

# Author Index to Volume 238

## October–December 1987

### A

- Aaronson, Stuart A. *See* Lacal, Juan Carlos.  
Abelson, Philip H. (editorials): Brittle books and journals. p595 30 Oct 1987. Continuing education for blue-collar workers. p875 13 Nov 1987. Federal and trade deficits. p1211 27 Nov 1987. Instrumentation and equipment. p257 16 Oct 1987. Ozone and acid rain. p141 9 Oct 1987.  
Acton, L. W. *See* Underwood, J. H.  
Admon, Arie. *See* Bohmann, Dirk.  
Agard, David A. *See* Hiraoka, Yasushi.  
Ahearn, John F.: TMI and Chernobyl (letter). p145 9 Oct 1987.  
Akira, Shizuo; Okazaki, Kenji; Sakano, Hitoshi: Two pairs of recombination signals are sufficient to cause immunoglobulin V-(D)-J joining. p1134 20 Nov 1987.  
Albonici, Loredana. *See* Manzari, Vittorio.  
Alexander, Hannah. *See* Geysen, H. Mario.  
Alger, Christopher S. *See* Keefer, David K.  
Ali, Iqbal Unnisa; Lidereau, Rosette; Theillet, Charles; Callahan, Robert: Reduction of homozygosity of genes on chromosome II in human breast neoplasia. p185 9 Oct 1987.  
Allan, D. W. *See* Rawley, L. A.  
Allan, J. David: review of *Predation*, edited by W. Charles Kerfoot and Andrew Sih. p93 2 Oct 1987.  
Allen, D. P. *See* Mendillo, M.  
Allen, F. M.; Smith, B. K.; Buseck, P. R.: Direct observation of dissociated dislocations in garnet. p1695 18 Dec 1987.  
Allitto, Bernice A. *See* Gilliam, T. Conrad.  
Almeida, Fernando A. *See* Maack, Thomas.  
Alt, Frederick W.; Blackwell, T. Keith; Yancopoulos, George D.: Development of the primary antibody repertoire. p1079 20 Nov 1987.  
Altman, Sidney. *See* McClain, William H.  
Alvarez-Mon, Melchor. *See* Kehrl, John H.  
Alyea, F. *See* Prinn, R.  
Amaducci, Luigi. *See* St George-Hyslop, Peter H.  
Ames, Bruce N. and Gold, Lois Swirsky: Paleolithic diet, evolution, and carcinogens (letter). p1634 18 Dec 1987.  
Amos, Jean A. *See* St George-Hyslop, Peter H.  
Anderson, Paul S. *See* Lacal, Juan Carlos.  
Angiello, J. *See* Heiney, P. A.  
Arendash, Gary W.; Millard, William J.; Dunn, Adrian J.; Meyer, Edwin M.: Long-term neuropathological and neurochemical effects of nucleus basalis lesions in the rat. p952 13 Nov 1987.  
Ashkenazi, Avi; Winslow, John W.; Peralta, Ernest G.; Peterson, Gary L.; Schimerlik, Michael I.; Capon, Daniel J.; Ramachandran, Janakiraman: An M2 muscarinic receptor subtype coupled to both adenylyl cyclase and phosphoinositide turnover. p672 30 Oct 1987.  
Avruch, Joseph. *See* Grove, J. Russell.  
Awodi, Shuaibu. *See* Weisenberg, Richard C.  
Axe, John: review of *Fifty Years of Neutron Diffraction*, edited by G. E. Bacon. p221 9 Oct 1987.

### B

- Babco, Eleanor L.: Salaries of scientists up modestly (AAAS). p1426 4 Dec 1987.

- Baldwin, B. A. *See* Kendrick, Keith M.  
Bally, John: Detection of molecule spectra (letter). p143 9 Oct 1987.  
Bancel, P. A. *See* Heiney, P. A.  
Band, Hamid; Hochstenbach, Frans; McLean, Joanne; Hata, Shingo; Krangel, Michael S.; Brenner, Michael B.: Immunochemical proof that a novel rearranging gene encodes the T cell receptor  $\delta$  subunit. p682 30 Oct 1987.  
Bansberg, Joern. *See* Lubben, Thomas H.  
Barcenas-Ruiz, L.; Beuckelmann, D. J.; Wier, W. G.: Sodium-calcium exchange in heart: membrane currents and changes in  $[Ca^{2+}]_i$ . p1720 18 Dec 1987.  
Barillari, Giovanni. *See* Manzari, Vittorio.  
Barker, E. S. *See* Sawyer, S. R.  
Barkley, Theodore M.: Big league botany (letter). p1027 20 Nov 1987.  
Barnes, Deborah M. (news): Alzheimer's protein is also in infant brains. p1652 18 Dec 1987.  
Gene makeup a surprise. p1513 11 Dec 1987.  
Molecular events guide embryonic development. p893 13 Nov 1987. New questions about AIDS test accuracy. p884 13 Nov 1987.  
"On the shelf" AIDS drug in clinical trial. p276 16 Oct 1987. Patterns and processes mark brain activity. p892 13 Nov 1987. Peptide turn-on for the ACh receptor gene. p1652 18 Dec 1987. Thanks for the memory. p1651 18 Dec 1987.  
Barnett, T. P. *See* Graham, N. E.  
Barrett, Alan H.; Snyder, Lewis E.; Townes, Charles E.; Welch, W. Jack: Detection of molecule spectra (letter). p143 9 Oct 1987.  
Barriocanal, Javier G. *See* Hentze, Matthias.  
Bartoo, John-David F. *See* Dere, Kenneth P.  
Basgall, Monte (news): Duke's heart center in bureaucratic jam. p882 13 Nov 1987. Tower study hints at a "sixth force." p1654 18 Dec 1987.  
Bassett, W. A. and Huang, E.: Mechanism of the body-centered cubic-hexagonal close-packed phase transition in iron. p780 6 Nov 1987.  
Bassin, Robert H. *See* Egan, Sean E.  
Baumeister, Kirk. *See* Prober, James M.  
Baumgardner, J. *See* Mendillo, M.  
Beach, Judith E. *See* Bernton, Edward W.  
Bear, Mark F. *See* Kleinschmidt, Andreas.  
Beckwith, James B. *See* Ivory, Cornelius F.  
Beguinot, Laura. *See* Velu, Thierry J.  
Belcher, John W.: The Jupiter-Io connection: an Alfvén engine in space. p170 9 Oct 1987.  
Belwood, Jacqueline J. and Morris, Glenn K.: Bat predation and its influence on calling behavior in neotropical katydids. p64 2 Oct 1987.  
Benbrook, Doris and Pfahl, Magnus: A novel thyroid hormone receptor encoded by a cDNA clone from a human testis library. p788 6 Nov 1987.  
Benites, Jose R. *See* Sanchez, Pedro A.  
Benoit, Robert; Ling, Nicholas; Esch, Frederick: A new prosomatostatin-derived peptide reveals a pattern for prohormone cleavage at monobasic sites. p1126 20 Nov 1987.  
Bentley, Charles R. *See* Weller, Gunter.  
Bentley, David. *See* Cesarman, Ethel.  
Berkenbosch, Frank; van Oers, Joep; del Rey, Adriana; Tilders, Fred; Besedovsky, Hugo: Corticotropin-releasing factor-producing neu-
- rons in the rat activated by interleukin-1. p524 23 Oct 1987.  
Berlin, Joshua R. *See* Cannell, Mark B.  
Bernstein, Alan. *See* Breitman, Martin L.  
Bernton, Edward W.; Beach, Judith E.; Holaday, John W.; Smallridge, Robert C.; Fein, Henry G.: Release of multiple hormones by a direct action of interleukin-1 on pituitary cells. p519 23 Oct 1987.  
Besedovsky, Hugo. *See* Berkenbosch, Frank.  
Betzel, Ch. *See* Hinrichs, W.  
Beuckelmann, D. J. *See* Barcenas-Ruiz, L.  
Bidigare, R. R. *See* Brooks, James M.  
Binnian, E. F. *See* Walker, D. A.  
Bird, Edward D. *See* Tanzi, Rudolph E.  
Birnbaumer, Lutz. *See* Yatani, Atsuko.  
Blackwell, T. Keith. *See* Alt, Frederick W.  
Blaho, John A. *See* Jaworski, Adam.  
Blair, C. M., Jr.: Oil and gas discovery rates (letter). p873 13 Nov 1987.  
Blalock, J. Edwin: Virus-induced increases in plasma corticosterone (technical comment). p1424 4 Dec 1987.  
Blight, Andrew R. *See* Borgens, Richard B.  
Bloedel, James R.: The cerebellum and memory storage (technical comment). p1728 18 Dec 1987.  
Bodfish, James W. *See* St George-Hyslop, Peter H.  
Bohmann, Dirk; Bos, Timothy J.; Admon, Arie; Nishimura, Tetsuji; Vogt, Peter K.; Tjian, Robert: Human proto-oncogene *c-jun* encodes a DNA binding protein with structural and functional properties of transcription factor AP-1. p1386 4 Dec 1987.  
Boller, Francois. *See* Zubenko, George S.  
Bongaarts, John. *See* Greenhalgh, Susan.  
Book, Steven A.: California's Proposition 65: a reply (letter). p1635 18 Dec 1987.  
Boone, Tom. *See* Brandhuber, Barbara J.  
Booth, William (news): AIDS 101. p477 23 Oct 1987. AIDS panel goes to Congress. p149 9 Oct 1987. Another muzzle for AIDS education? p1036 20 Nov 1987. Big brother is counting your keystrokes. p17 2 Oct 1987. Engineers hear a competitive parable. p474 23 Oct 1987. Fresh troops for President's AIDS panel. p1034 20 Nov 1987. A frustrating glimpse of the true AIDS epidemic. p747 6 Nov 1987. Fusion's \$372-million mothball. p152 9 Oct 1987. Gallo gets itchy feet, looks to academe. p1223 27 Nov 1987. Gallo to stay at NIH—for now, at least. p1349 4 Dec 1987. Postmortem on Three Mile Island. p1342 4 Dec 1987. President's AIDS panel in disarray. p262 16 Oct 1987. President's AIDS panel issues first report. p1506 11 Dec 1987.  
Borgens, Richard B.; Blight, Andrew R.; McGinnis, M. E.: Behavioral recovery induced by applied electric fields after spinal cord hemisection in guinea pig. p366 16 Oct 1987.  
Bos, Timothy J. *See* Bohmann, Dirk.  
Bothwell, Robert: review of *Klaus Fuchs*, by Norman Moss, and *Klaus Fuchs, Atom Spy*, by Robert Chadwell Williams. p831 6 Nov 1987.  
Bowker, Keith: Journal price increases (letter). p597 30 Oct 1987.  
Brabb, Earl E. *See* Keefer, David K.  
Bradburn, Norman M. and Rosen, David: Walter

