

## A

- AAAS meeting ..... 5  
 AAP workshop ..... 21, 22  
 ABM ..... 397, 427  
 AEC  
 appropriations 148, 503  
 AEC manpower cuts ..... 192  
 ALSEP, Alternatives ..... 499  
 ALSEP, Apollo 13 ..... 354  
 AMA's new image ..... 47  
 ATP, Three-dimensional ..... 200  
 ATS-F, Laser ..... 9  
 ATS III satellite ..... 573  
 AWACS ..... 149  
 AZUR, German satellite ..... 208  
 Abelson, Philip ..... 476  
 Abortion  
 California ..... 219  
 Drug-induced ..... 200  
 Hawaii ..... 219  
 Legislation ..... 75, 76, 219  
 Abrahamsson, Sture A. A. .... 555  
 Abyssal Plain, Umbellula ..... 586  
 Accelerators  
 Batavia ..... 148, 380, 479  
 CERN ..... 408, 479, 615  
 Economy ..... 239, 298  
 LAMPF ..... 617  
 Medium-energy ..... 328  
 Princeton-Pennsylvania ..... 145, 148, 172  
 Acoustical shock waves ..... 553  
 Activism, Students' ..... 397, 475  
 Adams, David S. .... 502  
 Adelman, Richard C. .... 98  
 Adey, Ross ..... 22  
 Adler, Victor ..... 532  
 Adrenalin secretion ..... 132  
 Advertisements, Negroes ..... 247  
 Aerial spraying, Detergent ..... 12  
 Aeronomy center ..... 124  
 Africa, Geological faults ..... 39  
 Agallanos, D. .... 301  
 Aggression, Alcohol ..... 125  
 Neurochemistry ..... 197  
 Aging, Adjustment to ..... 589  
 Aging, Glucokinase ..... 98  
 Agrell, S. O. .... 101  
 Agro-industrial complex ..... 444  
 Air Force  
 Missile target ..... 175  
 NASA research ..... 204  
 UFO records ..... 8  
 Air pollution  
 CO research ..... 59  
 Dual-fuel system ..... 12, 74  
 Exhaust gases ..... 167  
 Federal funds ..... 147, 502  
 Isotope identification ..... 223  
 Jets ..... 95  
 Lung cancer ..... 483  
 Resistant plants ..... 555  
 Smoke stacks ..... 538  
 Air quality standards  
 243, 284  
 Air safety, Fuel system ..... 128  
 Air sampling ..... 223, 538  
 Air/sea interface, CO ..... 96  
 Air traffic control ..... 95, 340  
 Airframe-nozzle ..... 175  
 Airport, High-rise ..... 481  
 Airport Airway  
 Development Act ..... 520  
 Alaska  
 North Slope oil ..... 467, 594  
 Oil pipeline ..... 179, 432, 486, 528  
 Alberty, Robert A. .... 366  
 Alcohol  
 Aggressiveness ..... 125  
 Effect on leukocytes ..... 152  
 Histamines ..... 619  
 Alcoholism  
 Federal offenders ..... 551  
 Hyperactive children ..... 507  
 Pancreatitis ..... 482  
 Aldrete, J. Antonio ..... 202  
 Aldrin, Edwin E. Jr. .... 5, 523  
 Alfalfa weevil ..... 620  
 Alfven, Hannes ..... 465  
 Algacide, Blue-green ..... 284  
 Alkhanian, Artemii Isaakovich ..... 438  
 Allbright, Charles C. .... 174  
 Allen, Alfred ..... 289  
 Allen, James E., Jr. .... 265  
 Allen, Jody ..... 217  
 Allen, Leland C. .... 18, 287, 554  
 Alloying method ..... 12
- Alloys  
 Dispersion-strengthened ..... 107, 108  
 Superconducting ..... 313  
 Alpert, Daniel ..... 36  
 Alumina ore ..... 250  
 Aluminum alloy ..... 578  
 Aluminum 26 ..... 578  
 Alvarez, Luis W. .... 69  
 Ambulatory-care ..... 267  
 Amchitka  
 Nuclear device ..... 367  
 Ocean underthrusting ..... 434  
 American Chemical Society ..... 391  
 American College of Surgeons ..... 317  
 American Medical Association ..... 47, 615  
 American Physical Society ..... 452  
 American Physicians Association, Lobby ..... 452  
 American Psychological Association ..... 391  
 Ammonia ice, Saturn ..... 20  
 Amoebas, AMP signals ..... 215  
 Amos, Bernard ..... 297  
 Analgesics ..... 195, 300, 474  
 Anders, Edward ..... 33, 61, 214, 245  
 Anderson, J. M. .... 459  
 Anderson, Laurens ..... 568  
 Andrade, Joseph D. .... 176, 376  
 Andriole, Vincent T. .... 372  
 Androgen, Antiandrogen ..... 554  
 Andrus, Dale ..... 179  
 Anesthesia, Epidural ..... 435  
 Anesthesia, Organ transplant ..... 202  
 Anesthetics ..... 346, 619  
 Aneurysm, Surgery of chest ..... 435  
 Angino, Ernest E. .... 321, 539  
 Anhepatic state ..... 202  
 Animal feeds ..... 618  
 Animals, Earned food ..... 247  
 Anomalous water ..... 17, 71, 287  
 A-norprogesterone ..... 554  
 Anorthosites, Lunar ..... 69  
 Anslinger, Harry J. .... 156  
 Ansur, Manoug ..... 244  
 Antarctic  
 paleontology ..... 324, 350  
 Antibiotics, Food animals ..... 26, 618  
 Antibodies, Anti-DNA ..... 323  
 Anticlotting technique ..... 176  
 Anticoagulant/antihypertensive drugs ..... 300  
 Antidiabetes preparations ..... 526  
 Antigen, Australian ..... 584  
 Antigen, Tumors ..... 346, 482  
 Antihelium 3 ..... 218  
 Antineutrino, Helicity ..... 318  
 Antioxidant, Rubber ..... 319  
 Antiviral drugs ..... 70  
 Aphid ion  
 Artificial eggs ..... 319  
 Apollo Applications Program ..... 21, 95, 149  
 Apollo changes ..... 61  
 Apollo crews, sites ..... 369  
 Apollo launches, Weather ..... 369  
 Apollo 11  
 findings ..... 33, 64, 99, 243  
 Apollo 12 experiments ..... 269  
 Apollo 12 rocks ..... 428  
 Apollo 13  
 Abort ..... 387, 407, 431, 571  
 Engines vibrating ..... 508  
 Landing sites ..... 61, 243, 353  
 Review Board ..... 455, 571  
 Recommendations ..... 598  
 Service module ..... 407, 571  
 Apollo 14  
 Crewmen ..... 369  
 Experiments ..... 499  
 Fra Mauro site ..... 478  
 Launch date ..... 455, 571  
 Apollo 15 ..... 369, 571  
 Apollo 16  
 Laser-Altimeter ..... 481  
 Apollo 20 elimination ..... 60  
 Applied research ..... 145  
 Arctic ecology  
 Pipelines and tankers ..... 486, 528  
 Arctic oil, Canada ..... 420, 442, 466  
 Arctic research, Canadian/U.S. .... 405  
 Arctic Research Program ..... 218
- Arcebo Observatory ..... 145  
 Argon 40, Luna soil ..... 35  
 Arman, Ara ..... 128  
 Armstrong, Ellis L. .... 329  
 Armstrong, Neil A. .... 520  
 Army, Black alienation ..... 301  
 Arnold, David O. .... 157  
 Arnold, James R. .... 33, 35  
 Arnold, W. D. .... 90  
 Aromatics, Marine organisms ..... 263  
 Arsenic, Detergents ..... 321, 539  
 Arterial lesions, CO ..... 96  
 Arteriosclerosis  
 Enzyme defect ..... 530  
 Peanut oil suspect ..... 40  
 Arthritis, Hand ..... 317  
 Artificial cells ..... 389, 568  
 Artificial heart  
 Implantable ..... 347, 375  
 Testing ..... 500  
 Artificial organs  
 Anticlotting techniques ..... 176  
 Materials research ..... 347  
 Artificial sweetener, Glycine ..... 530  
 Artificial tooth ..... 10  
 Ash, Roy L. .... 267  
 Ashcroft, Neil W. .... 625  
 Aspirin, Anti clotting ..... 410  
 Asthma, Link with parasites ..... 246  
 Asthmatic children ..... 176  
 Astronauts  
 AAP workshop ..... 22  
 Pre-launch isolation ..... 580  
 Radiation dose ..... 523  
 Vision on moon ..... 246  
 Astrup, Poul ..... 96  
 Atherosclerosis ..... 415  
 Atkinson Point ..... 466, 488  
 Atlantic floor, shallow ..... 320  
 Atlantic salmon catch ..... 78  
 Atlas, David ..... 621  
 Atmosphere, CAT ..... 134, 622  
 CO and CO<sub>2</sub> ..... 249, 458  
 Explorers C and D ..... 109  
 Atmospheric model, Ocean model ..... 533  
 Atomic camera, Portable ..... 221  
 Atomic Energy Commission  
 148, 503, 504  
 Atomic models ..... 514  
 Atoms, Photographed ..... 524  
 Atrazine, Combination ..... 72  
 Atrazine implantation ..... 63  
 Auerbach, Oscar ..... 169  
 Aumann, H. H. .... 464  
 Australia  
 Ancient man  
