

# SCIENCE NEWS LETTER INDEX

Vol. 88, Nos. 1-26, July-Dec., 1965, pp. 1-416

## SCIENCE SERVICE, WASHINGTON, D. C. 20036

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

- AEC patents ..... 61  
 ATP ..... 248  
 Aardvark ..... 44  
 Abelson, Philip H. .... 74  
 Abortions ..... 31, 63  
 Accent lights, Outdoor ..... 256  
 Accrediting standards ..... 36  
 Acheulian ..... 361  
 Acorn worm track ..... 273, 276  
 Acoustic generator ..... 34  
 Acoustical concrete ..... 366  
 Acoustical diagnosis ..... 201  
 Acromegaly ..... 376  
 Adamchik, Bogdan ..... 166  
 Adams, R. D. .... 53  
 Adenovirus type 3 ..... 184  
 Adrenal hormone ..... 78  
 Aelopithecus ..... 359  
 Aerosol spray kit ..... 112  
 Afatoxin ..... 87  
 African man ..... 361  
 Aged ..... 22, 362, 400  
 Agena rocket failure ..... 302  
 Air accident solutions ..... 137  
 Air cleaner, Electric ..... 207  
 Air mattress ..... 112  
 Air pollution ..... 136, 262  
 Air pump ..... 172  
 Air safety, Birds ..... 281  
 Air turbulence ..... 120, 291  
 Aircraft, Multi-service ..... 57  
 Air-cushion  
   vehicle ..... 104, 222  
 Airglow, Earth's ..... 246  
 Airplane, Wiggling ..... 77  
 Alarm system ..... 222  
 Alaskan reindeer ..... 401, 404  
 Albright, Lyle P. .... 25  
 Alcock, G. E. D. .... 230  
 Alcohols ..... 244, 370  
 Algae, Sewage ..... 83  
 Algae-foam ..... 109  
 Algae fossils ..... 276  
 Allen, Clarence ..... 215  
 Allen, Dayton ..... 254  
 Allen, Robert L. .... 190  
 Allergies ..... 33, 42  
 Allport, Gordon W. .... 248  
 Alphabet, Initial ..... 139  
 Aluminum,  
   Stretchable ..... 301  
 Aluminum cargo ship ..... 104  
 Aluminum coatings ..... 286  
 Aluminum-plastic  
   blanket ..... 377  
 Alvin submarine ..... 325  
 American Indians ..... 29  
 American Medical  
   Association ..... 2, 41,  
   85, 98, 167  
 Amino acids ..... 99  
 Amnesia, Cause ..... 259  
 Amputees ..... 39, 360  
 Amplose film, Uses ..... 251  
 Analexin ..... 130  
 Anaplasmosis vaccine ..... 69  
 Anchor hinge ..... 16  
 Anderson, Donald E. .... 198  
 Anderson, W. A. D. .... 144  
 Andrews, Frederick N. .... 93  
 Anemias ..... 149, 386  
 Anesthetics ..... 326, 344, 377  
 Anger, Hal O. .... 226  
 Angora mouse ..... 95  
 Animals ..... 79, 122, 155, 359  
 Animals for research ..... 111  
 Antarctica ..... 56, 324  
 Antartcicite ..... 163  
 Anthelvincin ..... 274  
 Antibiotics ..... 121, 307  
 Anticoagulants ..... 130  
 Antidepressants ..... 194, 311  
 Anti-individualism ..... 360  
 Antiquity laws ..... 24  
 Anti-submarine  
   warfare ..... 89  
 Antivivisection bill ..... 111  
 Antonov, Oleg ..... 15  
 Ape, Jawbone ..... 359  
 Ape-like teeth ..... 324  
 Apeman, Skull ..... 297  
 Apgar, Virginia ..... 243  
 Aphids ..... 136  
 Apollo ..... 18, 94, 197  
 Apollo model ..... 225, 228  
 Apollo stabilizers ..... 151  
 Appel, James Z. .... 85, 167  
 Appendicitis ..... 69  
 Appliance cord reel ..... 384  
 Aptitude tests ..... 22  
 Aquanauts ..... 163  
 Arches of Science ..... 232  
 Argentine craters ..... 179  
 Argy, William F. .... 375  
 Ariel I ..... 203  
 Arkansas, Evolution ..... 386  
 Arm band lamp ..... 160  
 Armstrong, Ralph ..... 22  
 Arnold, Samuel J. .... 293  
 Arnon, Daniel I. .... 248  
 Arrow worms ..... 318  
 Art beam light ..... 47  
 Art works, Analysis ..... 296  
 Artery surgery ..... 295, 341  
 Arther, Paul E. .... 334  
 Arthritis ..... 46, 373  
 Artificial arm ..... 183  
 Artificial heart ..... 213, 254  
 Artificial insemination ..... 135  
 Artificial speech ..... 265  
 Aschoff, Jurgen ..... 24  
 Ash, Major M. .... 86  
 Aspirin ..... 207  
 Asthma ..... 95  
 Astronauts ..... 86, 343  
 Athens ..... 298  
 Atherosclerosis ..... 80, 326,  
   328, 341  
 Athlete, Heart ..... 371  
 Atmospheric Explorer ..... 70  
 Atomic era ..... 54  
 Atomic foghorn ..... 49, 55  
 Atoms ..... 37, 259  
 Australia ..... 59, 185, 308  
 Auto chopper ..... 109  
 Auto-driver ..... 118  
 Auto graveyards ..... 73  
 Auto lamp ..... 416  
 Auto rack ..... 96  
 Auto tissue dispenser ..... 368  
 Automat, Paper money ..... 153  
 Automated  
   logging ..... 193, 201  
 Automation threat ..... 216  
 Automobile, Electric ..... 136  
 Autopsies, Better ..... 201  
 Autoscultor ..... 150  
 Autotank, A/B ..... 153  
 Autumn seeds ..... 186  
 Avakian, Souren ..... 167  
 Avalanche disaster ..... 169  
 Awards ..... 185, 197, 232,  
   261, 265, 323, 404  
 Axlerod, Leonard R. .... 227  
 Azaspirane ..... 327  
 Babich, Frank R. .... 114  
 Babies ..... 169, 281, 327, 377  
 Baby table chair ..... 64  
 Back pain, Low ..... 265  
 Bailey, William ..... 135  
 Baird, Bernard ..... 312  
 Baizer, Manuel M. .... 34  
 Baja California ..... 34  
 Baker, Paul T. .... 78  
 Baker, Roger ..... 128  
 Baldine, Joseph James ..... 166  
 Balk, Alfred ..... 98  
 Ball, John C. .... 16  
 Ball, Robert M. .... 167  
 Ball casters ..... 191  
 Ballantine,  
   H. Thomas Jr. .... 281  
 Balloons ..... 3, 7, 245  
 Banatvala, J. E. .... 169  
 Baobab tree ..... 62  
 Bardach, John E. .... 40  
 Bardeen, John ..... 404  
 Barghoorn, Elso S. .... 276  
 Barnothy, J. M. .... 117  
 Barricade, Highway ..... 109  
 Barrington, L. F. .... 8  
 Barski, Georges ..... 135  
 Bateman, Durward F. .... 110  
 Bathylchnops ..... 232  
 Bathymetric map ..... 94  
 Battery, Rechargeable ..... 319  
 Battle carrier ..... 71  
 Battlefield radar ..... 57  
 Bauer, Myron J. .... 222  
 Bauer, Stanley ..... 304  
 Bauld, Nathan L. .... 120  
 Beach, Frank A. .... 258  
 Beach, Synthetic ..... 123  
 Bean, Charles P. .... 310  
 Bearce, Marshall P. .... 342  
 Beard, Kim D. .... 61  
 Beaser, Samuel B. .... 371  
 Beaudreau, George S. .... 227  
 Beaver, Paul C. .... 196  
 Beaver dam ..... 233  
 Bedwetting ..... 31, 293  
 Beehive control ..... 150  
 Bees ..... 21, 79, 80  
 Beetles in ear ..... 200  
 Beidler, Lloyd M. .... 329  
 Berenblum, Isaac ..... 86  
 Berggren, Ronald B. .... 296  
 Berkley, Carl ..... 106  
 Berkner, Lloyd V. .... 51  
 Berkowitz, Donald ..... 2  
 Berry, Charles A. .... 197  
 Berry, Taste-changing ..... 329  
 Bertrand, Harry A. .... 109  
 Bescher, Ralph ..... 118  
 Beta tantalum ..... 87  
 Bierenbaum, Marvin ..... 328  
 Bigelow, Julian H. .... 120  
 Binder, Henry J. .... 402  
 Birds ..... 34, 137, 281  
 Birdwhistell, Ray L. .... 264  
 Birth control ..... 150, 345, 402  
 Birth control pills ..... 16,  
   351, 374, 416  
 Birth defect research ..... 243  
 Birth order psychology ..... 311  
 Birth rates ..... 9, 265  
 Black, Dolphus H. .... 109  
 Black, Jack ..... 293  
 Blackwater fever ..... 35  
 Blair, A. W. .... 319  
 Blazina, Martin E. .... 371  
 Blind ..... 386  
 Blood bank inventory ..... 336  
 Blood cell separators ..... 261  
 Blood clot, Lung ..... 304,  
   368  
 Blood factor, Cancer ..... 256  
 Blood pressure, High ..... 136  
 Bloomfield, Daniel K. .... 144  
 Blue, Animal vision ..... 184  