- E. Massey: president-elect of AAAS (AAAS). p1657 18 Dec 1987.
- Bradshaw, Ralph A. *See* Morrison, Richard S.
- Brandhuber, Barbara J.; Boone, Tom; Kenney, William C.; McKay, David B.: Three-dimensional structure of interleukin-2. p1707 18 Dec 1987.
- Breitman, Martin L.; Clapoff, Susan; Rossant, Janet; Tsui, Lap-Chee; Glode, L. Michael; Maxwell, Ian H.; Bernstein, Alan: Genetic ablation: targeted expression of a toxin gene causes microphthalmia in transgenic mice. p1563 11 Dec 1987.
- Brenner, Michael B. *See* Band, Hamid. *See also* Hata, Shingo.
- Briand, Frédéric and Cohen, Joel E.: Environmental correlates of food chain length. p956 13 Nov 1987.
- Briggs, Vernon M., Jr.: The growth and composition of the U.S. labor force. p176 9 Oct 1987.
- Brill, A. B. *See* John, E. Roy.
- Brinster, Ralph L. *See* Ornitz, David M.
- Brooks, James M.; Kennicutt, M. C., II; Fisher, C. R.; Macko, S. A.; Cole, K.; Childress, J. J.; Bidigare, R. R.; Vetter, R. D.: Deep-sea hydrocarbon seep communities: evidence for energy and nutritional carbon sources. p1138 20 Nov 1987.
- Brown, Arthur M. *See* Yatani, Atsuko.
- Brown, Charles R.: review of *Population Ecology of the Cooperatively Breeding Acorn Woodpecker*, by Walter D. Koenig and Ronald L. Mumme. p1590 11 Dec 1987.
- Brown, Gordon E., Jr. *See* Hayes, Kim F.
- Brown, Paul S. *See* Miller, George H.
- Brown, R. H. *See* Cruikshank, D. P.
- Brown, Richard G. B.: review of *Seabirds*, edited by J. P. Croxall. p222 9 Oct 1987.
- Brown, Robert A. and Giacconi, Riccardo: New directions for space astronomy. p617 30 Oct 1987.
- Brown, Steven B. *See* Trebes, James E.
- Brown, W. A. *See* Underwood, J. H.
- Brown, William M., III. *See* Keefer, David K.
- Bruccoleri, Robert E. *See* Novotny, Jiri.
- Brucekner, Guenter E. *See* Dere, Kenneth P.
- Bruist, Michael F. *See* Sluka, James P.
- Bruner, M. E. *See* Underwood, J. H.
- Bruni, Amalia. *See* St George-Hyslop, Peter H.
- Bucan, Maja. *See* Gilliam, T. Conrad.
- Budiansky, Stephen (news): Radar's growing vulnerability. p1219 27 Nov 1987.
- Bullock, Peter. *See* Dodson, Mark.
- Bunn, Christopher C. and Mathews, Michael B.: Autoreactive epitope defined as the anticodon region of alanine transfer RNA. p1116 20 Nov 1987.
- Burns, Stephen: Negative Poisson's ratio materials (technical comment). p551 23 Oct 1987.
- Burr, Benjamin. *See* Schmidt, Robert J.
- Burr, Frances A. *See* Schmidt, Robert J.
- Burt, R. *See* Leppert, M.
- Buseck, P. R. *See* Allen, F. M.
- Butterworth, A. E. *See* Capron, André.
- Büttner, G. *See* Hinrichs, W.
- Byer, Robert L. *See* Faris, Gregory W.
- Byrn, Randal A. *See* Smith, Douglas H.
- C**
- Cai, Sheng-Jian. *See* Chen, San-Hwan.
- Callahan, Robert. *See* Ali, Iqbal Unnisa.
- Campbell, Blair F.; Chance, Mark R.; Friedman, Joel M.: Linkage of functional and structural heterogeneity in proteins: dynamic hole burning in carboxymyoglobin. p373 16 Oct 1987.
- Campbell, E. Michael. *See* Trebes, James E.
- Campbell, Linda A. *See* Courtois, Gilles.
- Cannell, Mark B.; Berlin, Joshua R.; Lederer, William J.: Effect of membrane potential changes on the calcium transient in single rat cardiac muscle cells. p1419 4 Dec 1987.
- Cannon, Gordon C.: Sequence analysis on microcomputers. p97 2 Oct 1987.
- Capel, M. S.; Engelman, D. M.; Freeborn, B. R.; Kjeldgaard, M.; Langer, J. A.; Ramakrishnan, V.; Schindler, D. G.; Schneider, D. K.; Schoenborn, B. P.; Sillers, I.-Y.; Yabuki, S.; Moore, P. B.: A complete mapping of the proteins in the small ribosomal subunit of *Escherichia coli*. p1403 4 Dec 1987.
- Capon, Daniel J. *See* Ashkenazi, Avi. *See also* Smith, Douglas H.
- Capron, André; Dessaint, J. P.; Capron, M.; Ouma, J. H.; Butterworth, A. E.: Immunity to schistosomes: progress toward vaccine. p1065 20 Nov 1987.
- Capron, M. *See* Capron, André.
- Caras, Ingrid W.; Weddell, Gregory N.; Davitz, Michael A.; Nussenzweig, Victor; Martin, David W., Jr.: Signal for attachment of a phospholipid membrane anchor in decay accelerating factor. p1280 27 Nov 1987.
- Carlier, Marie-France. *See* Korn, Edward D.
- Carlson, William D. *See* Novotny, Jiri.
- Caron, M. G. *See* Kobilka, B. K.
- Carter, Stephen L.: review of *Genetics in the Courts*, by Henry M. Butzel. p969 13 Nov 1987.
- Carthew, Richard W. *See* Chodosh, Lewis A.
- Cassatt, James C. and Peterson, Jane L.: GenBank information (letter). p1215 27 Nov 1987.
- Castiglia, Cathy L.: Transmission of AIDS virus (letter). p1497 11 Dec 1987.
- Caughman, S. Wright. *See* Hentze, Matthias.
- Caulfield, Michael P. *See* Horiuchi, Noboru.
- Cayan, D. R. *See* Venrick, E. L.