 Kangaroos ..... 235, 254, 468  
 Kidney failures ..... 564  
 Metric conversion ..... 300  
 Mouse density ..... 340  
 STOL plane ..... 175  
 Telescope ..... 42  
 Australian antigen ..... 584  
 Autistic children ..... 370  
 Auto exhausts  
 Bromine ..... 539  
 Emission control ..... 73  
 Emission standards ..... 168, 172  
 Lead levels ..... 167, 284  
 Autoimmunity, Diabetes ..... 98  
 Automated flight control ..... 340  
 Automated ship system ..... 605  
 Avalanche diode ..... 345
- B  
 BOMEX data, NASA processed ..... 149  
 Baby foods, Salt In ..... 460  
 Back contamination ..... 243  
 Backus, Richard H. .... 550  
 Bacterio-chlorophyll ..... 260  
 Bacteriological weapons  
 Ft. Detrick ..... 62  
 Toxins banned ..... 194  
 Badalich, John ..... 406  
 Bailey, J. M. .... 71  
 Ball, John G. .... 156  
 Ball, M. M. .... 270  
 Ballam, Joseph ..... 298  
 Balloon astronomy ..... 343  
 Balloons, Troposphere ..... 393  
 Baltic sea pollution ..... 356  
 Banfield, Edward C. .... 58  
 Barbeau, Andre ..... 199  
 Barber, Albert A. .... 510
- Bardeen, John ..... 313  
 Barghoorn, Elso S. .... 64  
 Barile, Ronald G. .... 128  
 Barium fudge ..... 601  
 Barnes, Charles ..... 523  
 Barrett, Earl W. .... 270  
 Barrett, Peter J. .... 324  
 Bartlett, David F. .... 327  
 Bartter, Frederic C. .... 562  
 Barut, A. O. .... 126  
 Bascom, Willard D. .... 18  
 Basic research, GNP ..... 478  
 Bassogigas ..... 483  
 Batavia accelerator  
 148, 380, 479  
 Batteries, Experimental ..... 271  
 Battista, O. A. .... 378  
 Bauer, Harold E. .... 592  
 Baxter, Charles R. .... 619  
 Baxter, M. S. .... 434  
 Bayer, F. M. .... 586  
 Beach erosion ..... 224  
 Beads, Ion exchange ..... 484  
 Beard, Rodney R. .... 96  
 Beasley, M. L. .... 578  
 Beaulieu, J. A. .... 174  
 Beckman, Kent ..... 347  
 Beckman, Linda ..... 322  
 Beckwith, Stephen L. .... 248  
 Beer, Michael ..... 524  
 Beer, Geriatrics ..... 507  
 Begelman, Mitchell C. .... 244  
 Belderson, R. H. .... 371  
 Bell, Anita I. .... 507  
 Bell, Peter M. .... 34  
 Belzer, Folkert ..... 295  
 Benz, Robert ..... 482, 620  
 Bennett, Richard M. .... 125  
 Bentley, E. W. .... 409  
 Ben-Zvi, Seymour ..... 500  
 Berge, G. L. .... 42  
 Berger, Rainer ..... 574  
 Bering Sea, Oil ..... 320  
 Berkowitz, Norman ..... 397  
 Berliner, Robert ..... 476  
 Bernstein, Selden ..... 45  
 Berry, Charles ..... 22, 253  
 Binary star, Supernova ..... 553  
 Bio Analyzer ..... 331  
 Biochemists, FASEB ..... 429  
 Biomedical engineering ..... 347  
 Biomedical research ..... 596  
 Biophysical Society ..... 260  
 Bioscience, NASA ..... 37  
 Birds, PCB hazard ..... 321  
 Birth control pills  
 British data ..... 182  
 Estrogen ..... 430, 431  
 FDA ..... 266, 599  
 Minipill ..... 93  
 Birth defects,  
 Lithium carbonate ..... 63  
 Bishop, Agnes ..... 199  
 Bissell, Joan S. .... 247  
 Blachly, Paul ..... 390  
 Black hole hypothesis ..... 465  
 Black scientists ..... 383, 391  
 Black students ..... 370  
 Black veterans ..... 301  
 Blackburn, Robert D. .... 72  
 Blamont, Jacques ..... 508  
 Black, Eugene E. .... 127  
 Bleeding, Pressure suit ..... 40  
 Block copolyurethane ..... 376  
 Blonsky, E. Richard ..... 127, 404
- Blood clots  
 Artificial organs ..... 176, 376  
 Aspirin ..... 410  
 Clotting factor ..... 199  
 Estrogen ..... 430  
 Heart-lung machine ..... 346  
 Blood-compatible plastic ..... 377  
 Blood donors, Hepatitis tests ..... 200, 584  
 Blood flow, Computer ..... 416  
 Blood flow rate, Controlled ..... 128  
 Blood pressure  
 Conditioning ..... 274, 275  
 L-dopa ..... 199  
 THC ..... 105  
 Blood vessel  
 degeneration ..... 416  
 Blumberg, Baruch S. .... 584  
 Blumer, Dietrich ..... 506  
 Blumer, Max ..... 263, 551  
 Bobwhite, Masked ..... 409  
 Bogolubov, Nikolai N. .... 120  
 Bolyanovskiy, D. M. .... 12  
 Bonatti, Enrico ..... 579  
 Bond, James ..... 72  
 Bonds, Metal, nonmetal ..... 12  
 Bone repair ..... 562  
 Bonner, James ..... 484  
 Borzese, Elizabeth Mann ..... 526, 613  
 Born, Max ..... 38  
 Boulding, Kenneth ..... 451
- Bourdon, Reginald A. .... 90  
 Bowers, Kenneth S. .... 322  
 Bradbury, Norris E. .... 615  
 Bradley, Eli ..... 107  
 Bragg, (Sir) Lawrence ..... 366  
 Brain function  
 Calcium levels ..... 246  
 Carbon monoxide ..... 96  
 Brain surgery  
 Homosexuals ..... 50  
 Radiotherapy ..... 272  
 Through chest ..... 435  
 Brain tumors, Negroes ..... 435  
 Brain waves,  
 Meditation ..... 370  
 Bramwell, Cherie D. .... 247  
 Brand, Vance ..... 369  
 Brandborg, Stewart ..... 179, 389  
 Brans-Dicke theory ..... 575  
 Brayton, Robert G. .... 152  
 Breast tumor virus ..... 611  
 Breathing, Before birth ..... 530  
 Breed, William J. .... 325, 350  
 Breeder reactors ..... 148, 444  
 Brewer, Harold E. .... 70  
 Brewster, Kingman, Jr. .... 475  
 Briggs, John C. .... 364  
 Brill, Henry ..... 339  
 Brine, Giorieta rocks ..... 314  
 Brinsley, C. M. .... 329  
 Britain, Marine science ..... 256  
 British research ..... 160  
 Brocksen, Robert ..... 248  
 Bromine, Auto exhaust ..... 539  
 Brooke, Edward ..... 194  
 Broerman, Inge K. .... 322  
 Brown, Allan H. .... 243  
 Brown, Barbara ..... 63  
 Brown, Bertram ..... 572  
 Brown, Jerry ..... 218  
 Bruce, David L. .... 619  
 Bruce, James ..... 408  
 Brunot, Kenneth E. .... 597  
 Brunson, Marvin H. .... 620  
 Bryson, Kirk ..... 533  
 Bryant, Thomas ..... 276  
 Bryant, William R. .... 429  
 Bucha, V. .... 371  
 Buckles, Richard ..... 482  
 Buckley, Joseph P. .... 133  
 Budget priorities ..... 143  
 Budgetary process ..... 150  
 Budner, Stanley ..... 370  
 Buff, Joseph J. .... 244  
 Buhl, David ..... 227, 268, 617  
 Building failures ..... 599  
 Bullard, Edward ..... 229  
 Burke, B. F. .... 436  
 Burke, Bernard ..... 512  
 Burkland, C. V. .... 12  
 Burns ..... 619  
 Bygdemann, Marc ..... 200
- C  
 C-5A jet transport ..... 9  
 C particle, Repressor ..... 40  
 C-Quens ..... 93, 434  
 C-type RNA viruses ..... 23, 24  
 CAI  
 Forecasting ..... 134, 135  
 Radar screen ..... 622  
 CERN ..... 408, 479, 615  
 COSPAR, U.S.S.R. .... 520  
 CPK, Muscle tissue ..... 506  
 CVI-70 vaccine ..... 130  
 Cade, Tom J. .... 178  
 Cadmium, Traces ..... 560  
 Cailliet, Rene ..... 246  
 Cairns, Elton J. .... 271  
 Calcification, Silicon ..... 98  
 Calcitonin ..... 568, 618  
 Calcium link, Brain ..... 246  
 Calcium release inhibitors ..... 410  
 Caldwell, D. F. .... 197  
 California abortion law ..... 219  
 California coast ..... 224  
 Californium 252 ..... 245  
 Calio, Anthony J. .... 33, 61  
 Calvin, Melvin ..... 64  
 Cambridge Electron Accelerator ..... 239, 299  
 Cameron, A. G. W. .... 429  
 Campbell, Jack ..... 583  
 Campkin, T. V. .... 435  
 Campus politicization ..... 476  
 Campus revolutionaries ..... 397  
 Canada, Oil spill ..... 151  
 Canada, SCITEC ..... 136  
 Canada Water Bill ..... 540  
 Canadian Arctic, Oil ..... 466, 467  
 Ecology ..... 486, 488  
 Pipeline test ..... 442, 443  
 Territorial waters ..... 420  
 Canadian contribution, Batavia ..... 380  
 Canadian Indians ..... 125