 Blumrich, Josef F. .... 254  
 Bock, Fred G. .... 329  
 Body responses ..... 106  
 Bohrer, C. Wallace ..... 164  
 Boll weevils ..... 312  
 Bone diseases ..... 201, 373  
 Bone marrow ..... 386  
 Bones, Fragile ..... 275  
 Bongo, Albert ..... 180  
 Bonner, James ..... 227  
 Books, Sight-saving ..... 80  
 Borescope TG5 ..... 73  
 Borman, Frank ..... 402  
 Borrie John ..... 9, 336  
 Borrmann, Gerald F. .... 270  
 Borthwick, Harry A. .... 21  
 Boston-Washington ..... 39  
 Botulism ..... 164  
 Bowe, John ..... 190  
 Bowen, Rafael L. .... 141  
 Bowman, Howard S. .... 324  
 Boxing, Safe ..... 98  
 Boy Scouts, Beetles ..... 200  
 Boyce, William C. .... 366  
 Boyd, R. L. F. .... 203  
 Bracken, Cancer link ..... 403  
 Braestrup, Agnete ..... 25  
 Braham, Roscoe R. Jr. .... 296  
 Brain ..... 53, 114, 120, 130,  
   213  
 Brain injury diagnosis ..... 402  
 Brain power, Elderly ..... 22  
 Brain surgery, Palsy ..... 185  
 Brake, J. .... 37  
 Brandes, David ..... 223  
 Brehm, Bert G. .... 137  
 Bright, A. W. .... 178  
 British professionals ..... 72  
 British Railways ..... 235  
 Broadcasting tooth ..... 86  
 Brodeur, Armand E. .... 233  
 Brodie, Bernard B. .... 6  
 Bronchiectasis ..... 336  
 Broughton, W. B. .... 137  
 Brown, Halla ..... 80  
 Brown, Helen B. .... 328  
 Browne, Denis (Sir) ..... 191  
 Bownstein, George ..... 166  
 Bubble study kit ..... 128  
 Buchta, J. W. .... 66  
 Bucket seat ..... 16  
 Buesseler, John A. .... 275  
 Bullhead, Yellow ..... 40  
 Bunney, William E. .... 78  
 Burdine, Nathan  
   Theodore ..... 222  
 Burgess, Alex M. .... 180  
 Burke, J. F. .... 275  
 Burkert, Arthur S. .... 270  
 Burnet, Macfarlane ..... 374  
 Burnham, Donald C. .... 260  
 Burns ..... 128, 243, 295  
 Bush, Albert F. .... 313  
 Buyer's guide ..... 351  
 C-5A Mockup ..... 15  
 CTA-21 ..... 103  
 CURV cable ..... 309  
 Cachalot ..... 361  
 Cadaver grafts ..... 31  
 Cade, Thomas J. .... 34  
 Cake cutter-lifter ..... 128  
 Calcium deficiencies ..... 167  
 Caliper, Fixed ..... 319  
 Callow, Russell J. .... 77  
 Camera label holder ..... 112  
 Cameras ..... 77, 200, 287, 373  
 Cameron, D. Ewen ..... 386  
 Campbell, J. M. .... 88  
 Camping tool,  
   Universal ..... 416  
 Canada, Professionals ..... 72  
 Cancer ..... 22, 64, 86, 184,  
   256, 275, 312, 344, 355, 384  
 Cancer, Bladder ..... 112, 128  
 Cancer, Breast ..... 2, 194,  
   275, 312, 336, 360  
 Cancer, Colon ..... 312  
 Cancer, Diagnosis ..... 144,  
   153, 168  
 Cancer, Female ..... 98  
 Cancer, Heredity ..... 327  
 Cancer, Immunization ..... 360  
 Cancer, Lung ..... 96, 312  
 Cancer, Mother-child ..... 384  
 Cancer, Pregnancy ..... 388  
 Cancer, Stomach ..... 402  
 Cancer, Surgery ..... 2  
 Cancer cells ..... 240, 275  
 Cancer file ..... 140  
 Cancer pain ..... 211  
 Canned food ..... 164  
 Capillaries ..... 56  
 Capreomycin ..... 221  
 Car, Throw-away ..... 109  
 Car battery heater ..... 400  
 Car desk, Adjustable ..... 351  
 Car incinerator ..... 166  
 Car tester ..... 223  
 Car washer ..... 207  
 Car waxer and polisher ..... 240  
 Carbon dioxide ..... 105, 281  
 Card shuffler ..... 96, 287  
 Carlson, Chester F. .... 141  
 Carnall, Edward Jr. .... 222  
 Carpenter, Charles M. .... 168  
 Carpenter, Scott M. .... 54  
 Carter, Arlen E. .... 150  
 Carter, H. E. .... 404  
 Carter, Stefan A. .... 130  
 Cassidy, William A. .... 179  
 Cast iron, Ductile ..... 37  
 Castration anxiety ..... 278  
 Cat, Hearing loss ..... 131  
 "Cateye" ..... 342  
 Cats, DDT ..... 41  
 Cavagnaro, William A. .... 210  
 Cell membranes ..... 9, 243  
 Cell research ..... 361  
 Cell separation ..... 149  
 Centrifuge bottle ..... 240  
 Ceramic relics ..... 233  
 Chamman, Albert ..... 362  
 Chapman, David D. .... 109  
 Chapman, Sydney ..... 185  
 Charcoal lighter ..... 272  
 Chase, Deborah ..... 234  
 Chauncey, Henry ..... 22  
 Chemical warfare ..... 137  
 Chen, Richard J. .... 77  
 Cheedid, L. .... 244  
 Chicken pox, Deaths ..... 319  
 Chickens, Exercised ..... 326  
 Child abuse laws ..... 183  
 Childhood, Difficult ..... 259  
 Children ..... 25, 147, 400  
 Chimpanzee ..... 305, 311  
 China ..... 101, 297, 402  
 Chinchilla Aguilar,  
   Rolando ..... 219  
 Chinese films ..... 360  
 Chloramphenicol ..... 386  
 Chlorinization ..... 9  
 Chlorophyll, Synthesis ..... 279  
 Cholera, U.S. .... 6  
 Cholesterol ..... 2, 80, 326, 328  
 Christenson,  
   Charles H. .... 190  
 Christmas ..... 314, 378  
 Christopherson,  
   William M. .... 96  
 Chromatography ..... 336, 410  
 Chromophore ..... 21, 387  
 Chromosomes ..... 155  
 Chubb, Talbot A. .... 383  
 Cigarette, Medical ..... 150  
 Cigarette filters ..... 112,  
   240, 416  
 Cigarettes ..... 8, 25, 57,  
   63, 85, 88, 152  
 Circular slide charts ..... 128  
 Citrus fruit trees ..... 264  
 Civil Aeronautics  
   Board ..... 137  
 Civil Defense ..... 282  
 Civilization ..... 136, 298  
 Clark, J. Desmond ..... 361  
 Clark, Mildred I. .... 53  
 Clark, W. Bruce ..... 343  
 Clarke, R. W. .... 103  
 Classified information ..... 61  
 Cleaning tool, Surface ..... 31  
 Clear air turbulence ..... 120  
 Clearing house ..... 105  
 Cleaver, A. V. .... 71  
 Clemente, C. D. .... 341  
 Cliff, Edward P. .... 280  
 Clinch, J. A. D. .... 240  
 Clise, James D. .... 303  
 Clock, Nursery ..... 351  
 Close, Myron B. .... 194  
 Cloud seeding ..... 296  
 Coast map, Submerged ..... 277  
 Coatney, G. Robert ..... 35,  
   149  
 Cobb, Ben G. .... 112  
 Coburn, Richard J. .... 86  
 Cock crowing ..... 132  
 Cockle seeds ..... 8  
 Cockrell, Christopher  
   Sydney ..... 222  
 Coconut, Electricity ..... 264  
 Coggeshall, Lowell T. .... 24  
 Cohen, Seymour S. .... 361  
 Cohen, Wilbur J. .... 99  
 Coins, Silverless ..... 23  
 Cold welding ..... 181  
 Cole, Addison ..... 169  
 Cole, Henderson ..... 263  
 Collator-Jogger ..... 351  
 Collegates, Suicides ..... 278  
 Collis, Ronald T. H. .... 163  
 Colombo, Guseppe ..... 291  
 Color blindness ..... 190, 304  
   Insert the word total  
   before color blind-  
   ness, p. 190  
 Color projections ..... 410  
 Color vision, Blue ..... 184  
 Comet, Earth collision ..... 325  
 Comet Ikeya-Seki ..... 230,  
   246, 267, 286, 325, 387  
 Comet probes ..... 41  
 Comets, Decay ..... 59  
 Commission on Science  
   and Technology ..... 20  
 Communication ..... 79  
 Compressed speech ..... 214, 386  
 Computer, Medical ..... 8  
 Computermobile ..... 20  
 Computers ..... 67, 115,  
   140, 160, 172, 263,  
   265, 342, 366, 375  
 Conard, Robert ..... 344  
 Conn, Jerome W. .... 368  
 Connor, John T. .... 281  
 Conrad, Charles Jr. 102,  
   117, 181, 197  
 Contact lens ..... 14  
 Continental drift ..... 229, 297  
 Contour gauge ..... 336  
 Contraceptives ..... 16, 150,  
   240, 345, 351, 374, 400, 416  
 Cooper, Harold H. .... 75  
 Cooper, L. Gordon Jr.  