- Cesarman, Ethel; Dalla-Favera, Riccardo; Bentley, David; Groudine, Mark: Mutations in the first exon are associated with altered transcription of c-myc in Burkitt lymphoma. p1272 27 Nov 1987.
- Chan, Lawrence. *See* Chen, San-Hwan.
- Chance, Mark R. *See* Campbell, Blair F.
- Chandrasegaran, Srinivasan. *See* Privé, Gilbert G.
- Chaplin, David D. *See* Chou, Hubert S.
- Charles, Daniel (news): DOD sees risks in plutonium trade. p886 13 Nov 1987. DOE undermines own nonproliferation effort. p1224 27 Nov 1987.
- Chaudhari, P.; LeGoues, F. K.; Segmüller, Armin: The microstructure of high-critical current superconducting films. p342 16 Oct 1987.
- Chen, Cheng-ping. *See* Lee, Richard E., Jr.
- Chen, San-Hwan; Habib, Geetha; Yang, Chao-Yuh; Gu, Zi-Wei; Lee, Bo Rong; Weng, Shuai; Silberman, Steven R.; Cai, Sheng-Jian; Deslyper, J. P.; Rosseneu, Maryvonne; Gotto, Antonio M., Jr.; Li, Wen-Hsiung; Chan, Lawrence: Apolipoprotein B-48 is the product of a messenger RNA with an organ-specific in-frame stop codon. p362 16 Oct 1987.
- Cheng, Patricia W. *See* Nisbett, Richard E.
- Cheng, Shirley V. *See* Gilliam, T. Conrad.
- Childress, J. J. *See* Brooks, James M.
- Chodosh, Lewis A.; Carthew, Richard W.; Morgan, John G.; Crabtree, Gerald R.; Sharp, Phillip A.: The adenovirus major late transcription factor activates the rat  $\gamma$ -fibrinogen promoter. p684 30 Oct 1987.
- Chou, Hubert S.; Nelson, Christopher A.; Godambe, Sandip A.; Chaplin, David D.; Loh, Dennis Y.: Germline organization of the murine T cell receptor  $\beta$ -chain genes. p545 23 Oct 1987.
- Chow, Ida. *See* Young, Steven H.
- Clapoff, Susan. *See* Breitman, Martin L.
- Claudio, Toni; Green, W. N.; Hartman, Deborah S.; Hayden, Deborah; Paulson, Henry L.; Sigworth, F. J.; Sine, Steven M.; Swedlund, Anne: Genetic reconstitution of functional acetylcholine receptor channels in mouse fibroblasts. p1688 18 Dec 1987.
- Clemens, Thomas L. *See* Horiuchi, Noboru.
- Cleveland, Cutler J.: Oil and gas discovery rates (letter). p878 13 Nov 1987.
- Cochran, A. L. *See* Sawyer, S. R.
- Cochran, W. D. *See* Sawyer, S. R.
- Cocuzza, Anthony J. *See* Prober, James M.
- Codina, Juan. *See* Yatani, Atsuko.
- Cohen, Bruce M. *See* Zubenko, George S.
- Cohen, Joel E. *See* Briand, Frédéric.
- Cole, K. *See* Brooks, James M.
- Collen, D. *See* Holmes, W. E.
- Conneally, P. Michael. *See* Gilliam, T. Conrad.
- Cook, John W. *See* Dere, Kenneth P.
- Coppens, P. *See* Prewitt, C. T.
- Corey, D. R. and Schultz, P. G.: Generation of a hybrid sequence-specific single-stranded deoxyribonuclease. p1401 4 Dec 1987.
- Courtois, Gilles; Morgan, John G.; Campbell, Linda A.; Fourel, Genevieve; Crabtree, Gerald R.: Interaction of a liver-specific nuclear factor with the fibrinogen and  $\alpha_1$ -antitrypsin promoters. p688 30 Oct 1987.
- Crabtree, Gerald R. *See* Chodosh, Lewis A. *See also* Courtois, Gilles.
- Crawford, A. *See* Prinn, R.
- Crawford, Mark (news): Biotechnology's stock market blues. p1503 11 Dec 1987. Document links NSF official to biotech firm. p742 6 Nov 1987. EPA to cut U.S. CFC production to protect ozone in stratosphere. p1505 11 Dec 1987. Gramm-Rudman-Hollings strikes back. p604 30 Oct 1987. In the shadow of the budget ax. p1225 27 Nov 1987. NASA denied access to DOE laser fusion data. p1648 18 Dec 1987. NSF official's finances probed by Justice. p478 23 Oct 1987. Science agencies brace for 1988 budget cuts. p477 23 Oct 1987. Science budgets get lift from Senate. p151 9 Oct 1987. Science committee okays supercollider. p477 23 Oct 1987. Soviet physicists map collider strategy. p1036 20 Nov 1987. Soviets pin economic hopes on technology. p1643 18 Dec 1987. Soviets plan huge linear collider. p162 2 Oct 1987. Soviets test Monsanto's milk production hormone. p1648 18 Dec 1987. U.S.S.R. eyes role in U.S. compact tokamak ignition experiment. p1035 20 Nov 1987. Wyngaarden to chair biotech council. p1504 11 Dec 1987.
- Cruickshank, Alexander M.: Gordon Research Conferences. p212 9 Oct 1987.
- Cruikshank, D. P. and Brown, R. H.: Organic matter on asteroid 130 Elektra. p183 9 Oct 1987.
- Crumpler, L. S. *See* Head, James W., III.
- Cruz-Uribe, Kathryn: review of *The Archeology of Animals*, by Simon J. M. Davis. p833 6 Nov 1987.
- Culliton, Barbara J. (news): Alexander Bearn: new Hughes trustee. p477 23 Oct 1987. Howard Hughes moves into science education. p150 9 Oct 1987. Maxwell may back Gallo. p1643 18 Dec 1987. New vice president and trustee named at Hughes. p749 6 Nov 1987.
- Cumano, Ana. *See* Rajewsky, Klaus.
- Cunnold, D. *See* Prinn, R.
- Cupples, L. Adrienne. *See* St George-Hyslop, Peter H.
- Curran, James F. and Yarus, Michael: Reading frame selection and transfer RNA anticodon loop stacking. p1545 11 Dec 1987.