Canadian International Development Agency	332	Cholesterol		Corona,		Desulfurization	554	Edwards, Charles C.	
Canadian space committee	175	Carbon monoxide	96	Infrared emission	617	Detergents		93, 120, 152, 163, 568	
Cancer		Peanut oil	40	Iron abundance	227	Arsenic	321	180-183, 266, 431, 468	
Antibody test	199	Chow, Tsaihua J.	284, 538	Corrosion, Theory for	433	NTA substitution	408	Edynak, E. M.	482
C particle	40	Chromatography kits	419	Cortright, Edgar M.	470, 571	Phosphates	319, 408, 456	Effeminate behavior	197
Cat viruses	23	Chu, C. W.	71	Cosmic magnetism	557	Dewey, John F.	192	Egeberg, Roger O.	121, 453, 480, 572, 596
Cervical	272, 317	Churches, Social issues	370	Cosmic rays		Diabetes, Asymptomatic		Egg implantation,	
Chemicals	344	Cigarettes, Tobacco-less	346	Calcium, protons	523	Treatment	526, 596	Atropine	63
Colon	346	Cirrhosis	619	Element 108	457	Diabetes		Egg, shell, Artificial	319
Estrogen-progestin	93	Clark, G. W.	71	Gamma and X-rays	71	Autoimmunity	98	Ehrlich, Paul	573
Immune response	344	Clarke, Frederick J.	60	Magnetic binding	559	Diamond gems	578	Eibl-Eibesfeldt,	
Personality	301	Clarke, Roy S. Jr.	60	Quarks	71, 222, 617	Diaphragm heart	376	Irenaeus	552
Smoking beagles	169	Clarke, W. B.	578	Tracks	35	Dias detergent	12	Elgen, Manfred	260
Stomach	312	Classroom design	582	Cosmides, George J.	202	Dicke, Robert H.	206, 481, 574	Einstein's theory	574
Susceptibility	344	Clayton, Robert N.	33	Cosmologies, Infrared observations	465	Dienhart, Arthur	406	Eilber, Frederick	344
Thyroid	618	Clean Water Restoration Act	168, 502	Costa Rica, Telenomus	485	Diet pills	576	Eitinger, Leo	604
Viruses 23, 146, 200,	344	Clear air turbulence,		Cotton, Stephen	432	Dietary phosphates	97	Elastin molecules	415, 416
Cancer cells		Detector sought	134	Cottrell, Roger L.	457	Diethrich, Edward B.	297	Elected leaders	397
Membrane	312, 509	On radar screen	622	Cotzias, George C.	70, 118	Dietz, Robert S.	229, 320	Election behavior	507
Theory	194, 312	Climate, Oceans	533	Coughlin, Robert W.	554	Diffusion process	216	Electric shock	346
Cancer deaths, Radiation	8	Climate changes		Council on Environmental Quality	168	Dimethyl sulfoxide	530	Electricity, Thermionic	490
Cancer-susceptibility	344	Irrigation	214	Cowisk, R.	71	Dingell, John D.	170	Electricity reserves	550
Cancer-virus theory	611	Particulates	270	Cox, Arthur	268	Diodes, Supersensitive	221	Electromagnetic compatibility	345
Cancers, Microinvasive	317	Urbanization	10	Crab nebula		Dislocations, Surgery	127	Electron microscopy	524
Cancro, Robert	241	Climatological model	198	Changes in		Distillery waste, Feed	174	Electron source	524
Cannabis, Literature	157	Clista, Theodore	248	X-rays	626	Dobbs, Linda	476	Electron spectroscopy	221
Cannabis plant	102, 104	Cloos, Ernst	454	Crab pulsars	43, 626	Dodd, Thomas	598	Electron spin	
Cannon Ball 2	109	Clostridium botulinum	217	Crawford, Harry	574	Dole, Vincent	366	resonance	260
Carbon dioxide lasers	174	Clothier, William	501	Crayfish, Translocated	555	Dominick, Peter H.	102, 453	Electronic particle counter	111
Carbon fiber	160	Clotting factor, Blood	199	Creatine phosphokinase	506	Donaghy, R. M. Peardon	435	Electrons, f shell	71
Carbon 14, 11-year cycle	434	Cloud, Preston	64	Creativity and hypnosis	322	Donnelly, William	475	Electrons, Vibration	42
Carbon monoxide		Colorado project	462	Credit card validator	424	Donohue, Jerry	18	Element 105	430
Brain function	96	Easterlies	173	Cressman, George P.	198	Doanov, Paul F.	36	Element 108	457
Cholesterol	96	Fire-prone areas	505	Creutz, Edward C.	368	Doher, John	71	Elliott, Robert W.	372
Interstellar	436	Individual cumulus	198	Crewe, Albert	524	Dopamine		Elliott, David H.	324, 325, 350
Lunar glass bubbles	64	Microcrystals	379	Crick, Francis	215	Manic-depressives	301	Elliott, Daniel W.	317
Oceans	96, 458	Pyramid Lake	599	Crocker, Jeremiah Keith	317	Phenoxybenzamine	199	Elliott, Martin A.	289
Pollution standards		Summertime	384	Crome, A. C.	98	Doppler-radar, Mobile	621	Elliott, Robert D.	384
Research	172, 284, 396	Temperature	365	Crowle, Alfred J.	40	Dorman, Gerald D.	47	Ellis, H. Reed	36
Tests	321	Clouds, Interstellar masers	436	Crown of thorns	315, 364, 525, 552	Doskotch, Raymond W.	459	Elm bark chemicals	459
Tissue changes	96	Coal gasification	529	Cruikshank, Dale P.	20, 222	Doublet, Tokamak	374	Elms, Alan C.	197
Tolerance	96	Coal Mine Health and Safety Bill	37, 575	Crum, Stewart P.	550	Downs, Marion	112	Elodea, Metallic ions	532
Carbon suboxide, Venus	222	Coalsack bluff fossils	351	Custo, Jorge	482	Draft deferments	62	Embryology, Unifying theory	215
Carbon tetrachloride	319	Coastline erosion, Louisiana	459	Culbertson, Philip E.	21	Drake, Frank	43	Emiliani, Cesare	39, 505
Carbonium ions	554	Coating, Fireproof	174	Culler, Floyd L.	8	Dream content		Emotion, Foot pain	246
Carboxyhemoglobin	59, 96	Cobble, W. J.	92, 318	Cumulus clouds, Seeded	198	Men and women	589	Empyema, Heredity	556
Carcinogenesis	509	Coburn, Ronald F.	59	Curry, Richard W.	240	Dreizen, Samuel	536	Endear, Robert	525
Carcinogens, Environment	98	Cockerell, Christopher	160	Curtin, Jack	340	Dropsonde system	394	Endres, Wilhelm	605
Carder, Brooks	247	Code, Arthur D.	241	Cyberphone	345	Drug classification	599	Engdahl, Eric R.	505
Caribou	487, 488	Coding drugs	453	Cyclone model	270	Drug-control legislation		Engel, A. E. J.	101
Carlisle, Edith M.	98	Coffer, Henry F.	457	Cystic fibrosis	245	Canada	339, 598	Engine vibrations	508
Carlos, James P.	537	Cohen, Jeffrey M.	89	Cytoxan, Poly I:C	323	Panaba	268	Engineering jobs	480
Caron, Gordon A.	549	Cohen, Morrel	215			Drug efficacy		Engineers, Black recruiting	391
Carp, Heart rate	246	Coker, A. E.	371			Federal Register	181	English, Joseph	572
Carruthers, George C.	595	Colbert, Edwin H.	324, 350			Legal suit	599	Enovid	431
Carson, John L.	221	Coleman, Sidney	126			Review	120	Enrico Fermi Award	615
Carter, Herbert	576	Collagen, Biomaterial	10			Substantial evidence	242	Environmental agencies	576
Cassano, Anthony J.	490	Collagenase, Disc	435			Drug labeling	453	Environmental Action, D. C.	432
Cast-brace, Bends knee	482	Colliding beams	299			Drug prescriptions	549	Environmental crisis, Japan	396
Cat viruses, Cancer	23	Collins, Michael	523			Drug resistance, Borneo	152	Environmental Defense Fund	389
Cataloguing stars	273	Collins, Robert L.	132			Ducks	483	Environmental Financing Authority	147, 168
Catalytic ionization	554	Collision avoidance	481			Dung beetle, Flies	532	Environmental Mutagen Society	314
Catalytic muffler, Lead	167	Colloidal microcrystallines	378			Duplessy, J. C.	579	Environmental priorities	38
Cats, Counting cells	397	Color image, Infrared	345			Dutch elm disease	459	Environmental quality diseases	389
Cavanaugh, James	596	Columbia Basin	214			Du Toit, A. L.	229, 505	Enzyme pre-soak	321
Cave art, Australia	468	Combination antibiotics	243, 268			Dynamite production continuous	271	Enzymes, Detoxifiers	41
Cave carvings	255	Comet Bennett	290, 508			Dyson, Freeman	627	Enzymes, Effects of metals	459
Cave paintings	242	Comet Tago-Sato-Kosaka	241					Epilepsy, Models	460
Cavities	70, 346, 372, 536	Commoner, Barry	44, 248					Epinephrine, Aggression	507
Cell breakage, DMSO	530	Communications						Earth, Moon's shadow	268
Cell differentiation	215	FCC standards	345					Earth Day, Support	432
Cell division		NATO satellite	343					Earth tides	513
Abnormal	313	Composite welding	128					Catalytic agent	579
Malnutrition	70	Computers						Coasts	171
Cell membranes		Climatology	535					Geyser	608
Cancer	495, 509, 510	Data verification	529					Earthquakes	
Electrical voltage	313	Gigabit	345					Alaska	178
Plasma membranes	510	Portable radar	622					Analyses	154
Variations	509	Video panel displays	345					Crustal plates	153
Ceramic foam	12	Concentration camp syndrome	604					Earth's core,	
Ceramic turbine	605	Conditioning, Visceral	274					Bumps	224, 458
Cerenkov effect	523	Cone, Clarence	312, 510					Earth's inner core	505
Cervical cancer		Connecticut River	532					Earth's mantle, Water	224
Radium	272	Connor, Walter	589					Eastlund, Bernard J.	249
Surgery	317	Conservation, International cooperation	280					Eclipse, March 7 227,	268
Cesium		Constantino, C. S.	508					Ecological effects	
Superconductive	436	Containerization, LASH	424					Canal	364
Chagas' disease	471, 485	Continental energy policy	443, 466					Oil pipeline	432, 486, 528
Champion,		Continents						Sublethal	248
Kenneth S. W.	109	Coalsack Bluff	324					Ecological laboratory,	411
Chang, K. K. N.	345	Computer fit	229, 320					Ecology	
Chang, Thomas M. S.	389	Growth and evolution	192					Canadian Arctic	488
Chapman, Dean	34	Paleomagnetic study	173					Multidisciplinary	44
Chapman, Philip	523	Contraceptive pills						Santa Barbara	555
Chapman, William M.	267	See Birth control pills						Eczeema, Fatty acid isolated	410
Charney, Jule G.	342	Cooper, Charles	45					Edgington, David N.	284
Chaudhuri, B. D. Nag	444	Cooper, Edward E.	177					Education and Welfare, Budget	146
Chayet, Neil A.	598	Cooper, Saul	61					Educational research, Basic	265
Headlee, Vernon I.	555	Cooper, Theodore	500						
Heating, On exams	589	Cope, Edward Drinker	324						
Chemicals Carcinogen	344	Copper salts	484						
Chemistry, Graduates	477	Coral reefs							
Chenea, Paul	168	Coral regrowth	525						
Chesher, Richard H.	525	Crown of thorns							
Chicken cancer vaccine	500	Corbell, Reine J.	74						
Chien, Ching-Piao	207	Corcoran, Eugene F.	284						
Children,		Corenzwit, Ernest	71, 313						
Problem-solving	322	Cork, Bruce	299						
China's first satellite	427								
Chipman, John	74								
Chloramphenicol	26								
Chlorhexidine gluconate	176								
Chlorine atoms	319								