   102, 117, 181, 197  
 Copper-nickel coins ..... 23  
 Coral reefs ..... 252  
 Corday, Elliot ..... 89  
 Cori, Carl F. .... 9  
 Corn, Value to man ..... 250  
 Corn pollen, Swamp ..... 359  
 Coronary arteries ..... 242, 297  
 Coronary thrombosis ..... 340  
 Corsson, Guenter ..... 344  
 Corticosteroid drugs ..... 355  
 Cortisone, Effect ..... 114  
 Coser, Lewis A. .... 165  
 Cosmic rays ..... 165, 339  
 Cosmides, George J. .... 6  
 Costa Rica ..... 219

- Counterspying ..... 71  
Cowan, Clyde L. .... 168, 230  
Cowan, Gerald ..... 23  
Cows, Cool ..... 62  
Coyle, F. A. Jr. .... 105  
Cradle warmer ..... 167  
Cramer, H. Leslie ..... 214  
Crane, Donald E. .... 41  
Crash accidents ..... 265  
Cretins' thyroid ..... 16  
Crile, George ..... 2  
Crowson, Fred B. .... 222  
Crumb, Carl B. Jr. .... 61  
Cryosurgery ..... 213, 327  
Crystal growth, Gel ..... 379  
Cummings, Alfred J. .... 342  
Cup, All-purpose ..... 96  
Curve, Adjustable ..... 64  
Cutlery knives ..... 80  
Cutshall, Benjamin J. .... 244  
Cyclamate ..... 281  
Cyclobutadiene ..... 75  
Cypriolidol ..... 194  
Cytomel ..... 2
- 
- DDT ..... 21, 56, 155, 169  
DEW line ..... 230  
DNA ..... 37, 53, 115  
DNA model ..... 16  
Dahl, Calvin M. .... 222  
Daisies, Lethal ..... 196  
Dajany, Omar ..... 109  
Dally, Roy ..... 410  
Dalton, Albert J. .... 261  
Danforth, Howard B. .... 200  
Danish Iron Age ..... 66  
Davies, Paget ..... 172  
Davis, Edward M. .... 3  
Davis, Frank W. .... 343  
Davis, Hugh ..... 144  
Davis, M. Edward ..... 275  
Davis, Watson ..... 388, 403  
Daw, Nigel W. .... 410  
Dawbin, W. H. .... 229  
Day, John A. .... 262  
Daykin, Donald R. .... 270  
de Aranches, Dunshee ..... 197  
Deafness ..... 131, 207  
Death, Premature ..... 180  
Death by prophesy ..... 144  
DeBakey, Michael E. .... 295  
Debye, Peter J. W. .... 404  
Deceleration device ..... 3  
Decker, Robert W. 231, 325  
Decker, Wayne L. .... 296  
Deep, Anthony A. .... 31  
Deep diving CURV ..... 309  
Deep drilling ..... 216  
Deep-sea research ..... 54, 249  
Deep-sea sounding ..... 101  
Deep sea tracks ..... 273, 276  
Deep-space probe ..... 257  
Degree value ..... 36  
Delaney, Donald W. .... 249  
Delinquent, Potential ..... 323  
Demonstrators ..... 297, 302  
Denes, Peter B. .... 265  
Denmark ..... 24  
Dental research ..... 86  
Dental tartar ..... 121  
Dentures ..... 185, 223  
Desalination ..... 57, 247, 294  
Desipramine ..... 311  
Desk pen set ..... 240  
Desoldering tool ..... 240  
Developing countries ..... 280  
Diabetes, Misdiagnosed ..... 368  
Diabetics, Pancreas ..... 371  
Diamond, Red glow ..... 216  
Diamox ..... 83  
Diaz-Bonnet, Rafael B. .... 351  
Dickie, Margaret ..... 95  
Diczfalusy, Egon ..... 416  
Diets ..... 313, 328  
Dietz, Robert S. .... 229  
Dinosaur, New species ..... 101  
Dinosaur bone ..... 113, 122  
Discoveries, Future ..... 198  
Disks, Space power ..... 89  
Dissonance theory ..... 214  
Diuretic, Safe ..... 88  
Diurnal cycles ..... 181  
Diver's wireless ..... 270  
Diving chamber ..... 361  
Dobbs, Edward C. .... 326  
Dobyns, Brown M. .... 310  
Dock, William ..... 2  
Dog brain ..... 307  
Dog collar, Electronic ..... 111  
Dog leash, Retractable ..... 207  
Dogs, Matings ..... 258  
Dole, Vincent P. .... 160  
Dolley Madison Award ..... 265  
Domes, Truncability ..... 190  
Domino, Edward F. .... 310  
Donomae, Imasato ..... 221  
Doster, B. E. .... 221  
Douglas, Paul H. .... 167
- Doxiadis, Constantinos ..... 298  
Doyle, Stephen E. .... 197  
Drain's whirl ..... 185  
Dreaming, Ulcer ..... 22  
Drill, Cordless ..... 416  
Drill, Melting ..... 41  
Drinking ..... 29, 360  
Dritz, Arthur ..... 383  
Driving tests, Army ..... 344  
Drought ..... 73, 81, 90  
Drug addiction ..... 87  
Drugs ..... 3, 6, 64, 88, 130, 172, 226, 386, 393  
Dry ice, Spacecraft ..... 73  
Dryden, Hugh L. .... 127, 404  
Dubos, Rene Jules ..... 280  
Duhig, James T. .... 114  
Dunn, John P. .... 150  
Dunning, John R. .... 20, 218  
Durkee, Everett L. .... 30  
Dust storms ..... 110  
Dyson, Freeman J. .... 70
- 
- ELDO ..... 71  
ESP ..... 264  
Ear, Removing beetles ..... 200  
Ear diseases, Diagnosis ..... 382  
Early man ..... 216  
Earth, Glow ..... 246  
Earth satellite, Natural ..... 179  
Earth science ..... 144  
Earthquakes ..... 169, 215, 283  
Earth's crust, Origin ..... 195  
Earth's mantle 26, 169, 216  
Eaton, Jerry P. .... 40  
Eaton, William W. .... 14  
Eccles, John C. .... 243  
Echo apparatus ..... 166  
Eclipse, Annular ..... 356  
Ecumenopolis ..... 289, 298  
Education ..... 67, 328  
Egg holder, Aluminum ..... 191  
Egg shell membrane ..... 93  
Eggs, Salmonella ..... 164, 303  
Egyptian mummy ..... 21  
Eisenhower, Dwight D. .... 340  
Eisenman, Russell ..... 105  
Eklund, LaVerne G. .... 366  
Electric blender ..... 16  
Electric car kit ..... 144  
Electric power ..... 329, 339  
failure ..... 360  
Electric shaver, Auto ..... 160  
Electrical currents ..... 287  
Electricity 37, 185, 242, 264  
Electrodialysis ..... 247  
Electroforming ..... 286  
Electron beam ..... 41, 107  
Electrons, Extra ..... 120  
Elements, Chart ..... 304  
Ellot, Frankee Page ..... 66  
Embossing machine ..... 160  
Emerson, George ..... 75  
Emphysema ..... 2  
Employment record ..... 128  
Encephalitis ..... 116  
Endotoxin ..... 244  
Engel, Celeste G. .... 308  
Energy, Cosmic ..... 339  
Engine damage ..... 118, 201  
Engineers 56, 88, 297, 377  
Enteric fever ..... 244  
Enzymes ..... 6, 168, 191, 261, 307, 340, 355  
Epilepsy ..... 167, 341  
Epperson, Susan ..... 386  
Erlanson, Marion E. .... 149  
Erpenbach, Hubert ..... 14  
Ervin, Frank ..... 211  
Estrogen, Value ..... 3  
Estuaries, Fertile ..... 249  
Ethambutol ..... 221  
Eulberg, Alvin C. .... 83  
European space group ..... 71  
Evans, I. Antice ..... 402  
Evans, Lilley A. .... 61  
Evans, R. W. .... 103  
Everglade kite ..... 142  
Evolution suit ..... 386  
Ewell, Raymond ..... 374  
Exer-Genie ..... 358  
Exercise, Stress ..... 313  
Exercise shoe ..... 172  
Extrasensory perception ..... 264  
Eye bath unit ..... 351  
Eye cancer ..... 327  
Eye hazard, Lasers ..... 416  
Eye protectors, Pilot's ..... 55  
Eyes ..... 275, 310, 327
- 
- Falcons, Airfields ..... 217  
Falls, J. B. .... 137  
Faludi, Georgina ..... 355  
Family therapy ..... 47  
Farber, Maurice L. .... 111  
Farrar, W. E. .... 244  
Fayed, James J. .... 109  
Federal reserve aid ..... 328  
Feinstein, Robert N. .... 373  
Feldman, Daniel ..... 256  
Fellic, N. J. .... 178  
Fencing, Ornamental ..... 272  
Ferebee, Shirley H. .... 221  
Ferredoxin ..... 248  
Ferromagnetism ..... 339  
Fertility control, Men ..... 400  
Fever blister ..... 116  
Feynman, Richard P. .... 279  
Fiber optical tools ..... 342  
Fiberboard ..... 121  
Film, Edible ..... 250  
Filson, George W. .... 239  
Finch, Harold L. .... 228  
Finch, Stuart C. .... 402  
Fire finding pistols ..... 61  
Fire prevention signs ..... 68  
Firstborns ..... 311  
Fischer, Robert L. .... 308  
Fish ..... 232, 344, 361  
Fisher, Hans ..... 80  
Fishing industry ..... 312  
Fishing rod holder ..... 272  
Fiske, Richard S. .... 231  
Flashers ..... 191  
Flask holder ..... 336  
Flatworms ..... 267  
Flax stalks ..... 88  
Fleicher, Robert L. .... 89  
Flett, William J. .... 14  
Fligsten, K. E. .... 416  
Fluorescent light ..... 16  
Fluorides ..... 373  
Fluorine 22 ..... 246  
Flyers, High altitude ..... 370  
Folsom, T. R. .... 143  
Food irradiator ..... 45  
Food poisoning ..... 244  
Food production ..... 265  
Foot warmer, Electric ..... 256  
Ford, James A. .... 233  
Forensic medicine ..... 232  
Forest fires, Spotter ..... 233  
Forests, Developing ..... 30  
Countries ..... 280  
Forsman, Arnold H. .... 30  
Forsman, Werner ..... 345  
Fossil kit ..... 47  
Fossils, Clam-like ..... 359  
Foster, Stanley O. .... 216  
Foundations, Trustees ..... 56  
Fox, R. C. .... 107  
Fox, Ruth ..... 370  
Fox, Samuel M. III ..... 223  
Fraleigh, Claud M. .... 329  
Francis, O. .... 115  
Franklin medal, Seitz ..... 248  
Fredga, Karl ..... 110  
Freeways, Greenbelts ..... 313  
Fret, Emil III ..... 6  
Freisinger, Ference S. .... 256  
French satellite ..... 358  
Fresnedo Siri, Roman ..... 217  
Freud, Anna ..... 265  
Freudian theory ..... 278  
Friedhoff, Arnold J. .... 323  
Friedman, Emmanuel ..... 128  
Friedman, Herbert L. .... 214  
Frogs ..... 130, 319  
Frozen foods, Refrozen ..... 329  
Fruit chute ..... 77  
Fuchs, Edward ..... 295  
Fuel, Solid all-purpose ..... 256  
Fuel cells ..... 25, 34, 151, 235  
Fuller, John L. .... 131  
Fuller, R. Buckminster ..... 118, 190  
Fungus-resisting plants ..... 110  
Delete fungus-fighting
- 
- Fusion plasma ..... 181
- 
- Gabon ..... 180  
Gadget gripper ..... 287  
Galaxy, Quasar ..... 94  
Gallbladder operation ..... 243  
Games ..... 36, 313  
Gamma rays ..... 291  
Gang nails ..... 223  
Garage door opener ..... 272  