## D

- Dalla-Favera, Riccardo. *See* Cesarman, Ethel.  
Dam, Rudy J. *See* Prober, James M.  
Dancis, Andrew. *See* Hentze, Matthias.  
Davies, P. J.; Symonds, P. A.; Feary, D. A.; Pigram, C. J.: Horizontal plate motion: a key allocyclic factor in the evolution of the Great Barrier Reef. p1697 18 Dec 1987.  
Davis, Devra Lee: Paleolithic diet, evolution, and carcinogens (letter). p1633 18 Dec 1987.  
Davis, M. M. *See* Rawley, L. A.  
Davitz, Michael A. *See* Caras, Ingrid W.  
—; Hereld, Dale; Shak, Steve; Krakow, Jessica; Englund, Paul T.; Nussenzweig, Victor: A glycan-phosphatidylinositol-specific phospholipase D in human serum. p81 2 Oct 1987.  
Dawid, Igor. *See* Wu, Carl.  
de la Cruz, V. F. *See* Gunderson, J. H.  
de la Peña, Pilar. *See* Lacal, Juan Carlos.  
De Marchis, Laura. *See* Manzari, Vittorio.  
Dean, Frank B. *See* Dodson, Mark.  
Dean, P. N. *See* Gray, J. W.  
Deevey, Edward S., Jr.: Of doomsday and the lower Mississippi (letter). p1215 27 Nov 1987.  
del Rey, Adriana. *See* Berkenbosch, Frank.  
DeLoache, Judy S.: Rapid change in the symbolic functioning of very young children. p1556 11 Dec 1987.  
Dervan, Peter B. *See* Moser, Heinz E. *See also* Sluka, James P.  
Deslypere, J. P. *See* Chen, San-Hwan.  
Dessaint, J. P. *See* Capron, André.  
Deutsch, Curtis K. *See* St George-Hyslop, Peter H.  
Dickerson, Richard E. *See* Privé, Gilbert G.  
Dickson, David (news): Africa begins to face up to AIDS. p605 30 Oct 1987. British government rekindles debate on embryo research. p1348 4 Dec 1987. Bumps and falls on the road to Stockholm. p263 16 Oct 1987. Europe in space: the program is in French. p1645 18 Dec 1987. Europe splits over gene regulation. p18 2 Oct 1987. European Southern Observatory. p1648 18 Dec 1987. Feathers still fly in row over fossil bird. p475 23 Oct 1987. Kondratiev rehabilitated. p149 9 Oct 1987. OECD to set rules for international science. p743 6 Nov 1987. One AIDS problem or two? p606 30 Oct 1987. Protesta nix plan to orbit a ring of light. p1648 18 Dec 1987. Radiation dose limits. p1349 4 Dec 1987. Rubbia in line to head CERN. p1223 27 Nov 1987. A scientist back at the helm of Unesco? p473 23 Oct 1987. Slowdown for French fast breeders? p472 23 Oct 1987. (letter): Recombinant DNA release: European regulation. p1025 20 Nov 1987.  
Diefenbach-Jagger, Hannelore. *See* Kemp, Bruce E.  
Dinarello, Charles A. *See* Folks, Thomas M.  
Dingledine, Raymond. *See* Verdoorn, Todd A.  
Dobbs, M. *See* Leppert, M.  
Dodson, Mark; Dean, Frank B.; Bullock, Peter; Echols, Harrison; Hurwitz, Jerard: Unwinding of duplex DNA from the SV40 origin of replication by T antigen. p964 13 Nov 1987.  
Donnelly, Warren H.: review of *Nuclear Blackmail and Nuclear Balance*, by Richard K. Betts. p1447 4 Dec 1987.  
Dougherty, Robert M.: Transmission of AIDS virus (letter). p1497 11 Dec 1987.  
Doyle, James A.: review of *Pollen and Spores*,

- edited by S. Blackmore and J. K. Ferguson. p557 23 Oct 1987.  
Drachman, David. *See* St George-Hyslop, Peter H.  
Drake, Charles L.: Cost of geological congress (letter). p1340 4 Dec 1987.  
Dreher, J. W. *See* Welch, Wm. J.  
Dukovich, Mitchell. *See* Siekewitz, Miriam.  
Dunn, Adrian J. *See* Arendash, Gary W.  
—; Powell, Marie Louise; Gaskin, Jack M.: Virus-induced increases in plasma corticosterone (technical comment). p1423 4 Dec 1987.
- ## E
- Eaton, Jerry P. *See* Zoback, Mark D.  
Ebeling, Peter R. *See* Kemp, Bruce E.  
Eberhardt, K. R. *See* Leifer, Robert.  
Echols, Harrison. *See* Dodson, Mark.  
Egan, Sean E.; Wright, Jim A.; Jarolim, Lenka; Yanagihara, Kazuyoshi; Bassin, Robert H.; Greenberg, Arnold H.: Transformation by oncogenes encoding protein kinases induces the metastatic phenotype. p202 9 Oct 1987.  
Egger, Richard. *See* Richter, Klaus.  
Eisenberg, David. *See* Sharp, Phillip A.  
Eisner, Robert: The federal deficit (letter). p1496 11 Dec 1987.  
Ellen, Stephen D. *See* Keefer, David K.  
Elliot, David H. *See* Weller, Gunter.  
Ellis, G. R. A. *See* Mendillo, M.  
Engelman, D. M. *See* Capel, M. S.  
Engesser, K.-H. *See* Rojo, F.  
Englund, Paul T. *See* Davitz, Michael A.  
Eppig, John J.: review of *Experimental Approaches to Mammalian Embryonic Development*, edited by Janet Rossant and Roger A. Pedersen. p970 13 Nov 1987.  
Epstein, Gerald L.: review of *Space and National Security*, by Paul B. Stares. p1589 11 Dec 1987.  
Esch, Frederick. *See* Benoit, Robert.  
Etzkowitz, Henry: review of *Science in Action*, by Bruno Latour. p695 30 Oct 1987.  
Evans, Gary W. *See* Shapiro, Deane H., Jr.  
Evans, W. E. J.; Kerr, J. B.; Wardle, D. I.; Forester, A. J.: Monitoring of atmospheric ozone (letter). p1216 27 Nov 1987.  
Everett, K. R. *See* Walker, D. A.  
Ewald, Paul W.: review of *Helping and Communal Breeding in Birds*, by Jerram L. Brown. p697 30 Oct 1987.
- ## F
- Fair, Charles M.: Monoclonal antibodies as phylogenetic labels (technical comment). p1730 18 Dec 1987.  
Faltens, Tanya A. *See* zur Loye, Hans-Conrad.  
Farber, Henry S.: The recent decline of unionization in the United States. p915 13 Nov 1987.  
Faris, Gregory W. and Byer, Robert L.: Quantitative three-dimensional optical tomographic imaging of supersonic flows. p1700 18 Dec 1987.  
Farniarz, Anne. *See* Gilliam, T. Conrad.  
Fassett, J. D. *See* Leifer, Robert.  
Fauci, Anthony S. *See* Folks, Thomas M. *See also* Keefer, John H.  
Fazio, Vito. *See* Manzari, Vittorio.  
Fearon, Eric R.; Hamilton, Stanley R.; Vogelstein, Bert: Clonal analysis of human colorectal tumors. p193 9 Oct 1987.  
Feary, D. A. *See* Davies, P. J.  
Feder, R. *See* Howells, M.  
Feener, Chris C. *See* Hoffman, Eric P.  
Fein, Henry G. *See* Bernton, Edward W.  
Feiveson, Harold A.; Paine, Christopher E.; von Hippel, Frank: A low-threshold test ban is

- feasible. p455 23 Oct 1987.  
Feldman, Robert G. *See* St George-Hyslop, Peter H.  
Findlay, Trevor: review of *A Very Special Relationship*, by Lorna Arnold. p409 16 Oct 1987.  
Finger, L. W. *See* Prewitt, C. T.  
Fischer, Claude S.: review of *The Social Construction of Technological Systems*, edited by Wiebe E. Bijker, Thomas P. Hughes, and Trevor J. Pinch. p1152 20 Nov 1987.  
Fisher, C. R. *See* Brooks, James M.  
Fisher, John E. *See* Horiuchi, Noboru.  
Fisher, W. L.: Oil and gas discovery rates (letter). p879 13 Nov 1987.  
Fligiel, Suzanne E. G. *See* Ginsburg, Isaac.  
Flynn, James. *See* Weisenberg, Richard C.  
Folks, Thomas M.; Justement, Jesse; Kinter, Audrey; Dinarello, Charles A.; Fauci, Anthony S.: Cytokine-induced expression of HIV-1 in a chronically infected promonocyte cell lines. p800 6 Nov 1987.  
Foncin, Jean-Francois. *See* St George-Hyslop, Peter H.  
Fong, Geoffrey T. *See* Nisbett, Richard E.  
Forester, A. J. *See* Evans, W. E. J.  
Förster, Irmgard. *See* Rajewsky, Klaus.  
Foster, J. *See* Mendillo, M.  
Fotheringham, John B.: Facial recognition cells and autism (letter). p1496 11 Dec 1987.  
Fourel, Genevieve. *See* Courtois, Gilles.  
Fowler, William A. *See* Michel, F. Curtis.  
Francke, U. *See* Kobilka, B. K.  
Fraser, Gerald T. *See* Nelson, David D.  
Fraser, P. *See* Prinn, R.  
Frati, Luigi. *See* Manzari, Vittorio.  
Free, John B.: review of *The Biology of the Honey Bee*, by Mark L. Winston. p1591 11 Dec 1987.  
Freeborn, B. R. *See* Capel, M. S.  
Freedman, Daniel Z.: review of *Superstring Theory*, by Michael B. Green, John H. Schwarz, and Edward Witten. p94 2 Oct 1987.  
Friedman, Joel M. *See* Campbell, Blair F.  
Friedman, Louis: Mars mission (letter). p1341 4 Dec 1987.  
Frischauf, Anna-Maria. *See* Gilliam, T. Conrad.  
Frohnhofer, Hans Georg. *See* Nüsslein-Volhard, Christine.  
Fukunaga, Osamu. *See* Mishima, Osamu.  
Fulton, R. Jerrold. *See* Vietetta, Ellen S.  
Fuscoe, J. C. *See* Gray, J. W.
- ## G
- Gallagher, Michela: review of *Memory and Brain*, by Larry R. Squire. p697 30 Oct 1987.  
Gallistel, C. R. *See* McEachron, Donald L.  
Gamboa, George J.: review of *Kin Recognition in Animals*, edited by David J. C. Fletcher and Charles D. Michener. p1592 11 Dec 1987.  
Gao, Baohong. *See* Weisenberg, Richard C.  
Garcia-Barreno, Pedro. *See* Lacal, Juan Carlos.  
Gardner, E. *See* Leppert, M.  
Gaskin, Jack M. *See* Dunn, Adrian J.  
Gayle, F. W. *See* Heiney, P. A.  
Gendel, Steven M.: Computer technology (letter). p1341 4 Dec 1987.  
Gengenbach, Burle G. *See* Peschke, Virginia M.  
Gershengorn, Marvin C. *See* Oron, Yoram.  
Getzoff, Elizabeth D. *See* Geysen, H. Mario.  
Geysen, H. Mario; Rodda, Stuart J.; Mason, Tom J.; Tainer, John A.; Alexander, Hannah; Getzoff, Elizabeth D.; Lerner, Richard A.: Antigenicity of myohemerythrin (technical comment). p1584 11 Dec 1987.  
Giacconi, Riccardo. *See* Brown, Robert A.  
Gilliam, T. Conrad; Bucan, Maja; MacDonald, Marcy E.; Zimmer, Michael; Haines, Jonathan L.; Cheng, Shirley V.; Pohl, Thomas M.; Mey-