Extremists, Normal .. 197

F

FASEB meeting .. 429
FDA Methotrexate .. 549
FDA clears L-dopa .. 568
FDA scientists .. 120, 183
FDA's power to act .. 242
Factories, Participant citizenship .. 125
Fairbank, William .. 206
Fairbridge, Rhodes W. .. 434
Faissner, Helmut .. 617
Falck, Edward .. 73
Fallout, Oceans .. 270
Family Assistance .. 37, 146
Health Insurance .. 599
Fang, Victor S. .. 410
Fannin, Paul J. .. 170
Fazio, G. G. .. 523
Federal authority, State and local .. 121
Federal health spending .. 145, 480
Federal Radiation Council .. 311
Feed supplement .. 174
Feher, George .. 260
Feinmesser, M. .. 112
Feller, Ralph P. .. 372
Fellgett, P. B. .. 273
Female stereotypes .. 322
Femur stresses, In epoxy .. 424
Fendrich, James .. 301
Fermi, Enrico .. 92
Ferromagnetic fallout .. 173
Fertility drugs, Modified .. 98
Fertilizer, Nitrates .. 483
Fetus
Antigens .. 482
Bleeding disorder .. 199
Breathing .. 530
Immune system .. 63
Sensitive biological system .. 133
Feuer, Lewis S. .. 451
Fields, M. L. .. 412
Filter, funnel .. 515
Finch, Robert H. .. 7, 36, 91, 120, 180, 241, 311, 572
Fink, Geraldine .. 367
Fink, Max .. 339
Fink, Uwe .. 20, 222
Firebee II .. 175
Fire-fighting foam .. 271
Fireproof coating .. 174
Firester, Arthur H. .. 345
Fischer, William A. .. 508
Fischinger, Peter .. 23
Fish
Bends .. 620
Depth record .. 483
Mercury .. 388
Metals .. 284, 459
Weed control .. 72
Winterkill .. 409
Fish protein concentrate (FPC) .. 90
Fite, L. E. .. 245
Fitzsimmons, W. A. .. 151
Flashes, In spacecraft .. 523
Fleischer, Robert L. .. 35, 436
Fletcher, Gilbert H. .. 272
Flinn, Edward A. .. 505
Flood alert system .. 60
Fluid dynamics, Blood .. 415
Fluorel coating .. 174
Fluorides, Systemic effect .. 537
Fluoroxene, Combination .. 203
Fly-ash glass, Submersibles .. 529
Flyger, Vagn .. 290
Foltz, R. L. .. 530
Food additives, GRAS .. 182
Food and Drug Administration .. 180
New procedures .. 120
Power to act .. 242
Scientists .. 120, 183
Food irradiation .. 217
Food safety laws .. 8
Foot pain, Emotional .. 246
Ford, Henry .. 167
Ford, V. L. .. 477
Forest fires, Cloud seeding .. 505
Forest management, Indians .. 41
Fortitano, Lynn .. 510
Ft. Detrick, Md. .. 62
Fosberg, F. Raymond .. 411
Fossil ice, Hawaii .. 579
Fossil reptiles, Antarctic .. 325, 350, 352
Foster, John S., Jr. .. 501, 548
Foster, S. C. .. 272
Fowler, Eugene E. .. 217
Fowler, Max .. 624
Fowler, Peter .. 457
Fowler, W. Beall .. 318
Fox, Charles L., Jr. .. 619
Fox, E. M. C. .. 564
Fox, William T. .. 223
Fra Mauro highlands .. 353

Fraenkel-Conrat, Heinz L. .. 568
France, Research and development .. 492
Francheteau, Jean .. 457
Fraser, D. Stuart .. 72
Frederick, Ralph H. .. 390
Freedman, Daniel X. .. 339
Freedman, Sam .. 346
Freeze-drying nucleus .. 344
Friedman, Herbert .. 43, 124, 145
Friedman, Lewis .. 17
Friedman, Milton .. 150
Friith, H. J. .. 564
Frost-control freezer .. 111
Fryxell, Roald .. 91, 362
Fuel cell, Glucose .. 128
Fuel system, Dual .. 12, 73
Fuel system, Safer .. 128
Fuller, George .. 530
Fuller, John L. .. 132
Fuller, Marielle .. 370
Fulton, George P. .. 45
Fumich, George, Jr. .. 172
Fusion, Controlled .. 148, 373
Fusion torch, Garbage .. 249

G

GARP, Atlantic .. 342
Gaetano, Frank .. 110
Gagliano, Sherwood M. .. 459
Gail, Harry R. .. 244
Galaxies
Centers of .. 206, 464
Continuous creation .. 465
Cosmic rays .. 559
Infrared .. 10, 464
Irtrons .. 464
Luminosity, Age-related .. 465
Magnetic field .. 557
Quasar emission .. 553
Stratocopic view .. 552
Galaxy measuring machine .. 273
Gamble, F. R. .. 602
Gamma point source .. 151
Gamma-ray analysis, Underwater .. 245
Gamma rays, Cosmic .. 71
Game, Experimental weapons .. 397
Gangrene, DTPA .. 11
Gangrene, High-pressure oxygen .. 127
Garbage disposal .. 249
Garcia Barrios, Humberto .. 485
Garlin, Herman .. 345
Garrett, William D. .. 248
Garwin, Richard L. .. 501
Gary, Bruce .. 42
Gas chromatograph injector .. 331
Gas gangrene .. 127
Gas turbines .. 605
Gasbuggy .. 89
Gasdynamic laser .. 529
Gasification of coal .. 529
Gasoline, Lead tax .. 504
Gasoline, Unleaded .. 167, 404
Gasoline storage test .. 174
Gast, Paul .. 6, 56, 61
Gatos, H. C. .. 289
Gatt, F. C. .. 619
Geballe, T. H. .. 602
Geber, William .. 133
Gegenschein photographs .. 354
Geiger, Jack .. 392
Gell-Mann, Murray .. 119, 126
Gelwan, Eliot M. .. 244
Gene, Artificial .. 547
Generics, Identification .. 453
Genetic code, Garbling .. 568
Genetic counseling .. 63
Genital indices .. 507
Gentile, Jean M. .. 199
Gentry, R. Cecil .. 270, 573
Geodesic measurements .. 512
Geoghegan, William A. .. 408
Geological changes .. 11
Geological photomaps .. 508
Geomagnetic drift .. 371
George, Robert W. .. 300
Geothermal energy .. 288, 605
Germ identification .. 460
Germany's first satellite .. 208
Gerry, Edward T. .. 529
Gesell, Gerhard A. .. 75, 77
Geysers .. 608
Ghiorso, Albert .. 430
Ghost balloons .. 393
Gibbons, Ronald J. .. 619
Gigabit computer .. 345
Gigantopithecus .. 193
Giller, Edward B. .. 194
Gilman, Jeffrey F. .. 214, 522
Gingrich, James E. .. 491
Gindler, R. W. .. 39
Glass, H. Bentley .. 6, 315
Glass beads, In plastic .. 271
Glass bubbles, Fly ash .. 529
Glass
Tekites .. 577
Global atmospheric research .. 342, 534
Glomar Challenger .. 247

