 5
 Veretter, Betty 256
 Viobin, Family of 212
 Virchow, Rudolf 282
 Virus, Test tube 356
 Viruses, Cold symptoms 472
 Visibility, Pilots 151
 Vision, Peripheral 158
 Vitamins, Unneeded 146,
 228
 Volcano, Red Sea 601
 Volkoff, G. M. 205
 Von Der Borch, C. C. 357
- W**
 WHO, Drug quality
 control 566
 WHO, Smallpox 574
 WHO documents,
 Russian and Spanish 545
 Wadley, J. K. and Susie 352
 Wagstaffe, John 510
 Walk, Wired 293
 Walker, Richard L. 33
 Walker, Robert M. 266
 Wallaby 313
 Washer, F. E. 573
 Wasp, Parasitic 564
 Wasps, Peruvian 316
 Waste removal,
 Vacuum-powered 150
 Waste management,
 Ph.D.s 571
 Waste water, Crops 5
 Watanabe, Tsutomu 543
 Water, International
 concern 489, 502
 Water, Lubricated 283
 Water alarm 390
 Water for peace 20, 447,
 502, 519
- X**
 X-ray, Core's structure 319
 X-ray astronomy 499
 X-ray photograph 39
 X-ray source diagram 330
 X-ray stars 10
- Y**
 Yakovkin, Avenir 163
 Yams, Instant fu-fu 431
 Yang, C. N. 448
 Yankovsky, Vsevolod 547
 Yannie-Ewusie, J. 460
 Yano, Kentaro 481
 Yates, F. Eugene 426
 Yeast sampler,
 Disposable 219
 Yen, J. L. 544
 Yolles, Stanley F. 525
 Young, Arnold W. 442
 Young, R. D. 259
 Youth, Alienated 305
 Youtz, Richard P. 456
 Yukawa, Hideki 480
 Yukon bones 510
- Z**
 Zaheer, Hussain 58, 111
 Zajaczkowska, A. 322
 Zegans, Leonard S. 472
 Zen diet, Scurvy 311
 Zimmerman, H. H. 430
 Zinc oxide semi-
 conductor 24
 Zinn, Raymond 217
 Weevils, Sterilized 93
 Zodiacal dust 548, 588
 Zodiacal lights in space 381
 Zoll, P. M. 295
 Welding, Automatic 580
 Welding iron rails 291
 Welsh, David Martin 562
 Zwicker, Charles J. 278
 Zworykin, Vladimir K. 43