Garden misting device ..... 64  
Gardner, John W. .... 67  
Gas bubbles ..... 37  
Gas endarterectomy ..... 341  
Gas jets ..... 227  
Gasbuggy ..... 27  
Gastrocamera ..... 373  
Gatewood, Olga M. B. .... 281
- 
- Gaynor, Joseph ..... 118  
Gebel, Radames K. H. .... 342  
Gebhard, Paul ..... 68  
Gemini 4 ..... 34, 397  
Gemini 5 102, 117, 151  
197, 246, 343  
Gemini 6 ..... 197, 302, 402  
Gemini 7 ..... 197, 402  
Gemini 8 space walk ..... 233  
Genes ..... 131, 182, 227  
Geochemical kit ..... 272  
Geodetic domes ..... 118  
Geological map ..... 7  
George, John L. .... 56  
Gerard, Robert D. .... 345  
German-free hands ..... 69  
German measles ..... 169, 243, 256, 293  
Germicidal towelettes ..... 287  
Getchell, Nelson F. .... 118  
Geysers, Lighting ..... 57  
Gibberellin, Trees ..... 62  
Gibbons, Joseph ..... 201  
Gil-Av, Emanuel ..... 361  
Gilbert, Herbert A. .... 150  
Gilmore, J. E. .... 264  
Githens, John H. .... 64  
Gjessing, Erland C. .... 6  
Glaser, Kurt ..... 293  
Glasser, Peter E. .... 328  
Glass, Muriel Henry ..... 166  
Glass, Shock-resistant ..... 93  
Glass bullets ..... 18  
Glass filter funnel ..... 319  
Glaucouma ..... 327  
Glick, Leslie J. .... 172  
Glick, Mary C. .... 361  
Goddard, Robert H. .... 50  
Golay, Marcel J. E. .... 410  
Gold, Thomas ..... 5  
Goldberg, Gershon M. .... 383  
Golden, Joshua ..... 22  
Goldman, Leon ..... 52  
Golf balls ..... 191, 272  
Golfometer ..... 351  
Goltz, Robert W. .... 272  
Gonder, Maurice J. .... 213  
Gonderman, Robert ..... 124  
Gondwana ..... 229  
Gondilova, V. V. .... 336  
Gorski, Roger A. .... 130  
Gottschalk, Alexander ..... 226  
Gottschalk, John S. .... 249  
Goyer, Guy G. .... 57  
Graft, Arnold ..... 261  
Grafts, Skin ..... 31  
Graham, John ..... 336  
Grain productivity ..... 62  
Gram, Andrew L. .... 143  
Grasshoppers, Mimic ..... 137  
Grater and bowl ..... 319  
Gray, Allan P. .... 194  
Graying process ..... 233  
Green, Anthony ..... 221  
Greenberg, Bradley S. .... 260  
Gregg, Charles ..... 149  
Gregory, L. P. .... 249  
Grench, H. A. .... 246  
Griffen, Allen B. .... 115  
Griffin, Plaque ..... 309  
Griminger, P. .... 80  
Ground squirrel ..... 184  
Groundnuts, Aflatoxin ..... 87  
Gruber, Ellis ..... 327  
Guatemalan Science Fair ..... 219  
Guerrilla warfare ..... 137  
Guier, William H. .... 30  
Guiffre, Joseph A. .... 301  
Gulf stream ..... 54  
Gusewitch, Lorraine ..... 14
- 
- Hadley, G. D. .... 373  
Hadramaut plateau ..... 397  
Hadwen, Theodore ..... 165  
Hafs, Harold ..... 307  
Hagopian, Nathan ..... 301  
Hair ..... 232, 233, 287  
Hale, O. M. .... 62  
Hall, Harlow W. .... 187  
Hall, John S. .... 51  
Hall, Lawrence B. .... 50, 74  
Hallenbeck, George A. .... 243  
Halley's comet ..... 41  
Halothane ..... 344  
Halverson, Steven L. .... 291  
Hamburger, Robert N. .... 386  
Hamer, John H. .... 29  
Hand stamp ..... 207  
Handwriting reader ..... 141  
Hanfmann, George M. A. .... 309  
Harper, P. .... 323  
Hart, A. B. .... 185  
Hart, F. Dudley ..... 373  
Hart, Phillip A. .... 226  
Hartley, Jack L. .... 86
- 
- Hartman, Bruce O. .... 168  
Haruna, Ichiro ..... 227  
Haskin, Larry ..... 195  
Hassall, A. F. A. .... 104  
Hassialis, M. D. .... 5  
Hastings, Frank ..... 213  
Haumann, Wilfried ..... 141  
Hauser, Philip M. .... 36  
Hawks ..... 132  
Haworth, Leland J. .... 264  
Hayes, J. R. .... 416  
Haynes, William C. .... 187  
Haystack, Radio ..... 353, 356  
Heal, Ralph E. .... 374  
Heart, Aging ..... 2  
Heart, Artificial ..... 213  
Heart, X-ray movies ..... 242  
Heart attacks ..... 272, 328, 340  
Heart disease ..... 52, 116, 180, 211  
Heart massages ..... 160, 345  
Heart murmurs ..... 144, 371  
Heart pacemaker ..... 9, 161, 169, 233  
Heart valve ..... 295, 329  
Heartbeats, Ticking ..... 78  
Heat shield ..... 18  
Heersema, Philip H. .... 191  
Heezen, Bruce C. .... 276  
Heisenberg principle ..... 72  
Hell-Scoop ..... 151  
Helicopters ..... 151, 323  
Heller, Carl G. .... 400  
Heller, George G. .... 67  
Hellmann, K. .... 211  
Hellstrom, Gustav ..... 340  
Hemophilias ..... 149  
Henisch, Heinz K. .... 379  
Hennig, Robert J. .... 254  
Hereditary disease risk ..... 115  
Hermalin, Albert I. .... 280  
Heroin addicts ..... 160  
Herpes simplex ..... 2, 116  
Herting, David C. .... 402  
Hess, Harry H. .... 197  
Hewser, Gunnar ..... 341  
Hewett, D. Foster ..... 23  
Hewish, A. G. .... 5  
Hexagonal fastener ..... 336  
Heyns, Ockert S. .... 239  
Hibernation ..... 227  
Hickam, W. M. .... 37  
Hickey, J. J. .... 169  
Higgins, Irwin R. .... 77  
Higgins, L. L. .... 310  
Highway safety ..... 14, 38, 304  
Hiker's pack ..... 80  
Hilgard, Ernest R. .... 259  
Hiltner, W. Albert ..... 59  
Hiltz, Frederick F. .... 366  
Hinderer, Kenneth ..... 98  
Hinselwood, Cyril ..... 182  
Hirschhorn, Kurt ..... 115  
Histones ..... 227  
Hjette, George ..... 270  
Hoagland, Robert J. .... 64  
Hobbs, Norman L. .... 239  
Hodgkin's disease ..... 376  
Hoffman, William A. .... 296  
Hoglund, Bertil ..... 179, 264  
Hogs, Feeding system ..... 62  
Holden, H. B. .... 400  
Holden, Julia ..... 218  
Holders ..... 256, 400  
Holley, Robert W. .... 323  
Hollister, Leo E. .... 3  
Holtan, Hans ..... 95  
Holton, Gerald ..... 66  
Home fire alarm ..... 256  
Home water filter ..... 400  
Homocystinuria ..... 131  
Homosexuals, Treated ..... 191  
Honey mesquite ..... 248  
Hood, E. E. .... 40  
Hookworm disease ..... 196  
Hope diamond ..... 216  
Hormones, Steroid ..... 341  
Horne, Daniel ..... 85  
Hornig, Donald F. .... 283  
Horwitz, Lawrence P. .... 93  
Hospital staff, Rubella ..... 169  
Hospitals, Instruction ..... 98  
Hospitals, Medicare ..... 114  
Hovercar ..... 104  
Howard, Jan ..... 136  
Howard, Larry Dean ..... 175  
Howison, Charles N. .... 262  
Hsu, S. Y. Li ..... 47  
Huang, Ru-chih ..... 227  
Hudson, Craig C. .... 104  
Huebner, Robert J. .... 36, 184  
Hummingbird feeder ..... 96  
Hunting knife ..... 128  
Hurricane Betsy ..... 391  
Hurricane seeding ..... 40  
Hurst, Victor ..... 402  
Hurvitt, Elliott S. .... 281  
Husband, Household ..... 345  
Hussey, Hugh H. .... 85  
Hybl, Albert ..... 9  
Hydras ..... 206  
Hydrofoil ..... 45, 89

- Hydrogen, Star study .. 179  
Hydrogen bomb .. 55  
Hyman, Albert S. .... 371  
Hypertension, Deaths .. 136  
Hypnosis .. 264  
Hypothalamus .. 130
- IQ, Aging .. 22  
ITA alphabet .. 139  
IUCD .. 150, 240, 374  
Ice, Prediction .. 105  
Ichikawa .. 274  
Ikawa, M. .... 244  
Ikeys, Kaoru .. 230, 246, 267, 286
- Immigration,  
Professional .. 72  
Immunitization studies .. 248  
Impish figure .. 400  
Incaparina .. 370  
Incinerator .. 141  
Indian Ocean floor .. 308  
Industrial diseases .. 280  
Indomethacin .. 373  
Infant deaths .. 96, 180  
Infant recliner .. 416  
Influenza .. 56, 163  
Information retrieval .. 153  
Infrared heater .. 368  
Infrasonic noise levels .. 324  
Ingram, T. T. S. .... 147  
Inoue, Kiyoshi .. 239  
Insect control .. 152, 312  
Insect repellent .. 80  
Insulin .. 25, 258  
Interceptor record .. 152  
International Science  
Fair .. 245  
International Science  
Youth Program .. 173  
Iodice, A. A. .... 191  
Ions, Motion .. 243  
Iron, Excess .. 46  
Irrigation .. 105  
Isolation technique .. 35
- Jackson, Don D. .... 29  
Jackson, Ray D. .... 215  
Jaeger, J. Rudolph .. 371  
Jacob, Francois .. 261  
Jacobson, Allan L. 22, 114  
Jacobson, Jerry H. .... 310  
James, Douglas .. 155  
Jankowski, Letantia B. 174  
Japan, Antarctica .. 294  
Japanese beetle .. 187  
Omit disease, first  
sentence
- Jar cap remover .. 80  
Jar cover .. 31  
Jeffrey, Geoffrey .. 35  
Jellyfish, Moon .. 221  
Jet starter .. 93  
Jet travelers .. 24  
Johnson, Carroll E. .... 334  
Johnson, Clarence L. .... 404  
Johnson, Crozet W. .... 313  
Johnson, Erland W. .... 104  
Johnson, Harry G. .... 72  
Johnson, Karl M. .... 21  
Johnson, Lyndon B. 23, 151, 197, 199, 243, 245  
Johnson, Roger T. .... 38  
Johnston,  
William D. Jr. .... 7  
Jones, Robcliff V. .... 265  
Jordan, Joseph G. .... 334  
Junk car problem .. 136
- Kabell, Louis J. .... 342  
Kagan, Abraham .. 140  
Kallin, Eloise .. 42  
Kamen, Ira .. 270  
Kang, Wu Ju .. 297  
Kangaroo count .. 79  
Kantor, S. Zvi .. 128  
Kaplan, Joseph .. 185  
Kappel, Frederick R. .... 142  
Kardashev, N. S. .... 179, 264  
Kashar, Arnold .. 24  
Kassartian, Harold H. 214  
Kasugamycin .. 274  
Katsoyannis, P. G. .... 258  
Katz, Alfred H. .... 149  
Kaufman, Maxime 25, 342  
Keating, Raymond Jr. 310  
Kelley, Thomas F. .... 112  
Kellcutt, K. Q. .... 121  
Kelly, Marvin J. .... 150  
Kelman, LeRoy R. .... 61
- Kelsey, Frances O. .... 374  
Kennedy medal .. 400  
Kennedy's death .. 260  
Kent, J. A. .... 294  
Kenyon, Richard L. .... 137  
Keogh, E. V. .... 233  
Keogh, Jack .. 200  
Keratoses .. 384  
Kerchoff, A. C. .... 345  
Kester, Ralph C. Jr. .... 334  
Ketchum, Alfred S. .... 52  
Keyhole saw .. 47  
Kiddle chair .. 384  