Leg 10 .. 429
Leg 11 .. 547
Re-entry system .. 597
Glossosperis seeds .. 326
Glucose-6-phosphatase .. 510
Glycine, FDA .. 530
Glynn, A. .. 63
Glynn, Peter .. 364
Goddard, James L. .. 181
Goffman, John W. .. 8, 311
Gold, Phil .. 346
Gold, Thomas .. 34, 43
Gold test, Immunologic .. 346
Goldberg, Edward .. 264
Goldberg, Leon .. 199
Goldsmith, John R. .. 59
Goldsmith, Ralph S. .. 568
Goldstein, R. M. .. 436
Goldwasser, Edwin L. .. 391
Goldwater, Leonard J. .. 388
Gondwanaland
Computer fit .. 320, 505
Paleontology .. 350
Reconstructed .. 229
Goodrich, William .. 183, 266
Goodwin, Brian .. 215
Gordon, C. C. .. 341
Gordon, Glen E. .. 223, 538, 561
Gordon, Richard .. 369
Gordon, Robert B. .. 173
Gorton, John G. .. 340
Gott, J. Richard III .. 553
Gottlieb, David .. 476
Gough, William C. .. 249
Gould, Harold .. 22
Gould, Mauri .. 582
Grace, Norman S. .. 136
Graduate students .. 145
Grain quality .. 618
Grand Coulee .. 329
Grant, James .. 183
Grant, Lewis O. .. 365, 384
Grant, T. J. .. 92, 318
Grant, Warren H. .. 18
Graphite fan blades .. 597
Graphite fibers .. 108, 245, 605
Grass ranges, Restored .. 41
Grave, N. C. .. 174
Gravel, Mike .. 241, 368
Gravitational effects, Particles .. 126
Gravitational fields
Magnetic field correlation .. 224
Particle theory .. 224
Gravitational waves
Experiment .. 206
Star clusters .. 42
Gravity
Sea-floor spreading .. 191
Subatomic domain .. 126
Graybiel, Ashton .. 252
Great Barrier Reef .. 552
Great Salt Lake .. 454
Greaves, Malcolm W. .. 410
Green, David E. .. 460, 547
Green, Jack Peter .. 410
Greene, J. J. .. 408, 540
Greenfield, Harvey H. .. 416
Greenland ice cap .. 39
Greenstein, George .. 42
Greenwell, B. E. .. 390
Grenell, Robert .. 246
Griffiths, Martha W. .. 175
Grim, Paul .. 155
Grimes, David W. .. 110
Griswold, John W. .. 592
Griswold, S. Smith .. 73
Groseclose, B. Clark .. 97
Groundwater
Liquid wastes .. 314
Recharge basins .. 532
Grupp, Stanley E. .. 156
Guaranteed annual income .. 37
Guillet, James E. .. 433, 484
Guiragossian, Zaven .. 438
Gulf Coast tar balls .. 551
Gulf of Mexico .. 429, 608
Gyapes, Michael T. .. 601
Guyot in a desert .. 579
Gyrotoary shaker .. 419

H

HEAO .. 369
HEW
Appointments, Security .. 37
Appropriations .. 121
Budget cuts .. 196
Directed research .. 596
Drug abuse control .. 598
HL-10, Powered landing .. 520
HMD enzyme-inhibitor .. 410
HURRAN .. 573
Hagge, Don .. 523
Hagins, William A. .. 260
Hahnium 260 .. 430
Hail suppression .. 384
Haise, Fred, Jr. .. 353, 355, 387, 407
Hait, Merritt R. .. 379
Hall, Bob .. 486
Hall, Florence .. 247

Hallam, Anthony .. 229, 320, 505
Hallucinogens .. 410
Halpern, Seymour .. 58
Hamburger, Richard .. 89
Hammond, E. Cuyler .. 169
Hammond, George S. .. 572
Hamycin, Antifungal .. 372
Handler, Philip .. 290, 432, 475, 476, 501, 546, 576
Hanks, Thrift G. .. 59
Hansen, Julia Butler .. 502
Hardin, Robert .. 596
Harris, James O. .. 556
Harris, Louis S. .. 105
Harris, Milton .. 391
Harris, Robert .. 536
Harris, Willard S. .. 246
Harris, William H. .. 127
Harrison, C. G. A. .. 270, 458
Hart, George L., Jr. .. 389
Hart, Robert .. 429
Hartmann, Ernest .. 506
Hastings, Frank .. 500
Hauser, Philip M. .. 573
Havens, William W. .. 192
Hawaii
Nuclear excavation .. 97
Hawke, Ronald S. .. 624
Hayes, Denis .. 341
Hayes, Stanley P. .. 617
Hayes, Thomas .. 549
Hays, James D. .. 191
Head injuries, Intra-cranial pressures .. 435
Head Start, Evaluation .. 247
Health budget .. 145, 480
Health care
Ambulatory units .. 267
Costs .. 430
Policies .. 7
Poor .. 47
Senate report .. 480
U.S. system .. 183
Health center, Neighborhood .. 276
Health insurance, Poor .. 599
Health services, Medicaid .. 7
Hearing disorders .. 112
Hearnden, Edward .. 388
Heart beat rate .. 275
Heart failure .. 485
Heart-rate Carp .. 246
Heat flow experiment .. 499
Heavy ions, PPA .. 328
Hechler, Ken .. 575
Heezen, Bruce C. .. 320
Heffner, Hubert .. 478
Heggstad, Howard E. .. 555
Heidig, Edwin J. .. 409
Heiles, Carl .. 553
Helicity, Antineutrino .. 318
Helicopter, London/Paris .. 481
Helicopter, S-65-200 .. 520
Helicopter shuttle .. 9
Helium, Lunar material .. 69
Helium molecules .. 151
Helium turbines .. 605
Hellyar, Merrick W. .. 520
Hemstock, R. A. .. 467, 486
Henderson, Thomas J. .. 384
Hepatitis tests .. 200, 584
Herbel, C. H. .. 41
Herbicides
Combinations .. 72
Phenylurea .. 72
2,4-D polymerized .. 578
2,4,5-T .. 456
Hereditary corpulence .. 176
Heroin addicts .. 366, 599
Heron Island .. 321
Herpes virus, Vaccine .. 200
Herschel Island .. 443
Hertz, Roy .. 93, 182
Heymann, Dieter .. 35
Heyerdahl, Thor .. 480
Hickel, Walter J. .. 122, 177, 263, 290, 314, 329, 389, 432, 456, 539, 576, 599
Hide, R. .. 224
High energy, Interactions .. 126
High-Energy Astronomy Observatory .. 369
High-energy physics .. 192, 239, 298
High-intensity beam .. 221
Hildebrand, Bernard .. 219
Hill, C. Stratton .. 618
Hill, Richard M. .. 443, 486
Hill, Robin E. T. .. 224
Hill-Burton vetoed .. 615
Hilleman, Maurice R. .. 323
Hills, Kent .. 269
Himler, George P. .. 48
Hippocampal damage .. 197
Hipsley, E. H. .. 620
Hirsch, Robert .. 373
Hirschhorn, Kurt .. 63
Histamines .. 619
Hobbs, Peter V. .. 224
Hodgkinson, Harold .. 531
Hodosh, Milton .. 10