ers, Richard H.; Whaley, William, L.; Allitto, Bernice A.; Faryniarz, Anne; Wasmuth, John J.; Frischauft, Anna-Maria; Conneally, P. Michael; Lehrach, Hans; Gusella, James F.: A DNA segment encoding two genes very tightly linked to Huntington's disease. p950 13 Nov 1987.

Ginsburg, Isaac; Fligel, Suzanne E. G.; Kunkel, Robin G.; Riser, Bruce L.; Varani, James: Phagocytosis of *Candida albicans* enhances malignant behavior of murine tumor cells. p1573 11 Dec 1987.

Gipe, Robert K. *See* Perrin, Charles L.

Gismondi, Angela. *See* Manzari, Vittorio.

Glode, L. Michael. *See* Breitman, Martin L.

Gluzman, Ilya Y. *See* Krogstand, Donald J.

Gobie, William A. *See* Ivory, Cornelius F.

Godambe, Sandip A. *See* Chou, Hubert S.

Goenaga, C. *See* Williams, E. H., Jr.

Gold, Lois Swirsky. *See* Ames, Bruce N.

Golden, David M. *See* Tolbert, Margaret A.

Goldman, Mark E. *See* Horiuchi, Noboru.

Goldman, Marvin: Chernobyl: a radiobiological perspective. p622 30 Oct 1987.

Goodman, Howard M. *See* Grove, J. Russell.

Goodman, Morris. *See* Miyamoto, Michael M.

Goodman, Steven R. *See* Weisenberg, Richard C.

Gotto, Antonio M., Jr. *See* Chen, San-Hwan.

Gradilone, Angela. *See* Manzari, Vittorio.

Graf, Jeannette. *See* Iwamoto, Yukihide.

Graham, N. E. and Barnett, T. P.: Sea surface temperature, surface wind divergence, and convection over tropical oceans. p657 30 Oct 1987.

Gray, J. W.; Dean, P. N.; Fusco, J. C.; Peters, D. C.; Trask, B. J.; van den Engh, G. J.; Van Dilla, M. A.: High-speed chromosome sorting. p323 16 Oct 1987.

Grebogi, Celso; Ott, Edward; Yorke, James A.: Chaos, strange attractors, and fractal basin boundaries in nonlinear dynamics. p632 30 Oct 1987.

Green, W. N. *See* Claudio, Toni.

Greenberg, Arnold H. *See* Egan, Sean E.

Greenberg, O. W.: review of *The Quantum Universe*, by Tony Hey and Patrick Walters. p558 23 Oct 1987.

Greene, Warner C. *See* Siekavitz, Miriam.

Greenfield, Larry; Johnson, Virginia Gray; Youle, Richard J.: Mutations in diphtheria toxin separate binding from entry and amplify immuno-toxin selectivity. p536 23 Oct 1987.

Greengard, Paul. *See* Südhof, Thomas C.

Greenhalgh, Susan and Bongaarts, John: China's population program (letter). p1026 20 Nov 1987.

Gregory, Timothy. *See* Smith, Douglas H.

Grinspoon, David H.: Was Venus wet? deuterium reconsidered. p1702 18 Dec 1987.

Groopman, Jerome E. *See* Smith, Douglas H.

Groudine, Mark. *See* Ceserman, Ethel.

Grove, J. Russell; Price, Daniel J.; Goodman, Howard M.; Avruch, Joseph: Recombinant fragment of protein kinase inhibitor blocks cyclic AMP-dependent gene transcription. p530 23 Oct 1987.

Growdon, John. *See* St George-Hyslop, Peter H.

Gruner, Sol M.: Time-resolved x-ray diffraction of biological materials. p305 16 Oct 1987.

Gu, Zi-Wei. *See* Chen, San-Hwan.

Guerrier-Takada, Cecilia. *See* McClain, William H.

Gunderson, J. H.; Sogin, M. L.; Wollett, G.; Hollingdale, M.; de la Cruz, V. F.; Waters, A. P.; McCutchan, T. F.: Structurally distinct, stage-specific ribosomes occur in *Plasmodium*. p933 13 Nov 1987.

Gusella, James F. *See* Gilliam, T. Conrad. *See also* St George-Hyslop, Peter H.

## H and I

Haber, Edgar. *See* Novotny, Jiri.

Habib, Geetha. *See* Chen, San-Hwan.

Hagiwara, Koichi. *See* Hirai, Hisamaru.

Haines, Jonathan L. *See* Gilliam, T. Conrad.

Haisch, B. M. *See* Underwood, J. H.

Hall, R. L.: More on chemical carcinogenesis (letter). p1493 11 Dec 1987.

Hall, W. G. *See* Kucharski, David.

Halalam, Anthony: End-Cretaceous mass extinction event: argument for terrestrial causation. p1237 27 Nov 1987.

Ham, William K. *See* zur Loya, Hans-Conrad.

Hamilton, Stanley R. *See* Fearon, Eric R.

Hammer, Robert E. *See* Ornitz, David M.

Hancox, M.: review of *The Natural History of Badgers*, by Ernest Neal. p970 13 Nov 1987.

Hand, Peter J. *See* McEachron, Donald L.

Handschaumacher, Mark. *See* Novotny, Jiri.

Hanson, A. A.: Agricultural R&D (letter). p1494 11 Dec 1987.

Harford, Joe B. *See* Hentze, Matthias.

Harp, Edwin L. *See* Keefer, David K.

Hartman, Deborah S. *See* Claudio, Toni.

Hartwell, Leland H. *See* Koshland, Douglas.

Hasegawa, Akira: International Science Foundation (letter). p448 23 Oct 1987.

Hata, Shingo. *See* Band, Hamid.

—; Brenner, Michael B.; Krangel, Michael S.: Identification of putative human T cell receptor δ complementary DNA clones. p678 30 Oct 1987.

Hayden, Deborah. *See* Claudio, Toni.

Hayden, Robert M.: Liability insurance and litigation (letter). p1635 18 Dec 1987.

Hayes, Kim F.; Roe, A. Lawrence; Brown, Gordon E., Jr.; Hodgson, Keith O.; Leckie, James O.; Parks, George A.: In situ x-ray absorption study of surface complexes: selenium oxyanions on α-FeOOH. p783 6 Nov 1987.

Hayward, T. L. *See* Venrick, E. L.

Head, James W., III and Crumpler, L. S.: Evidence for divergent plate-boundary characteristics and crustal spreading on Venus. p1380 4 Dec 1987.

Healy, John H. *See* Zoback, Mark D.

Heath, G. Ross. *See* Miles, Edward L.

Heinemann, Udo. *See* Privé, Gilbert G.