King, James Jr. .... 328  
Kinnard, Clairborne H. 366  
Kirichenko, F. G. .... 62  
Kister, Sven J. .... 275  
Kistner, Robert W. .... 3  
Kjellberg, Raymond N. .... 152, 185
- Klein, Richard G. .... 359  
Klein, Robert F. .... 272  
Kneutgen, Johannes .. 78  
Knoblock, Edward C. .... 181  
Koff, Willem .. 213  
Kornfield, Donald S. .... 116  
Kornhauser, William .. 302  
Koury, Frederic .. 310  
Kra, Siegfried J. .... 46  
Krause, Keith S. .... 318  
Krevans, Julius R. .... 115  
Kudo, Tatsuyuki .. 213  
Kuhl, Otto A. .... 45  
Kyser, A. C. .... 51
- LSD .. 342, 370  
Labeling .. 184, 293  
Laboratory battery .. 160  
Laboratory detergent .. 112  
Laboratory dispenser .. 240  
Lake mud, DDT level .. 169  
Lake surges .. 8  
Lamp, Lucalox .. 280  
Lamp, Universal .. 416  
Land, Edwin H. .... 77, 410  
Landing spacecraft 82, 83  
Landslides, Submarine .. 143  
Langenberg, Donald N. 184  
Language chart wheel .. 128  
Lapayowker, Marc S. .... 382  
LaQue, Francis .. 28  
Larrick, George P. 293, 376  
Larson, Rachel H. .... 172  
Lasagna, Louis .. 345, 374  
Laser radar .. 405  
Lasers .. 52, 86, 211  
Lasers, Eye hazards .. 416  
Lasker Awards .. 323  
Latin America .. 217  
Latson, Claude H. .... 198  
Lattimer, John K. .... 112  
Laughing sickness .. 374  
Lawler, Joseph J. .... 416  
Lawn mower blade .. 416  
Lawn sprinkler .. 319  
Layton, W. M. Jr. .... 88  
Lead, Safe levels .. 201  
Leaf loader .. 368  
Learning by teaching .. 67  
Learning transfer .. 386, 403  
Lederman, Leon M. .... 404  
Leet, L. Don .. 169  
Leider, William .. 116  
Leigh, D. S. .... 121  
Leighton, Robert B. .... 178  
Leitner, Gordon F. .... 294  
Leonids .. 347  
LeShan, Lawrence .. 22  
Leukemia .. 6, 64, 86, 135, 172, 223, 261, 386  
Levin, George M. .... 83  
Levitt, Donald .. 326  
Lewis, Warren Kendall 404  
Lewison, Edward F. .... 2  
Libby, W. F. .... 5  
Library demands .. 105  
Lichtenstein, Joseph .. 310  
Lichter, I. .... 9  
Lie dection devices .. 106  
Life, Synthesized .. 53  
Life, Test tube .. 195, 227  
Light beams .. 325, 334  
Light-dark rhythm .. 24  
Light ranging .. 163  
Lighting system .. 368  
Lightning .. 57, 79, 121, 233  
Lilly, Lorna J. .... 87  
Limewater, Teeth .. 207  
Limpet, Dunce-cap .. 382  
Lincolin .. 313  
Lincoln autopsy .. 112  
Linkswiler, Hellen .. 99  
Lippes, Jack .. 374  
Lippes loop .. 240, 374  
Liquids, Measuring .. 120  
Lithium compounds .. 184  
Little, Clarence Cook .. 152  
Liver .. 244, 304, 340, 344  
Lockhart, William E. .... 99
- Loeb, Sidney .. 57  
Log sorting .. 193  
Lohr, Thomas E. .... 301  
Longevity .. 280  
Lourie, Reginald S. .... 249  
Louell, James .. 402  
Lowe, Edison .. 30  
Lowman, Paul D. Jr. .... 328  
Lubricants .. 41, 64  
Ludwig, John H. .... 201  
Lundberg, Phillip .. 101  
Lung, Blood clot .. 304, 368  
Lung, Surgery .. 336  
Lung disease, Farmer's .. 200  
Luthmer, Carmen .. 219  
Lwoff, Andre .. 261  
Lyons, Richard B. .... 327
- McCann, M. M. .... 114  
McClellan, John L. .... 20  
McClure, Frank .. 70  
McDevitt, Thomas J. .... 287  
McDonald, R. E. .... 246  
McDougal, Myres .. 197  
McGovern, W. E. .... 291  
McGuire, Joseph .. 319  
McIntosh, Henry D. .... 296  
MacKenzie, Vernon G. 269  
McKusick, Victor A. .... 131  
McLean, Max C. .... 216  
McMurdo reactor .. 195  
McNair, Andrew H. .... 359  
McNamara, Robert 57, 282  
McNaney, Joseph T. .... 410  
McPherson, James R. .... 383
- MOL .. 151, 168  
Maculine .. 339  
Madigan, Emmet .. 374  
Madrid's water supply .. 73  
Magnet variety kit .. 223  
Magnetic-base light .. 223  
Magnetic game .. 112  
Magnetic reader .. 270  
Magnetic rod .. 104  
Magneto generator .. 304  
Magnifying glasses .. 351  
Mailbox, King-size .. 172  
Malaria .. 35, 149  
Malifaud, Pierre .. 118  
Malocclusion .. 114  
Maluf, Noble S.R. .... 35  
Mandel, Jerome H. .... 30  
Manhold, John H. Jr. .... 329  
Mansfield, Peter B. .... 169  
Maps .. 7, 94, 263, 277  
Marcus, Philip I. .... 256  
Marley's syndrome .. 131  
Margulies, Lazar .. 150  
Marigolds, Nematodes .. 110  
Mariner 4 .. 15, 17, 19, 51, 119, 215  
Mariner 4  
photographs .. 65, 74, 82, 83, 103  
Maritime law .. 197  
Market cart .. 14  
Marley, Harry .. 73, 136  
Marriage, Bargaining .. 29  
Mars, Atmosphere .. 51, 75, 83, 215  
Mars, Distance .. 119  
Mars, Life on .. 50, 74, 163  
Mars, TV images .. 19  
Mars craters .. 82, 83, 103  
Mars map .. 51  
Marsden, Ernest (Sir) .. 240  
Marshall, John S. .... 100  
Marshall, Charles B. .... 89  
Martelli, Luigi .. 270  
Martin, Robert F. .... 45  
Marton, Theodore .. 153  
Marx, Karl .. 185  
Mason, J. .... 402  
Mass media .. 260  
Materials, Composite .. 5  
Matter, Created .. 72  
Matthias, Brend T. .... 339  
Maxwell, Moreau .. 24  
Mayan cities .. 263  
Mayer, Jean .. 140  
Change She quotes to  
read He quotes
- Mazurkiewicz, Albert .. 139  
Mead, Margaret .. 36, 298  
Medical care, Seamen .. 41  
Medical centers .. 85  
Medical data library .. 153  
Medical education .. 24, 351  
Medical information,  
Computer .. 326  
Medical instruction, TV .. 98  
Medical schools, New .. 377  
Medical students .. 116  
Medicare .. 2, 85, 99, 114, 167
- Medina, Jose T. .... 351  
Meeker, Delbert B. .... 366  
Meerlo, Joost A.M. .... 47  
Meinsma, L. .... 57  
Meier, Richard .. 299  
Meigs, Pervil .. 294  
Membrane filter .. 16  
Memory drugs .. 386  
Memory recall, Aging .. 400  
Memory transfer .. 114, 386, 403
- Mending kit .. 304  
Meneley, Carl A. .... 61  
Menopause .. 275  
Mer-29 .. 326  
Mercury rotation .. 291  
Mergenhausen, S. E. .... 244  
Metabolism, Abnormal .. 323  
Metal strength .. 278  
Metals, Artificial .. 5  
Metals, Cracks .. 41  
Meteor showers .. 347  
Meteorite, China .. 402  
Meteorites .. 72, 179, 259, 377  
Meteoroid, Simulated .. 50  
Meteoroid flux .. 117  
Methadone .. 160  
Methanol fuel cell .. 185  
Methylphenidate .. 64  
Meyer, John S. .... 384  
Mezger, Peter G. .... 179  
Mice, Swimming .. 355  
Michenfelder, John D. 341  
Microcontinents .. 229  
Microfilm reader .. 172  
Micrometeoroids .. 18  
Middlekamp, J. Neal .. 147  
Miglicvsky, Bert B. .... 239  
Migratory flights .. 132  
Milhorat, A. T. .... 355  
Military aid .. 344  
Military  
communication .. 24  
Military space tasks .. 83  
Milk, De-radio-  
activated .. 77, 239  
Milky disease .. 187  
Milky Way .. 11, 94, 179  
Miller, Dean D. .... 358  
Miller, George P. 20, 72  
Miller, James N. 168, 376  
Miller, Stanley .. 10  
Minassalan, Serge .. 183  
Mineral production .. 313  
Minerals, New .. 163  
Minerals collection .. 5  
Minks, Low birth rate .. 249  
Miraculous fruit .. 329  
Missile destroyers .. 93  
Missile restraining .. 222  
Mites, Infected .. 264  
Mitochondria, Nuclear .. 223  
Mixer stirrer .. 336  
Mobility test .. 200  
Mobley, Frederick F. .... 70  
Mohandao, G. J. .... 143  
Mohler, Stanley .. 265  
Mohole .. 26, 195, 216  
Molecular model kit .. 384  
Molecules, Extra  
electrons .. 120  
Molecules, Solids .. 328  
Molodova site .. 359  
Moloney, John B. .... 261  
Molybdenum drill .. 41  
Moncrief, John A. .... 295  
Monkeys .. 87, 149  
Monod, Jacques .. 261  
Monohex .. 118  
Mononucleosis .. 167, 304  
Montessori method .. 375  
Moon, Backside .. 133  
Moon, Bulge .. 356  
Moon, Surface .. 89, 358  
Moon bases .. 328  
Moon landing tests .. 39  
Moon miners .. 102  
Moon walker .. 97, 102  
Moore, James C. .... 143  
Moore, Wilbert E. .... 165  
Mordan, Joseph R. .... 109  
Morgan, D. J. .... 221  
Morgan, L. L. .... 82  
Morgan, Russell H. .... 242  
Morton, William E. .... 296  
Moses, Robert .. 260  
Mosquitoes .. 88, 149  
Moss, Hilda L. .... 313  
Moths, Plastics-eating .. 72  
Moulder, Peter V. .... 101  
Moyer, Carl A. .... 295  
Mueller, Helmut C. .... 132  
Multi-service designs .. 57  
Mumford, Lewis .. 216  
Mumps .. 152, 223  
Munz, Walter .. 180  
Murayama, Masayoshi. 294  
Murphy, E. V. .... 360  
Murphy, Walter .. 275  
Murray, F. J. .... 221  
Muscles .. 9, 256  
Muscular  
dystrophy .. 191, 248, 355
- Museums .. 122  
Muslim movement .. 165  
Mutation .. 95, 217  
Myers, Eugene N. .... 207  
Myers, Huston K. .... 329
- Nafziger, R. H. .... 325  
Nagy, Andre .. 87  
Nagy, Bartholomew .. 259  
Nail, Double-headed .. 287  
Nalorphine .. 87  
Naphthaline, Pure .. 228  
Narcotics addicts .. 16  
Nasal surgery .. 98  
Nassimbene, Ernie G. .... 45  
Natselton, Samuel .. 167  
National Medal of  
Science .. 404  
National Youth  
Science Camp .. 40  
Natural gas yield .. 27  
Navigation, Apollo .. 18  
Navigation satellites .. 153  
Naylor, H. .... 41  
Neanderthal man link .. 359  
Nees, Paul O. .... 281  
Negev desert .. 123  
Negroes .. 36, 120, 136, 165  
Neiburger, Morris .. 136  
Nelson, Lorne .. 115  
Nelson, Robert S. .... 153  
Nematode pest .. 110  
Nene goose, Hawaii .. 11  
Neuberger, Maurice .. 85  
Neugarten, Bernice L. .... 22  
Neugebauer Gerry .. 178  
Neuhauser, Irene .. 93  
Neurosurgery .. 211, 341  
Neurotic animals .. 194  