Hoebel, Bartley G. .. 197
Holifield, Chet .. 90, 239, 474
Hollaender, Alexander .. 315
Holland, James M. .. 460
Hollaender, Edwin P. .. 397
Hollings, Ernest F. .. 267
Hollingsworth, Robert M. .. 41
Hollister, Charles D. .. 548
Holmes, Mark L. .. 434
Holper, Jacob C. .. 584
Homans, George .. 589
Hominids, Pongids .. 193
Homosexuality, Brain surgery .. 50
Inherent .. 197
Honda, Minoru .. 196
Hora, Hans .. 42
Hornig, Donald F. .. 549, 572
Horsted, Sven Aage .. 78
Hospital automating .. 268
Housewives, Time spent on chores .. 247
Housewright, Riley D. .. 62
Howard, Ernest B. .. 48
Howell, Clark .. 242
Hoyme, Lucille St. .. 255
Hsieh, Alice L. .. 427
Hsueh-shen, Chien .. 428
Hu, Esther M. .. 244
Huber, G. L. .. 556
Huebner, George J. .. 167
Huebner, Robert J. .. 40
Huff, F. A. .. 390
Hughes, George .. 178
Hughes, Harold E. .. 339, 551
Human gene synthesis .. 547
Human mutagenicity .. 315
Human sarcomas, Virus .. 344
Human waste, Pasteurized .. 223
Humphrey, Lloyd E. .. 368
Hunt, L. A. C. O. .. 443, 467, 486
Hurricane Camille .. 573
Hurricane Debbie .. 270
Hurricane warning system .. 573
Hutchinson, David .. 328
Hydrocarbon standards .. 172
Hydrocarbons, Analysis .. 554
Not biodegradable .. 263
Hydrogen
Metallic .. 623, 624
Molecular .. 595
Hydrogen atom model .. 126
Hydrogen bonds .. 18
Hydrogen chloride gas .. 433
Hydrogen cyanide .. 617
Hydrogen separation .. 319
Hydrogen sulfide, Baltic's .. 356
Hydroturbines, Grand Coulee .. 329
Hyperactive, Short sleepers .. 506
Hyperactive children .. 507
Hypertension .. 133, 460
Hypothalamus operation .. 50
Hypothyroidism .. 372
IOC (Initial Operational Capability) .. 427
IQ test, Profile .. 322
IRRPOS .. 145, 240
Ice age, In computer .. 198
Ice age ice .. 579
Ice age symbolism .. 242
Ice alert, Highway .. 128
Ice cap, Sea levels .. 39
Ilmenite, Lunar .. 100
Iltis, Hugh .. 573
Immune response, Cancer .. 344
Immune tolerance, Specific .. 323
Implosion experiment .. 625
Incoherent-scatter radar .. 123
Income maintenance .. 216
India
Nuclear powerplant .. 221
Nuclear technology .. 444
Indian Ocean, Arc formation .. 434
Infectious organisms, Detection .. 460
Inflation control .. 150
Infrared
Atmospheric soundings .. 198
Galaxies .. 10, 71, 464
Imaging system .. 345
Light amplification .. 529
Meter .. 111
Ingersoll, John .. 339
Ingis, Grant .. 468
Inkeles, Alex .. 125
Inman, W. H. W. .. 430
Innes, W. B. .. 223
Insect control, Aphid lion .. 319
Instrumental neutron activation analysis .. 538