Heiney, P. A.; Bancel, P. A.; Horn, P. M.; Jordan, J. L.; LaPlaca, S.; Angiello, J.; Gayle, F. W.: Disorder in Al-Li-Cu and Al-Mn-Si icosahedral alloys. p660 30 Oct 1987.

Hentze, Matthias; Caughman, S. Wright; Rouault, Tracey A.; Barriocanal, Javier G.; Dancis, Andrew; Harford, Joe B.; Klausner, Richard D.: Identification of the iron-responsive element for the translational regulation of human ferritin mRNA. p1570 11 Dec 1987.

Hereld, Dale. *See* Davitz, Michael A.

Hergenbrother, Robert. *See* Ivory, Cornelius F.

Herzberg, Gerhard: Molecular spectra (letter). p1341 4 Dec 1987.

Hide, Raymond: review of *A View of the Sea*, by Henry Stommel. p696 30 Oct 1987.

Hillson, Jan L. *See* Schroeder, Harry W., Jr.

Himrichs, W.; Büttner, G.; Steifa, M.; Betzel, Ch.; Zabel, V.; Pfannmüller, B.; Saenger, W.: An amylose antiparallel double helix at atomic resolution. p205 9 Oct 1987.

Hirai, Hisamaru; Maru, Yoshiro; Hagiwara, Koichi; Nishida, Junji; Takaku, Fumimaro: A novel putative tyrosine kinase receptor encoded by the *eph* gene. p1717 18 Dec 1987.

Hiraoka, Yasushi; Sedat, John W.; Agard, David A.: The use of a charge-coupled device for quantitative optical microscopy of biological structures. p36 2 Oct 1987.

Hobbs, Frank W. *See* Prober, James M.

Hochstenbach, Frans. *See* Band, Hamid.

Hockfield, Susan: Monoclonal antibodies as phylogenetic labels (technical comment). p1731 18 Dec 1987.

Hodgson, Keith O. *See* Hayes, Kim F.

Hoffman, Eric P.; Monaco, Anthony P.; Feener, Chris C.; Kunkel, Louis M.: Conservation of the Duchenne muscular dystrophy gene in mice and humans. p347 16 Oct 1987.

Holiday, John W. *See* Bernton, Edward W.

Holden, Constance (news): Academy helps Army be all that it can be. p1501 11 Dec 1987.

Animal regulations: so far, so good. p880 13 Nov 1987.

Apples, frogs, and animal rights. p1345 4 Dec 1987.

Census compromise reached. p149 9 Oct 1987.

Crafoord Prize. p149 9 Oct 1987.

Doctors square off on employee drug testing. p744 6 Nov 1987.

Is alcoholism a disease? p1647 18 Dec 1987.

Is the time ripe for welfare reform? p607 30 Oct 1987.

Koryagin skeptical on *glasnost*. p476 23 Oct 1987.

Morrison makes TV debut. p23 2 Oct 1987.

Networks nix contraceptives ad. p887 13 Nov 1987.

NIH finally resolves 7-year dispute. p151 9 Oct 1987.

NIMH gets new director. p1648 18 Dec 1987.

U.S. antiabortion policy may increase abortions. p1222 27 Nov 1987.

Why do women live longer than men? p158 9 Oct 1987.

Yale takes action against psychiatrists for financial improprieties. p745 6 Nov 1987.

Holliday, Robin: The inheritance of epigenetic defects. p163 9 Oct 1987.

Hollingdale, M. *See* Gunderson, J. H.

Hollister, Charles D. *See* Miles, Edward L.

Holmes, W. E.; Lijnen, H. R.; Nelles, L.; Kluft, C.; Nieuwenhuys, H. K.; Rijken, D. C.; Collen, D.: α<sub>2</sub>-Antiplasmin enschede: alanine insertion and abolition of plasmin inhibitory activity. p209 9 Oct 1987.

Holt, Don: Agricultural R&D (letter). p1494 11 Dec 1987.

Holt, J. *See* Mendillo, M.

Horiuchi, Noboru; Caulfield, Michael P.; Fisher, John E.; Goldman, Mark E.; McKee, Roberta L.; Reagan, Jane E.; Levy, Jay J.; Nutt, Ruth F.; Rodman, Sevgi B.; Schofield, Timothy L.; Clemens, Thomas L.; Rosenblatt, Michael: Similarity of synthetic peptide from human tumor to parathyroid hormone in vivo and in vitro. p1566 11 Dec 1987.

Horn, P. M. *See* Heiney, P. A.

Horowitz, Norman H.: Man on Mars: a turnabout (letter). p10 2 Oct 1987.

Horvath, Suzanna J. *See* Sluka, James P.

House, Colin and Kemp, Bruce E.: Protein kinase C contains a pseudosubstrate prototype in its regulatory domain. p1726 18 Dec 1987.

Howard Louis N. *See* Makino, Clint L.

Howard, Don: review of *The Shaky Game*, by Arthur Fine. p409 16 Oct 1987.

Howells, M.; Jacobsen, C.; Kirz, J.; Feder, R.; McQuaid, K.; Rothman, S.: X-ray holograms at improved resolution: a study of zymogen granules. p514 23 Oct 1987.

Hsieh, Wang-Ting. *See* Jaworski, Adam.

Hsui, Albert T.: Newton gravitational constant (letter). p1027 20 Nov 1987.

Hu, Jing-Shan. *See* Wilcox, Celeste.

Huang, E. *See* Bassett, W. A.

Huber, Peter: Injury litigation and liability insurance dynamics. p31 2 Oct 1987.

Liability insurance and litigation (letter). p1636 18 Dec 1987.

Hughes, J. *See* Leppert, M.

Hunten, Donald M. *See* Schneider, Nicholas M.

Hurwitz, Jerard. *See* Dodson, Mark.

Imoto, Yutaka. *See* Yatani, Atsuko.

- Ingle, David: Color vision and the retinex theory (technical comment). p1732 18 Dec 1987.
- Iversen, Patrick: The candidates' budgets (letter). p260 16 Oct 1987.
- Ivory, Cornelius F.; Gobie, William A.; Beckwith, James B.; Hergenbrother, Robert; Malec, Michael: Electromagnetic stabilization of weakly conducting fluids. p58 2 Oct 1987.
- Iwamoto, Yukihide; Robey, Frank A.; Graf, Jeanette; Sasaki, Makoto; Kleinman, Hydna K.; Yamada, Yoshihiko; Martin, George R.: YIGSR, a synthetic laminin pentapeptide, inhibits experimental metastasis formation. p1132 20 Nov 1987.

## J and K

- Jablonski, David: review of *Fossil Invertebrates*, edited by Richard S. Boardman, Alan H. Cheetham, and Albert J. Rowell. p1153 20 Nov 1987. Heritability at the species level: analysis of geographic ranges of Cretaceous mollusks. p360 16 Oct 1987.
- Jackson, Ivor M. D. *See Segerson, Thomas P.*
- Jackson, J. M. *See Welch, Wm. J.*
- Jacobsen, C. *See Howells, M.*
- Jahn, Reinhard. *See Südhof, Thomas C.*
- Jarolim, Lenka. *See Egan, Sean E.*
- Jasny, Barbara (news): Insect viruses invade biotechnology. p1653 18 Dec 1987.
- Jaworski, Adam; Hsieh, Wang-Ting; Blaho, John A.; Larson, Jacquelynn E.; Wells, Robert D.: Left-handed DNA in vivo. p773 6 Nov 1987.
- Jensen, Bryan C. *See Selker, Eric U.*
- Jensen, Mark A. *See Prober, James M.*
- Jimenez, Joaquin J. and Yunis, Adel A.: Tumor cell rejection through terminal cell differentiation. p1278 27 Nov 1987.
- John, E. Roy; Tang, Y.; Brill, A. B.; Young, R.; Ono, K.: Do 15 million cat neurons mediate the memory of a circle and a star? (technical comment). p1587 11 Dec 1987.
- Johnson, Dan M.: Robert Frost on thinking (letter). p447 23 Oct 1987.
- Johnson, Virginia Gray. *See Greenfield, Larry.*
- Jones, Elizabeth W. *See Lemmon, Sandra K.*
- Jones, Lucile. *See Zoback, Mark D.*
- Joravsky, David: review of *Domestic Tyranny*, by Elizabeth P. Fleck. p1738 18 Dec 1987.
- Jordan, J. L. *See Heiney, P. A.*
- Josephs, Steven F. *See Sicklevitz, Miriam.*
- Jukes, Thomas H.: Manned Mars expedition (letter). p732 6 Nov 1987.
- Justement, Jesse. *See Folks, Thomas M.*
- Juzdan, Z. Russell. *See Leifer, Robert.*
- Kafka, John S.: The cognitive unconscious (letter). p1638 18 Dec 1987.
- Kagnoff, Martin F. *See Omary, M. Bishr.*
- Kalliola, Risto J. *See Räsänen, Matti E.*
- Kan, Lou-Sing. *See Privé, Gilbert G.*
- Kappler, John. *See Marrack, Philippa.*
- Kauer, John. *See Segerson, Thomas P.*
- Kaysen, Carl: review of *Making Weapons, Talking Peace*, by Herbert F. York. p1446 4 Dec 1987.
- Keefer, David K.; Wilson, Raymond C.; Mark, Robert K.; Brabb, Earl E.; Brown, William M., III; Ellen, Stephen D.; Harp, Edwin L.; Wienczorek, Gerald F.; Alger, Christopher S.; Zatkin, Robert S.: Real-time landslide warning during heavy rainfall. p921 13 Nov 1987.
- Keegstra, Kenneth. *See Lubben, Thomas H.*
- Kehrl, John H.; Alvarez-Mon, Melchor; Delsing, Gita A.; Fauci, Anthony S.: Lymphotxin is an important T cell-derived growth factor for human B cells. p1144 20 Nov 1987.
- Keller, Richard W., Jr., and Zigmond, Michael J.:

- review of *Monitoring Neurotransmitter Release during Behavior*, edited by M. H. Joseph, M. Fillenz, I. A. MacDonald, and C. A. Marsden, and *Neurochemical Analysis of the Conscious Brain*, edited by Robert D. Myersd Peter J. Knott. p1448 4 Dec 1987.
- Keller, Steven W. *See zur Loye, Hans-Conrad.*
- Kelley, W. R. *See Leifer, Robert.*
- Kemp, Bruce E. *See House, Colin.*
- \_\_\_\_\_; Moseley, Jane M.; Rodda, Christine P.; Ebeling, Peter R.; Wettenhall, Richard E. H.; Stapleton, David; Diefenbach-Jagger, Hannalore; Ure, Fiona; Michelangeli, Valdo P.; Simmons, Hollis A.; Raisz, Lawrence G.; Martin, T. John: Parathyroid hormone-related proteins of malignancy: active synthetic fragments. p1568 11 Dec 1987.

- Kendrick, Keith M. and Baldwin, B. A.: Facial recognition cells and autism (letter). p1497 11 Dec 1987.
- Kennel, C. F. *See Michel, F. Curtis.*
- Kenney, William C. *See Brandhuber, Barbara J.*
- Kennicutt, M. C., II. *See Brooks, James M.*
- Kerr, J. B. *See Evans, W. E. J.*
- Kerr, Richard A. (news): Ancient air analyzed in dinosaur-age amber. p890 13 Nov 1987. A better fit for the plate tectonic puzzle. p30 2 Oct 1987. Capturing El Niño in models. p1507 11 Dec 1987. El Niño and winter weather. p1508 11 Dec 1987. Hot dry rock: problems, promise. p1226 27 Nov 1987. Present at the birth of the ore deposit. p890 13 Nov 1987. Seeing bright spots in the middle crust. p891 13 Nov 1987. Sunspot-weather correlation found. p479 23 Oct 1987. What is worse than "the big one"? p269 16 Oct 1987. Winds, pollutants drive ozone hole. p156 9 Oct 1987. (letter): What drives the aurora? p1340 4 Dec 1987.

- Kihlstrom, John F.: The cognitive unconscious (letter). p1638 18 Dec 1987.
- Kim, Sung-Hou. *See Tomic, Milan T.*
- Kimelberg, Harold K.: "Homology" controversy (letter). p1217 27 Nov 1987.
- Kinney, T. B., Jr.: Peer review at the Agricultural Research Service (letter). p448 23 Oct 1987.
- Kinsbourne, Marcel. *See St George-Hyslop, Peter H.*
- Kinter, Audrey. *See Folks, Thomas M.*
- Kirkpatrick, Bruce C.; Stenger, Drake C.; Morris, T. Jack; Purcell, Alexander H.: Cloning and detection of DNA from a nonculturable plant pathogenic mycoplasma-like organism. p197 9 Oct 1987.

- Kirz, J. *See Howells, M.*
- Kjeldgaard, M. *See Capel, M. S.*
- Klausner, Richard D. *See Hentze, Matthias.*
- Kleckner, Nancy W. *See Verdoorn, Todd A.*
- Klein, George: The approaching era of the tumor suppressor genes. p1539 11 Dec 1987.
- Kleinman, Hydna K. *See Iwamoto, Yukihide.*
- Kleinschmidt, Andreas; Bear, Mark F.; Singer, Wolf: Blockade of "NMDA" receptors disrupts experience-dependent plasticity of kitten striate cortex. p355 16 Oct 1987.
- Klekociuk, A. *See Mendillo, M.*
- Klemperer, William. *See Nelson, David D.*
- Kluft, C. *See Holmes, W. E.*
- Knackmuss, H.-J. *See Rojo, F.*
- Kobilka, B. K.; Matsui, H.; Kobilka, T. S.; Yang-Feng, T. L.; Francke, U.; Caron, M. G.; Lefkowitz, R. J.; Regan, J. W.: Cloning, sequencing, and expression of the gene coding for the human platelet  $\alpha_2$ -adrenergic receptor. p650 30 Oct 1987.
- Kobilka, T. S. *See Kobilka, B. K.*
- Kopka, Mary L. *See Privé, Gilbert G.*
- Korn, Edward D.; Carlier, Marie-France; Panta-

- loni, Dominique: Actin polymerization and ATP hydrolysis. p638 30 Oct 1987.
- Kornblum, Harley I. *See Morrison, Richard S.*
- Koshland, Daniel E., Jr. (editorials): Arms and the men. p9 2 Oct 1987. Cassette principles. p445 23 Oct 1987. Frontiers in immunology. p1023 20 Nov 1987. The omnipotence scandal. p1335 4 Dec 1987. Retroactive prophets. p727 6 Nov 1987.

- Koshland, Douglas and Hartwell, Leland H.: The structure of sister minichromosome DNA before anaphase in *Saccharomyces cerevisiae*. p1713 18 Dec 1987.

- Krakow, Jessica. *See Davitz, Michael A.*
- Krangel, Michael S. *See Band, Hamid.* *See also Hata, Shingo.*

Kreil, Günther. *See Richter, Klaus.*

- Krogstand, Donald J.; Gluzman, Ilya Y.; Kyle, Dennis E.; Oduola, Ayoade M. J.; Martin, Samuel K.; Milhous, Wilbur K.; Schlesinger, Paul H.: Efflux of chloroquine from *Plasmodium falciparum*: mechanism of chloroquine resistance. p1283 27 Nov 1987.

- Kucharski, David and Hall, W. G.: New routes to early memories. p786 6 Nov 1987.

- Kuhn, Andreas: Bacteriophage M13 procoat protein inserts into the plasma membrane as a loop structure. p1413 4 Dec 1987.

- Kunkel, Louis M. *See Hoffman, Eric P.*

- Kunkel, Robin G. *See Ginsburg, Isaac.*

- Kyle, Dennis E. *See Krogstand, Donald J.*

## L

- Lacal, Juan Carlos; de la Peña, Pilar; Moscat, Jorge; García-Barreno, Pedro; Anderson, Paul S.; Aaronson, Stuart A.: Rapid stimulation of diacylglycerol production in *Xenopus* oocytes by microinjection of H-ras p21. p533 23 Oct 1987.

- Lakes, Roderic: Negative Poisson's ratio materials (technical comment). p551 23 Oct 1987.

- Lalouel, J.-M. *See Leppert, M.*

- Lamb, R. C. and Weekes, T. C.: Very high energy gamma-ray binary stars. p1528 11 Dec 1987.

- Lamp, Scott T. *See Weiss, James N.*

- Langer, J. A. *See Capel, M. S.*

- Lanzерotti, Louis, J. *See Weller, Gunter.*

- LaPlaca, S. *See Heiney, P. A.*

- Larson, Allan. *See Wake, David B.*

- Larson, Jacquelynn E. *See Jaworski, Adam.*

- Lasby, Clarence G.: review of *The Dread Disease*, by James T. Patterson. p1589 11 Dec 1987.