Neutrino detector .. 230  
Neutrinos, Natural .. 168  
Neutron radiation .. 217  
Neutrons, HFBR .. 312  
Nevin, N. C. .... 16  
Newby, Glen .. 247  
Newcastle disease .. 256  
Newspapers, Insects .. 152  
Ney, E. P. .... 246  
Nicolet, Marcel .. 185  
Nicotine, Sleeping cats .. 310  
Nielsen, Svend .. 66  
Night light, Flower .. 416  
Nikaido, Hiroshi .. 244  
Nitrate poisoning .. 44  
Nitrogen, Identification .. 246  
Nobel Prizes .. 261, 279  
Noble, Vincent E. .... 105  
Noehren, Theodore H. .... 2  
Nogradi, Miklos .. 150  
Noise, Nuclear  
reactions .. 179  
Norris, Dale M. .... 232  
Norris, Kenneth S. .... 361  
Novak, Yanosh .. 31  
Nowick, Arthur S. .... 259  
Nuclear detection .. 71, 121  
Nuclear digging .. 54  
Nuclear explosives .. 27  
Nuclear fuel .. 195  
Nuclear power costs .. 200  
Nucleotide molecules .. 195  
Nucleus, Theory .. 259  
Nuffer, Harold D. .... 45  
Nurses, Shortage .. 53  
Nurses' training .. 89  
Nut fastener, Blind .. 96  
Nyswander, Marie .. 160
- OGO-C satellite .. 264  
Ocean floor core .. 361  
Ocean floor tracks 273, 276  
Ocean science .. 43  
Ocean sounds .. 229  
Oceanographic  
research .. 24, 54  
O'Connor, James E. .... 61  
O'Connor, Gregory .. 355  
Octopus .. 399  
Oettinger,  
Katherine B. .... 183  
Offshore oil .. 43  
Oil drilling rig .. 43  
Oil tank, Bottomless .. 27  
Okapis, Zoo .. 120  
Okaya, Y. .... 85  
Old people's home .. 362  
Op art .. 337, 342  
Oppenheimer,  
Robert J. .... 198  
Optical amplifier .. 342  
Orbiting astronomer .. 163  
Ordy, J. Mark .. 87  
Orion, Space  
propulsion .. 70  
Orti, Ronald A. .... 402  
Oro, J. .... 377



- Orr, David B. 214  
Osara, Nils A. 280  
Osborn, Elburt 5  
Osmosis, Reverse 57, 247  
Osteomyelitis 313  
Osteoporosis 201, 275, 373  
Oster, Gerald 342  
Oswald, William J. 93  
Ovulation 3  
Owen, Tobias 163  
Owens, Ronald Gene 3  
Oxygen layer, Ariel 203  
Oxygen, Reclaimed  
CO<sub>2</sub> 105  
Oxygen machine 52  
Oxygen poisoning 376  
Oxygen tent, Portable 141
- Padding, Eggdrop 345  
Pages satellite 129, 133  
Pain box, Electronic 211  
Paint, Electrostatic 178  
Paintings  
Authenticated 296  
Palmer, Wayne C. 91  
Pan American  
Health building 209, 217  
Pancreas transplants 371  
Pandazi, Andrew A. 243  
Panuska, Joseph A. 132  
Pao, Yo-Han 211  
Papaverine  
hydrochloride 384  
Parachuting, Deaths 287  
Paredes, Alfonso 370  
Park, J. G. 111  
Parker, James E. 96  
Parkinson's disease 185  
Passey, R. D. 114  
Patent Office, U. S. 281  
Patent system,  
International 14  
Patterson, Clair C. 201  
Pauling, Linus 259  
Paulson, Wallace S. 93  
Pavia, Leonard W. 366  
Paxhia, Vincent A. 57  
Payne, James 245  
Peace Corps volunteers 183  
Peanut butter 232  
Peanuts, Moldy 87  
Pearcy, William 232  
Pebble waves 324  
Pecking order 132  
Pecora, William T. 277  
Pegasus satellites 117  
Pell, Clairborne 312  
Pencil holder 207  
Penicillin G 307  
Pergonal 3  
Pericarditis, Allergic 272  
Perilthiopropyne 184  
Permanent waves 310  
Personality tests 183  
Pertussis vaccine 35, 327  
Peruvian youth 78  
Pesticide labels 184  
Pesticide limits 376  
Pet fountain 47  
Peter, Robert H. 296  
Peterson, Harold O. 242  
Pettit, Rowland 75  
Pharis, Richard P. 62  
Phenol, Muscle relief 256  
Phenylbutazone 272, 373  
Philadelphia 101  
Philippine volcano 231  
Phillips, Charles R. 50  
Phonograph pickup 410  
Phosphate pebbles 345  
Phosphene burst 337, 342  
Photocharge 118  
Photographic film 383  
Photosynthesis,  
Ferredoxin 248  
Physical fitness test 200  
Physicians, Drug stores 226  
Physicians, Medicare 99  
Physics, Non-college 66  
Plasecki, Frank N. 410  
Pick-up device 223  
Picturephone 134  
Pierce, John R. 88  
Pilots, Alcohol 360  
Pima Indians 216  
Pineapple, Square 121  
Pinto, Jeffery S. 384  
Pipe, Inspection 73  
Pipin, Robert O. 72  
Pituitary, Freezing 376  
Pizza warmer 240  
Planets 202  
Plant growth, CO<sub>2</sub> 281  
Plant growth factor 21  
Plant pest control 248  
Plants, Fingerprinted 137  
Plants, Fire-resistant 124  
Plasma, Space study 291
- Plastics, Moths 72  
Platforms, Drilling 270  
Platzman, George W. 8  
Platzman, Paul M. 166  
Plexiglass mirror 64  
Plotnikoff, N. 386  
Plutonium 30  
Pneumatic restraint 366  
Pohn, Howard 325  
Polar bears 136  
Police neutrality 135  
Pollack, Joan 184  
Pollack, Seymour 8  
Pollution rejection 377  
Polluting gases 262  
Polonium 210 112, 240, 249  
Polypropylene rope 223  
Ponnampurama,  
Cyril 53, 195  
Pope Paul,  
World peace 248  
Population,  
Birth rate 280  
Population  
research 375, 402  
Porpoise 53  
Potting tool 384  
Poverty, Negroes 36  
Pregnancy,  
Breast cancer 2  
Pregnancy, Catholics 398  
Pregnancy, Drugs 98, 293  
Pregnancy, Oxygen 312  
Pregnancy, Radium  
therapy 115  
Press, Frank 283  
Pressing dome 319  
Pressures, High 5  
Preston, Noel W. 35  
Price, LaMar 344  
Primate Research 311  
Prisoner's Dilemma 362  
Privacy, Invasion of 183  
Prock, Valencia N. 362  
Project Camelot 376  
Project Time Out 78  
Project Vela 121  
Prostate gland,  
Freezing 213  
Protein drinks 99, 370  
Proteins, Isolating  
process 167  
Protists 162  
Proton beam 152  
Provenzano,  
R. William 327  
Psychiatrists,  
Peace Corps 183  
Psychiatry,  
Popularity 351  
Psychosis 78, 131  
Psychotherapy,  
Mothers 139  
Purity, Absolute 228  
Purse caddy 304  
Putt returner 319  
Pyenson, Jack 355  
Fyle, Marjorie M. 221  
Pyrethrum 196
- Qualls, Learning 155  
Quasars 11, 94, 117, 182  
Quinidine 172  
Quinine 35  
Quinn, Clark E. 118
- REP satellite 102  
RNA 195, 227  
RNA, Memory 114, 386  
RNA virus 261  
Raab, M. 123  
Rabinow, Jacob 141  
Racial conflict 135, 165  
Radar 57, 72, 104  
Radar stretcher 102  
Radar systems, SST 100  
Radar tracking 343  
Radar waves 184  
Radiant heating 160  
Radiation danger,  
Reduced 226  
Radiation detectors 282  
Radiation  
protection 86, 115  
Radiation therapy 275  
Radio, Self-correcting 73  
Radio, Two-way 172  
Radio-controlled  
irrigation 105  
Radio noise 103  
Radio sources 5
- Radio telescope,  
Green Bank 179, 257, 264  
Radio telescopes,  
England 94  
Radio waves 5, 356  
Radioactive sewage 143  
Radioactivity data 328  
Radiological  
protection 143, 328  
Radiotherapy 221  
Radium treatment,  
Normal baby 115  
Raffel, Burton 56  
Railroad tracks 23  
Rain, Seeding clouds 296  
Rain repellent 77  
Rall, Joseph E. 310, 344  
Rand, Robert 376  
Rapid transit 39, 88, 104  
Rapoport, Judith L. 63  
Rare earth metals 195  
Rare earth plant 75  
Rare meteorite gases 72  
Rasmussen, R. A. 344  
Rasool, S. I. 291  
Rat cancer cells 195  
Rat population 374  
Rats, Cold 132  
Rats, Dental decay 172  
Rauscher virus  
immunity 135  
Reactor, High  
Flux Beam 312  
Reactor sound  
frequencies 179  
Read, Wallace R. 277  
Reading, Poor light 310  
Reading machine 93  
Reading  
problems 67, 139, 147  
Reading rate 214  
Reconnaissance camera 7  
Record holder 240  
Red coral,  
Mediterranean 252  
Reed, Charles A. 66  
Reentry, Plasma  
behavior 291  
Reentry, Space net 51  
Reentry, Spacecraft 190  
Reese, A. B. 327  
Reeves, James E. 311  
Refrigerator lifter 400  
Refueling, Spacecraft 82  
Reich, Abraham 102  
Reindeer 401, 404  
Reines, Frederick 168  
Rendezvous, Gemini 402  
Rendezvous  
evaluation pod 102  
Research, Engineering 88  
Research and  
development centers 100  
Research library 105  
Reservoir project,  
Rare plants 181  
Respiration, Artificial 69  
Retardation 249  
Retinoblastoma 327  
Reverberation system 384  
Reverse osmosis  
process 247  
Reynolds, John 297  
Reynolds, Walter L. 20  
Rh factor overcome 115  
Rheumatic fever,  
Denver 296  
Rice, Leonard M. 326  
Richardson, R. L. 121  
Riots 135  
Ring, Kenneth 311  
Ripley, S. Dillon 122, 198  
Risset, Jean Claude 375  
Riveting kit 80  
Road divider barriers 38  
Road markings,  
Temporary 75  
Roberts, P. J. 73  
Roberts, William C. 223  
Robinson, Jerome C. 211  
Robinson, Wesley A. 198  
Rock collection 172  
Rock-dating 297  
Rockefeller,  
Laurance S. 360  
Rocket, Recoverable 166  
Rocket motor, Inside 37  
Rockets, Rough-  
burning 70  
Rocks, Rare earths 195  
Roedder, Edwin 37  
Roemer, Elizabeth 230  
Rogallo, Vernon L. 383  
Rogers, Charles M. 311  
Rohweder, Ralph 111  
Roller duster 272  
Room planning kit 31  
Root, Viotti E. 150  
Root rot resistance 110  
Rosenberg, Norman W. 301  
Rosenthal, Sanford M. 295  
Roth, Christopher M. 40
- Roth, Grace M. 416  
Rothstein, Aser 243  
Roundworms 285  
Rous, Peyton 404  
Roy, Rustum 379  
Rubber, Cold-resistant 99  
Rubella vaccine 293  
Rubey, William W. 404  
Rubin, Bernard 135  
Ruby laser rods 256  
Ruckel, Gall J. 68  
Ruler, Chemists' 256  
Russell, Joanna Lou 3  
Russell, Marion H. 376  
Russia, Submarines 89  
Russian cargo aircraft 15  
Ryle, Martin 94
- SNAP-7F 55  
SST, Radar system 100  
SST design 343  
Sabin, Albert B. 36, 323  
Saccharin molecule 85  
Sachs, Hans W. 61  
Sadusk, Joseph S.  