Mitruka, Brij M.	460	Nashold, Blaine S., Jr.	317	Navigable	487	O'Keefe, John A.	34, 429, 577	Personality, Physical ailments	301
Modell, Walter	180	National Academy of Sciences,		Nova	196	Okum, Arthur	150, 561	Pesticides	
Molasse sediment	39	Coastal research	599	Nowlis, Helen	158	Olefins		Banned	620
Molecular astronomy		Drug efficacy	120, 181, 599	Nowosad, Bob	487	Ketons in one step	245	Concentrated slicks	284
Molecular probe		Environmental program	123	Nuclear detection		Marine life	264	Detection	245
Polymers	433	Ground-based solar research	124	Seismic underground	7	Olivier, Louis	485	Dias decontaminant	48
Molnar, Peter	7, 154, 191, 458	Reorganization	453	Velas	369	Olsen, Kenneth H.	270	Dieldrin	48
Monkeys, Retrieval capsules	252	National Accelerator Laboratory	239, 391, 438	Nuclear engineering		Ooyama, Katsuyuki	274	Enzymes detoxify	41, 613
Monopoles		National Air Sampling Network (NASN)	538	Canal not feasible	363	Operant conditioning	508	Exports	597
See: Magnetic monopoles		National health insurance	170, 430	Excavation cratering	97	Opp, Albert	508	Petrone, Melvin N. A.	431
Moon		National Institute of Education	265	Harbor, Hawaii	97	Organ contraceptives	181, 266, 599	Petsko, Gregory A.	71
Age determination	428	National Institutes of Health	37, 57-59, 572	Oil stimulation	90	Orbiting Primate Experiment	251	Ph.D.s. Physicists	117, 612
CO gas	69	National laboratories, Cut-backs	192	Reservoir	97	Organ preservation	295	Phenacetin, Kidney	300
Geochemical history	64	National Oceanic and Atmospheric Agency (NOAA)	150, 267	Seismic shock	97	Organ typing	295	Phenoxybenzamine	199
Inimical to life	64	National Oceanographic Laboratory System	502	Tritium	97	Organic chemistry, NIH research	476	Phillips, O. M.	240
Low surface conductivity	64	National Research Development Corporation	160	Water key factor	97	Orinase	526, 596	Philpotts, John A.	34
Major questions remaining	99	National Science Foundation	576	Nuclear power plants		Oro, John	64	Phobos	508
No bowshock	269	Authorizations	504	Chesapeake Bay	240	Orthner, Hans	50	Phonons in tantalum	553
Photographs compared	580	Budget	144	Fast breeder	148	Ortho-Novum	431	Phosphates, Detergent	
Rare elements	245	IRRPOS	145, 240	Control	406	Orthovoltage therapy	272	Detergents rated	456
Seismic activity	269	Increase	315	Helium turbines	605	Ortiz, Edwin	596	Eutrophication	408
Selenology	101	New posts	368	Radiation limits	8, 341, 500	Osaka Bay, Landfill	396	Pennsylvania	248
Sunlit areas	69	One per cent of GNP	478	Safeguards	184	Osteoporosis, Growth hormone	127	Pickling solution	319
Moon craters		Natural gas		Thermal pollution	219	Metabolic error	562	Phosphates for cavities	
Ejecta	353	Britain	256	Thermionic	491	Ostriker, Jeremiah	43	Cereals	70
Fluid-bed	9	Melville Island well	467	Nuclear reactors, India	221	Otis, Arthur B.	96	Diets	536
Moon impact, Saturn 4-B	355, 407	Nuclear blast	89	Nuclear rockets, Reusable	440	Outer planets, 1977	264	Imbedded	537
Moon particle, Spherical	33	Vehicles	73	Nuclear technology, India	444	Owen, Thomas B.	368	Photons	120, 151, 474
Moon rocks		Nature Conservation Year	280	Nuclear weapons, Japan	531	Owen, Tobias C.	290	Photosynthesis	
Analysis of	33	Naugle, John	5, 118	Nucleus, Living tissue	344	Oxygen, Senile patients	506	Bacterial	260
Anorthosites	69	Navarra, Fernand	574	Nurmia, Matti	430	Oxygen requirements, Aircraft	481	Reaction centers	12
Apollo 11	99	Navigation		Nutrition, White House Conference	37	Oxygen tank eruption	431	Simultaneous reactions	152
Apollo 12	269, 428	By radio stars	513	Nylon membranes	389	Examined	455, 571, 598	Phycomycetes	260
Geochemical evolution	101	Moving-map system	508	Nyswander, Marie	366	Oxytocin, Noise stimulates	132	Physician payments, Medicare	170
Old Solar history	528, 35	Satellite network	508			Oyama, Vance I.	64	Physician shortage	48
Moon soil	69, 243	Neck, Metastatic nodes	272	OA0-II, Comet in the ultraviolet	241	Ozone, Lung disease	556	Physicists, Fewer jobs	171, 192
Mooney, Vert	482	Neck irradiation	272	OEO health care centers	276	Ozorio, Peter	613	Piccariello, Harry	240
Moore, Dan H.	611	Negroes, In advertisements	247	OEO research and evaluation	146			Pico, Jose	272
Morgan, Carl	484	Neighborhood Health Centers	276	OPE hardware	253			Pierce, Keith	227
Morgan, Gregory	475, 476	Nelson, Gaylord	8, 93, 266, 342, 453	OSCAR	9			Pifano, Felix	485
Morgan, Jacqueline A.	601	Nelson, Glen D.	127	Obesity				Pigeons, Antifertility agent	248
Morrison, George H.	69	Neostigmine	197	Hereditary healthier	176	PG F-2 alpha, Corpus luteum	200	Pilbeam, David	193
Morrison, James	507	Hypothalamus	197	Weight loss	531	PKIP waves	505	Pioneer line-ups, 1970-72	19
Morrow, James E.	179	Nephrophan membrane	349	Ocean		Pacemaker, Cardiac	104	Piper, Arthur M.	314
Morton, Donald	344	Neuberg, Hugo	574	Ferromagnetic spheres	173	Failures	500	Pipetting device	111
Mosee, Charles	435	Neuhauser, Frank L.	614	Source of CO	96, 458	Glucose fuel cell	128	Pipkin, Bernard W.	211
Moses, Carl	367	Neureiter, Norman P.	405	Strontium 90 fallout	270	Promethium	619	Pitelka, Frank A.	260
Moskowitz, Marwin	11	Neurochemicals	197	Surface temperatures	505	Pacific Coast, Solid-earth tide	171	Planets, Grand tour	264