3, 293, 374  
Safety cigarette tray 31  
Safety goggles 112  
Safety guard 191  
Sahara 361, 395  
St. George Island 152  
Salk, Jonas 248  
Salmonella 164, 303  
Saltwater test kit 160  
San Andreas fault 215  
Sanders Aaron P. 376  
Sanding cloth 144  
Sardis 309, 389  
Sarnoff, David 246  
Sarnoff, Irving 278  
Satellite, FR-1 358  
Satellite, Geodetic 129, 133  
Satellite, TV 246  
Satellite broadcast 246  
Satellite navigation 153  
Satellite stabilizer 70  
Saturn V 70, 103  
Saturn's ring 163  
Saudi Arabia 277  
Saunders, Walter  
Selden 77  
Savage, Godfrey H. 249  
Sawyer, Philip 341  
Saylor, Charles P. 228  
Scarpelli, Gayle G. 87  
Scavullo, Angelo C. 366  
Schell, Martin W. 132, 136  
Schell, K. 184  
Schirra, Walter 402  
Schistosomiasis,  
Cause 47, 130, 351  
Schizophrenia, Cause 207  
Schizophrenics 131, 323  
Schor, Stanley 140  
Schramm, Wilbur 260  
Schuff, Richard W. 109  
Schultz, John R. 362  
Schweitzer, Albert 180  
Schwinger, Julian 279  
Schwingamer,  
Robert J. 198  
Science, Applied 182  
Science,  
Education 59, 245  
Science, Medal of 404  
Science, Optical art 342  
Science advances 387, 388  
Science career 234  
Science fairs 174, 219  
Science forecast 1966 403  
Science programs,  
Federal 20  
Science projects 25, 218  
Science review 389  
Science Talent  
Search 175, 198  
Science Youth  
Month 156, 245  
Scientia  
International 4, 84,  
148, 212, 292, 372  
Scientific gifts 314  
Scientific information,  
Britain 66  
Scientists, Young 234  
Scientists 182  
Scintillation method 5  
Sclera graft 275  
Scott, David R. 233  
Scott, Paul J. 131  
Scrap iron 73, 105, 136  
Scratch guard 128  
Scuba diver 1, 8  
Sculpturing,  
Automatic 150  
Scythians, Sardis 309  
Sea anemone 235  
Sea-Grant colleges 312
- Sea Lift, T-LSV-9 121  
Sea lilies 363  
Sea nettle 127  
Sea noises 229  
Sea spider 241  
Sea star 331  
Sea urchins 350  
Seaborg, Glen T. 30  
Sealab 2 54, 163  
Sealevel canal 54  
Seamount 1, 8  
Searle, Anthony G. 217  
Seat belts, Injuries 281  
Seawater, Conversion 247  
Seawater lakes 95  
Seaweed, Plastic 123  
Sedgarian, M. A. 336  
Seeds, Mechanism 186  
Seismic waves 27  
Seismograph 40, 54  
Seitz, Frederick 248  
Selle, Wilbur A. 201  
Senility, Early 53  
Senn, Milton 265  
Sensory deprivation  
research 249  
Senti, F. R. 250  
Separation process,  
Corn 251  
Service station,  
Floating 30  
Sever, John L. 293  
Sex activity, Early 96  
Sex determination 110  
Sex hormones, Male 130  
Sex offender 68  
Shafar, J. 272  
Shapley, Harlow 10  
Sharks, Negev desert 123  
Shaver, Hand-operated 207  
Shelter program 282  
Sherman, Sol 239  
Ship, Drive-in 121  
Shirra, Walter M. 302  
Shneidman, E. S. 362  
Shock absorber, Lunar 254  
Shock-proofing device 287  
Shoe touch-up kit 31  
Shower, Portable 47  
Shriver, Sargent 183  
Siagel, Harold 141  
Siegelman, Harold 21  
Silastic 101  
Siltmeter 377  
Silver shortage 319  
Silver supply 23  
Simmons, F. Blair 131  
Simons, Elwyn L. 359  
Simpson, George  
Gaylord 404  
Simulation games 36  
Sinclair, John C. 377  
Singman, David 336  
Sinkiang meteorite 402  
Ski park 30  
Skin, Lightened 319  
Skin, Synthetic 243  
Skin banks 296  
Skin grafts,  
Thalidomide 211  
Skin stretching 31  
Skin testing, Cancer 275  
Skinner, W. A. 88  
Skull, Chinese 297  
Skulls, Egypt 267  
Skyhook 50  
Sleep 47, 341  
Sleep, Loss of 116  
Sleep arousal 130  
Sleepwalkers 47  
Slide sorter 368  
Slight, John B. 102  
Sloan, Robert E. 324  
Siobodin, Leo 102  
Smith, Brewster 183  
Smith, H.T.U. 324  
Smith, Hamilton 232  
Smith, Leslie G. 198  
Smith, Robert H. 69  
Smith, Warren W. 140  
Smithson, James 198, 199  
Smithsonian  
Institution 198  
Smog, Diluted by  
greenbelts 313  
Smoking, Bladder  
cancer 112  
Smoking, Curbs 63, 152  
Smoking, Heart disease 416  
Smoking, Heat effect 8  
Smoking, Psychology 214  
Smoking, Weight 114, 140  
Smoking report, PHS 85  
Smoluchowski, R. 358  
Smyth, H. D. 55  
Snails,  
Schistosomiasis 130  
Snakebite, Ice cure 99  
Snap-on ascot 128  
Snow 369, 378  
Snow boots 287  
Snyder, T. M. 179  
Social conflict 165

- Social research abroad 376  
 Sociology, Global 165  
 Sodium vapor lamp 289  
 Sognnaes, Reidar F. 373  
 Soil test kit 31  
 Solar air heaters 355  
 Solar energy  
 concentrator 89  
 Solar still 61, 215, 277  
 Solar telescope,  
 Domeless 325  
 Soldering iron handle 191  
 Solids, Molecular  
 adherence 328  
 Solloqueous matter 169  
 Soloway, Alex C. 275  
 Sonic analyzer 118  
 Sonntag, Roland 35  
 Soule, A. Bradley 242  
 Soulsby, E. J. L. 196  
 Sours, John A. 370  
 South African mine 168  
 Soybean, Nematode-  
 resistant 104  
 Space, Distances 127  
 Space, Infection 50  
 Space, Life in 215, 361  
 Space, Refueling 82, 109  
 Space Calendar 357  
 Space flights,  
 Long 153, 168, 181  
 Space laws 197  
 Space net 51  
 Space photographs, 34, 397  
 Space power 89, 198  
 Space propulsion,  
 Nuclear 70  
 Space R&D centers 100  
 Space scientists,  
 Hodgkins prize 185  
 Space static 230  
 Space surveillance 71  
 Space tracking 15, 19  
 Space travel, Solar  
 flares 133  
 Space travel time 18  
 Space walks 233  
 Spacecabin atmosphere  
 Spacecraft, Military 83  
 Spacecraft design lag 103  
 Spacecraft insulation 73  
 Spacecraft material 377  
 Spaceship detection 25  
 Spacesight 343  
 Spangler, Don H. 79  
 Sparrow, White-  
 throated 137  
 Spear, Reginald G. 383  
 Specht, Donald F. 294  
 Specialty services,  
 Medicare 167  
 Spectrograph, Mass 37  
 Speech,  
 Compressed 214, 386  
 Speech, Computer 265  
 Sperm activation 307  
 Spheron model 259  
 Spice rack, Revolving 304  
 Spiegelman, Sol 227  
 Spinal curvature 191  
 Spirane compounds 326  
 Spiro, Howard M. 402  
 Sponges 189  
 Sports chair 80  
 Spring clips 304  
 Sprinkler 'shock'  
 absorber 80  
 Spying 71  
 Stafford,  
 Thomas P. 302, 402  
 Standard label, USA 28  
 Stanford British  
 campus 60  
 Star gazer,  
 Automatic 44  
 Starch, Hydrophilic 253  
 Starfish electrons 55  
 Starlight, Twinkling 104  
 Starr, Albert 329  
 Spores, Milky disease 187  
 Stanley, Lawrence A. 40  
 Stars 53, 138, 202,  
 266, 346, 406  
 Stars, Coolest 178  
 Stassinopoulos, E. G. 55  
 Stedman, D. F. 77  
 Steel scrap 105  
 Stein, Marvin 95  
 Steininger, Fred H. 163  
 Stengel, Erwin 297  
 Stephenson,  
 Margaret E. 375  
 Stevenson, Adlai E. 52  
 Stewart, Alex 233  
 Stewart, Bobby A. 121  
 Stewart, H. B. 24  
 Stewart, William H. 242  
 Stomach cancer 373  
 Stone, H. Harlan 31  
 Stone, Robert King 112  
 Stormfury 40  
 Strainer, Pot 16
- Strainer for pumps 368  
 Strandjord, Nels M. 3  
 Strauss, Richard H. 101  
 Strell, D. M. 279  
 Streptomycin,  
 Pregnancy 98  
 Strickland,  
 Benjamin A. Jr. 153, 168  
 Stroke, Surgery 297  
 Stroke treatment 384  
 Strom, A. A. 79  
 Stubblebine, J. M. 323  
 Students, Draft card 302  
 Sturgis, Somers H. 275  
 Stutterers 166  
 Styrene, Laser 211  
 Submarines, Russian 89  
 Sucaryl 281  
 Succinate 376  
 Suction device,  
 Midwives 239  
 Suicide impulse 297  
 Suicide prevention 78, 362  
 Suicide threat 293  
 Suicides 111, 278  
 Sulfur fertilization 121  
 Sumida, Carl 39  
 Sundblad, Folke W. 93  
 Sunglasses, Snap-on 368  
 Sun-watchers 133  
 Suns, Man-made 135  
 Supercontinent 297  
 Supermarkets 8  
 Supersonic sled 61  
 Supersonic  
 transport 40, 100,  
 339, 343  
 Surgeon General, New 242  
 Surgeon's hand washer 222  
 Surgery, Breast 2  
 Surgery, Gas 341  
 Surgery, TV monitors 341  
 Swann, William G. 8  
 Swearingen, John J. 265  
 Sweden, Abortion 63  
 Sweeney, Edward A. 207  
 Swenson, Knud G. 136  
 Swindall, William H. 45  
 Swine, Antibiotic 274  
 Swings, P. 41  
 Swinny, James H. 14  
 Switzer, George 216  
 Sylvester, Robert W. 166  
 Symmonds, Richard E. 398  
 Synthetic skin 243  
 Syphilis, False 168  
 Syphilis vaccine 376
- Thin film model 259  
 Thomas,  
 Duncan P. 304, 368  
 Thomas, Numa E. 334  
 Thompson, G. D. C. 310  
 Thompson, Jesse E. 297  
 Thompson,  
 Margaret W. 115  
 Thornburg, Russell B. 43  
 Thrombosis 16  
*Read Belfast, Ireland*  
 Throw-away car 109  
 Thymus DNA 172  
 Thyroid, Nodules 310, 344  
 Tibbetts, Wade 23  
 Tic douloureux 371  
 Ticking noise, Rhythm 78  
 Tie clip pencil 144  
 Tigert, William D. 35  
 Time, Blackout 78  
 Time Capsule 260  
 Time shrinker 115  
 Timofeev, N. S. 216  
 Tin sandwich, Cold 184  
 Tinnian, L. M. 103  
 Titan III-C 9  
 Titanium 339  
 Titanium carbide 296  
 Tobacco,  
 New Zealand 249  
 Tobacco,  
 Tumor-causing 329  
 Tobe, Takayoshi 64  
 Tokuhata, George K. 39  
 Tomato 95  
 Tomograph 382  
 Tomonaga, Sin-Itiro 279  
 Tomson, Medford 91  
 Tonillectomy 400  
 Tooth bank 86  
 Tooth decay 120, 172, 207  
 Toothbrush, Electric 329  
 Toothbrush,  
 Hollow-handle 96  
 Toothpaste, Edible 86  
 Torpedoes, CURV 309  
 Trachoma, 216  
 Home treatment 216  
 Trager, Milton B. 18  
 Transaminase 340  
 Transducer sounding,  
 NBT 101  
 Transducers,  
 Body responses 106  
 Transducers, Rails 23  
 Transit expressway 88  
 Transparent file  
 envelopes 384  
 Transpiration cooling 103  
 Transplant, Dog's  
 brain 307  
 Transplants,  
 Lymphatic 275  
 Transplants, Pancreas 371  
 Trash, Burning 262  
 Trauma, Cancer 22  
 Tray, Decorative 144  
 Treadmill experiments 326  
 Tree bandage, 232  
 Anti-insect 62  
 Tree maturation 191  
 Tree pruner cord 185  
 Trefethen, Lloyd M. 160  
 Triamcinolone 384  
 Triceps pick-up 2  
 Tricyclerides 61  
 Truck tests 375  
 Trumpet, Computer 190  
 Truncability principle 195  
 Tsou, K. C. 293  
 Tuberculin tine test 221  
 Tuberculosis, Drugs 139  
 Tuckman, E. 329  
 Tumors, Unburned  
 tobacco 321, 330  
 Turkeys 321, 330  
 Twinkling atmosphere 370  
 Twins, Slower 128  
 Twins, Survival rate 3  
 Tyler, Edward T. 3  
 Typhoid  
 vaccination 147, 368
- UK3 satellite 50  
 USA Standard 28  
 Udall, Stewart L. 247  
 Ulam, Stanislaw M. 263  
 Ulcer treatment 242  
 Ultrasonic, John E. 376  
 Ultrasonic pencil 166  
 Ultrasonics, Wire 295  
 Ultraviolet light 163, 339  
 Umezawa, Hamao 274  
 Underwater breathing 101  
 Underwater  
 hydrophones 53  
 Unger, Paul 297  
 Universal symbols 248
- Universe, Changing  
 view 10  
 Universe, Origin 5  
 Upper atmosphere  
 probe 104  
 Uranium gallium alloy 61  
 Uranium miners 96  
 Urey, Harold C. 259  
 Urine, Backflow 233  
 Urine enzymes,  
 Cancer clue 168
- VTOL device 410  
 Vaccines 35, 69, 293,  
 327, 336, 376  
 Vacuum cleaner  
 nozzle 64  
 Vance, Forrest L. 183  
 Vanderwerker,  
 Richard D. 360  
 Vanesian, Aram 190  
 Van Gilst, Carl 62  
 Van Slyke, D.D. 404  
 Van Valen, Leigh 324  
 Vargas, Ismael  
 Antonio 219  
 Vaughn, F. J. 246  
 Vehicle, Battle 71  
 Vels, Everett R. 2  
 Venereal disease 376  
 Venous ligation 368  
 Venus, Jupiter 346  
 Venus flower basket 189  
 Venus Flytrap,  
 Meteorites 117  
 Veterinarians, Women 66  
 Victoria, Hydrofoil 89  
 Vinland map 263  
 Virus, Appendicitis-  
 linked 69  
 Virus synthesis 261  
 Viruses, African, U.S. 355  
 Vishniac, Wolf 74  
 Vitamin E 402  
 Vitello, John P. 310  
 Voice reflector 112  
 Volcano, Prediction 231  
 Volcanoes, Electronic  
 beam 325  
 Von Ardenne, Manfred 240  
 Von Frisch, Karl 79  
 Vortex, Clockwise 185  
 Vosper, Robert 105  
 Voyager 82  
 Vroman, Paul E. 198
- Wacker, Warren E. C. 168  
 Waddington, C. J. 339  
 Wagoner, Joseph K. 96  
 Wahl, Arthur C. 30  
 Walker, A. Earl 213  
 Walker, Bruce E. 160  
 Wallace, Donald H. 377  
 Walsh, F. B. 351  
 Wangensteen, Owen 242  
 Warren, Earl 198  
 Warren, Leonard 361  
 Waste, Electricity 37  
 Watch stand 400  
 Water, Deep well 9  
 Water, Desert 215  
 Water, Nitrate 41  
 Water, Oil-wax layer 107  
 Water, Protein-rich 249  
 Water, Solar still 277  
 Water  
 desalting 247, 294, 310  
 Nuclear 200  
 Water hammer,  
 Computer 342  
 Water hardness kit 223  
 Water pollution,  
 Detergents 40  
 Water reservoirs,  
 Ancient 277  
 Water resources,  
 Australia 308  
 Water systems, U. S. 318  
 Water temperature,  
 Deep- 105  
 Way, Frederick 25  
 Weakland, John H. 360  
 Weather forecasts 405  
 Weather guide,  
 Magnetic 31  
 Weather modification,  
 Legal aspects 405  
 Weather predictions 7  
 Weather radar,  
 Airborne 100  
 Weather spheres 343  
 Weather station,  
 Undersea 54
- Weaver, Warren 232  
 Wehrle, Paul F. 307  
 Weiner, Fred 200  
 Weinreb, S. 356  
 Weir, John M. 130  
 Welder, Electron beam 107  
 Welding, Outer space 181  
 Welding-cutting kit 207  
 Welfare states, Suicide 111  
 West, John 109  
 West, Robert 184  
 Whale sounds 343  
 Whales, Suicide 229  
 Whalley, E. S. 72  
 Wheat, Cockle 8  
 Whipple, Fred L. 59, 246  
 White, Edward 163, 233  
 White, Robert J. 307  
 White, Robert M. 7, 40  
 Whitehead, Donald R. 359  
 Whooping cough 35, 327  
 Wickler, W. 344  
 Wiersma, Frank 62  
 Wildlife, Revenue  
 source 360  
 Wilken, Fred H. 45  
 Wilkinson, Walter D. 61  
 Williams, Carroll 152  
 Williams, K. R. 185  
 Wilson, Robert A. 319  
 Winchester, John W. 195  
 Window washer,  
 Whirling 96  
 Winds 324  
 Winter season 369, 378  
 Winter wheat 121  
 Wintz, Paul E. 73  
 Witherspoon, Ralph 370  
 Witten, David M. 226  
 Woelfel, Julian B. 185, 223  
 Wohlbarsht, M. L. 416  
 Women, Childless 135  
 Women, Cooperation 362  
 Women alcoholics 244  
 Wong, Harry Y. C. 326  
 Wonnacott,  
 Clarence E. 114  
 Wood plastic 73, 294  
 Wood-preserving  
 method 118  
 Woodcock, Richard F. 342  
 Woods, Allan M. 14  
 Woods, Sherwin M. 116  
 Woodward, Kenneth E. 254  
 Woodward, Robert B. 279  
 Woodworth,  
 Harmon H. 222  
 Word blindness 147  
 World atlas 7  
 World speed  
 record 145, 152  
 World Weather Watch 405  
 Worth, R. N. 83  
 Wrench, Adjustable 47  
 Wuenschner, Hans F. 166  
 Wyatt, Theodore 334  
 Wyller, Arne A. 94  
 Wynne, Lyman 47
- X-15 385, 394  
 XH-51A helicopter 105  
 X-ray, Multi-level 382  
 X-ray, Rapid serial 266  
 X-ray, Tantalum 87  
 X-ray apparatus 9, 221  
 X-ray cost 319  
 X-ray risk, Limited 242  
 X-rays, Head 402  
 X-rays, Heart 242
- Yates, Richard 403  
 Yerkes Center 311  
 Yochelson, Leon 311  
 Yolles, Stanley F. 278  
 York, Esther 78  
 Young, James F. 200  
 Young, John E. 386  
 Yucatan, Mayan cities 263
- Zacharias, Jerrold R. 67  
 Zaidener, Kitty 30  
 Zariiski, O. 404  
 Zeiss, Carl 325  
 Zilber, L. A. 336  
 Zimmer, Hans 339  
 Zipper fixer 383  
 Zond 3 82, 133  
 Zondek, Herman 16  
 Zou, Hidden TV  
 monitors 120  
 Zupancic, A. O. 72  
 Zweifel, W.  
 Benjamin W. 56