Moss, Frank	551	Neutron/electron bond	92	Ocean-air model	534	Pacific plate, Decoupled	458	Plant life, Pollution	555
Mother/infant interactions	506	Neutron radiography, Portable	221	Ocean-atmosphere systems	533	Pacific sea floor		Plaques	
Moulton point	354	Neutron stars, Magnetic fields	457	Drilling depth record	548	Gravity	191	Blood vessel walls	415
Mt. Ararat expedition	574	Model	626	400-foot hole	579	Moving	434	Proline hydroxylase	530
Mount Asmara	579	Neutrons, Trapping	318	Jurisdiction	526	Pacific weather net	371	Plasma membranes, Cancer	510
Mouse plague	290	New Guinea natives	620	Linear features	371	Pacini, Franco	43	Plasma torch, Garbage	249
Mouse syndrome, Noise	133	Newman, William A.	364, 525	Resources	526, 613	Page, A. L.	223	Plastic deformation theory	627
Mouthwash, Chlorhexidine	176	Neyman, Jerzy	173, 365	Ocean of Storms	580	Page, Thomas F., Jr.	18	Plastics	
Mowill, R. J.	605	Ng, Jeffrey	244	Biological		Paget's disease	568	Biodegradation	484
Moynihan, Daniel Patrick	37	Nickel-base alloy	108	Coastal safeguards	599	Pain, Surgery relieves	317	Bone material	11
Muehlnar, Dirk	465	Nickel carbonyl	560	Coordinated research	502	Paine, Thomas O.	60, 149, 264, 407, 431, 478, 571	Glass beads	271
Muhleman, Duane O.	481	Nierzwicki, Carl P.	61	Department	267	Pakiser, Louis C., Jr.	178	Hearts	375
Muhler, Joseph C.	70, 537	Nikolayev, Andrian G.	615	Oceans, Tectonics	192	Pal, Yash	71	Holes in tubing	424
Mulligan, Hugh F.	483	Nishizawa, Junichi	221	O'Connor, Timothy E.	23	Palathingal, J. C.	318	Lubricant	271
Multiple births, Preventable	98	Nitrate levels, Rio Grande	483	Office of Economic Opportunity	146, 216, 276	Paleontology, Antarctic	350	Mine walls	174
Multiples	374	Nitrate pollution	321	Ohia tree	411	Palmore, Erdman	589	Roadbed	
Mulvaney, D. J.	255	Nitrioltriacetate (NIA)	408	Ohkawa, Tihoro	374	Panalba	120, 242, 268	strengtheners	128
Municipal wastes, Plasma torch	250	Nitrofururylidene	485	Ohsumi satellite	232	Panama Canal, Alternate routes	363, 364	Plate tectonics	
Murakami, Murao	516	Nitrogen oxide standard	172	Oil, Age of	594	Pancreatitis, Alcoholic	482	Americas	270
Muscle fibers, Abnormal	506	Nitrogen-oxygen breathing	240	Oil and gas, Bering Sea	320	Papanastassiou, D. A.	428	California	224
Muskie, Edmund S.	122, 168, 502, 576, 614	Nitrosamines	98	Oil burners, Improved	128	Papyrus boat	480	Gravity	191
Mutagens, Toxicity	314	Nixon, Richard M.		Oil from garbage	433	Paraffins, Toxic	264	Middle America	153
Mutation, Sulfur dioxide	176	Budget	57, 143, 150	Oil industry, Unleaded gasoline	167	Parathyroid hormone	562	Mountain building	39
Myers, Albert E.	367	Consumer message	500	Oil leases, Santa Barbara	599	Parker, Eugene	477, 557	Rift Valley	458
Myers, Dale	407	Environment		Oil pipeline, Arctic		Parker, Jack	72	Platelets, Clotting	377
		HEW veto	121	Above-ground	178, 432	Parkinsonism, HMD and L-dopa	410, 568	Pleistocene temperature	505
		Health insurance	599	Canadian terminal	443	Parman, George K.	90	Ploughshare Program	89, 148
		Headed gasoline	167	Ecological effect	177, 389	Pars, Harry	104	Plummer, William T.	222
		Pollution	122, 502	Rival pipelines	442	Particle counter	419	Plutonium particles, Inhaled	194
		Science policy	478, 572	Temperatures	443	Particle cross sections	437	Pocket coating gauge	111
		Scientific research	476	Trans-Alaskan	177, 178	Particle physicists	171	Polarization, Milky Way	477
		Seabed treaty	526	Oil pollution, Biochemical effects	263, 264	Particle physics	126, 239, 298	Pollock, Robert	532
		Nizel, Abraham E.	536	Oil reserves, Canadian Artic		Particles, G symmetry	119	Pollution	
		Noergaard, Jens	78	466, 486, 594		Particulates, Climatic effects	270	Antiscience bias	432
		Noise		Oil shale, Tritium	90	Pastore, John D.	440	Effects on weather	390, 576
		Effect on fetus	133	Oil slick removal, Canada		Patent Cooperation Treaty	575, 614	Pollution control	
		Electrocuting	221	Oil spills		Prior art	614	Amortization	38
		Levels compared	132	Control	424	Payne, Roger S.	555	Budget	122, 502
		Physiological effects	132	Esters of sorbital	248	Peakall, David B.	321	Minnesota	406
		Suppressors, SST	501	Expensive	486	Peanut oil, Arteriosclerotic effect	40	Polmeat, Ian	578
		Non-proliferation treaty, Japan	184	Louisiana	263, 290	Pearson, Erman A.	555	Poly I:C	
		Norred, William P.	530	Nova Scotia	551	Pearson, H. H.	300	Antibacterial Immunity	484
		Northwest Passage		Sand sink	578	Pearson, J. M.	222	Polychlorinated biphenyls	321
		Canada's jurisdiction	443	O'Leary, John F.	575	Pell, Clairborne	526	Polymer, Water-degradable	578
		International waters	420	O'Leary, Laurence	388	Pelligra, Ralph	40	Polyurethane	178, 349
						Perfusion technique, Kidneys	295	Polyurethane	17, 71, 287
						Perkins, Richard W.	64	Ponnamperuma, Cyril A.	64
						Perlite fire extinguisher	271	Popov, Vladimir	615
						Perlmutter, Arnold	120	Population and Environment	573
						Permafrost		Portable recorder	419
						Oil pipeline	177, 486	Porter, Curt C.	410
						Tundra	218	Portis, Alan	582
						Pernicious anemia test	482	Potassium sulfate	454
								Potomac River	433