- Lathrop, M. *See Leppert, M.*

- Latt, Samuel A. *See Tanzi, Rudolph E.*

- Lattman, Laurence H.: review of *Geomorphology from Space*, edited by Nicholas M. Short and Robert W. Blair, Jr. p1298 27 Nov 1987.

- Lawless, Gregory F.: Chernobyl public health effects (letter). p10 2 Oct 1987.

- Leary, Kevin J. *See zur Loye, Hans-Conrad.*

- Lechan, Ronald M. *See Segerson, Thomas P.*

- Leckie, James O. *See Hayes, Kim F.*

- Lederer, N. D. *See Walker, D. A.*

- Lederer, William J. *See Cannell, Mark B.*

- Lee, Alfred McClung: Comparison of high schools (letter). p261 16 Oct 1987.

- Lee, Bo Rong. *See Chen, San-Hwan.*

- Lee, Gloria. *See Podlisny, Marcia Berman.*

- Lee, Richard E., Jr.; Chen, Cheng-ping; Dendlinger, David L.: A rapid cold-hardening process in insects. p1415 4 Dec 1987.

- Lefkowitz, R. J. *See Kobilka, B. K.*

- LeGoues, F. K. *See Chaudhari, P.*

- Lehman, Darrin R. *See Nisbett, Richard E.*

- Lehmann, Ruth. *See Nüsslein-Volhard, Christine.*

- Lehrach, Hans. *See Gilliam, T. Conrad.*

- Leifer, Robert; Juzdan, Z. Russell; Kelley, W. R.;

- Fassett, J. D.; Eberhardt, K. R.: Detection of uranium from Cosmos-1402 in the stratosphere. p512 23 Oct 1987.
- Lemmon, Sandra K. and Jones, Elizabeth W.: Clathrin requirement for normal growth of yeast. p504 23 Oct 1987.
- Leonard, Warren J. *See* Siegel, Jay P.
- Leppert, M.; Dobbs, M.; Scambler, P.; O'Connell, P.; Nakamura, Y.; Stauffer, D.; Woodward, S.; Burt, R.; Hughes, J.; Gardner, E.; Lathrop, M.; Wasmuth, J.; Lalouel, J.-M.; White, R.: The gene for familial polyposis coli maps to the long arm of chromosome 5. p1411 4 Dec 1987.
- Lerner, Richard A. *See* Geysen, H. Mario.
- Leslie, Frances M. *See* Morrison, Richard S.
- Levy, Jay J. *See* Horiuchi, Noboru.
- Lewicki, John A. *See* Maack, Thomas.
- Lewin, Roger (news): Chemistry in the image of biology. p611 30 Oct 1987. Do animals read minds, tell lies? p1350 4 Dec 1987. Domino effect invoked in ice age extinctions. p1509 11 Dec 1987. Ecological invasions offer opportunities. p752 6 Nov 1987. The first Americans are getting younger. p1230 27 Nov 1987. My close cousin the chimpanzee. p273 16 Oct 1987. A new window onto the chemists' Big Bang. p1512 11 Dec 1987. Speaking in many tongues. p1232 27 Nov 1987. The unmasking of mitochondrial Eve. p24 2 Oct 1987.
- Li, Wen-Hsiung. *See* Chen, San-Hwan.
- Lidereau, Rosette. *See* Ali, Iqbal Unnisa.
- Lijnen, H. R. *See* Holmes, W. E.
- Lindow, Steven E. *See* Purcell, Alexander H.
- Ling, Nicholas. *See* Benoit, Robert.
- Litan, Robert E.: review of *Technology and Global Industry*, edited by Bruce R. Guile and Harvey Brooks. p92 2 Oct 1987.
- Livingston, Katherine: review of *Advances in Physiological Research*, edited by H. McLennan, J. R. Ledsome, C. H. S. McIntosh, and D. R. Jones. p1154 20 Nov 1987. review of *Current Topics in AIDS*, edited by M. S. Gottlieb, D. J. Jeffries, D. Mildvan, A. J. Pinching, T. C. Quinn, and R. A. Weiss. p558 23 Oct 1987. review of *Lasers*, edited by Jesse H. Ausubel and H. Dale Langford. p558 23 Oct 1987. review of *The Latest on the Best*, edited by John Dupré. p1154 20 Nov 1987. review of *The Psychology of Women*, edited by Mary Roth Walsh. p154 20 Nov 1987.
- Loh, Dennis Y. *See* Chou, Hubert S.
- Lottspeich, Friedrich. *See* Südhof, Thomas C.
- Lowy, Douglas R. *See* Velu, Thierry J.
- Lubben, Thomas H.; Bansberg, Joern; Keegstra, Kenneth: Stop-transfer regions do not halt translocation of proteins into chloroplasts. p1112 20 Nov 1987.
- Luchins, Abraham S. and Luchins, Edith H.: *Einstellung* effects (letter). p598 30 Oct 1987.
- Luchins, Edith H. *See* Luchins, Abraham S.
- Lumpkin, Michael D.: The regulation of ACTH secretion by IL-1. p452 23 Oct 1987.
- M**
- Maack, Thomas; Suzuki, Muneya; Almeida, Fernando A.; Nussenzeig, D.; Scarborough, Robert M.; McEnroe, Glenn A.; Lewicki, John A.: Physiological role of silent receptors of atrial natriuretic factor. p675 30 Oct 1987.
- MacCracken, Michael C.: The chlorofluorocarbon dilemma (letter). p598 30 Oct 1987.
- MacDonald, Marcy E. *See* Gilliam, T. Conrad.
- Macko, S. A. *See* Brooks, James M.
- Magrassi, Lorenzo. *See* Purves, Dale.
- Makino, Clini L.; Howard Louis N.; Williams, Theodore P.: Intracellular topography of rho-dopsin bleaching. p1716 18 Dec 1987.
- Malec, Michael. *See* Ivory, Cornelius F.
- Malhotra, Ripudaman. *See* Tolbert, Margaret A.
- Manzari, Vittorio; Gismondi, Angela; Barillari, Giovanni; Morrone, Stefania; Modesti, Andrea; Albonici, Loredana; De Marchis, Laura; Fazio, Vito; Gradiolone, Angela; Zani, Massimo; Frati, Luigi; Santoni, Angela: HTLV-V: a new human retrovirus isolated in a Tac-negative T cell lymphoma/leukemia. p1581 11 Dec 1987.
- Mark, Robert K. *See* Keefer, David K.
- Markhart, Albert H., III: review of *Stomatal Function*, edited by Eduardo Zeiger, G. D. Farquhar and J. R. Cowan. p1297 27 Nov 1987.
- Marrack, Philippa and Kappler, John: The T cell receptor. p1073 20 Nov 1987.
- Marshall, Eliot (news): Europe votes to expand space program. p1034 20 Nov 1987. GM wants to use Soviet launchers. p23 2 Oct 1987. Gould's laser patents advance in court. p1349 4 Dec 1987. A matter of time. p1641 18 Dec 1987. NASA sets shuttle launch dates, investigates main engine trouble. p610 30 Oct 1987. Nobel Prize for theory of economic growth. p754 6 Nov 1987. A plea to close defense reactors. p886 13 Nov 1987. Progress on a chemical arms treaty. p471 23 Oct 1987. Reinventing the space truck. p266 16 Oct 1987. Safety of DOE reactors questioned. p741 6 Nov 1987. A spy satellite for the press? p1346 4 Dec 1987.
- Marsters, Scot A. *See* Smith, Douglas H.
- Martin, David W., Jr. *See* Caras, Ingrid W.
- Martin, George R. *See* Iwamoto, Yukihide.
- Martin, Joseph B.: Molecular genetics: applications to the clinical neurosciences. p765 6 Nov 1987.
- Martin, Samuel K. *See* Krogstand, Donald J.
- Martin, T. John. *See* Kemp, Bruce E.
- Maru, Yoshiro. *See* Hirai, Hisamaru.
- Marx, Jean L. (news): Alzheimer's drug trial put on hold. p1041 20 Nov 1987. Animals yield clues to Huntington's disease. p1510 18 Dec 1987. Antibody research garners Nobel Prize. p484 23 Oct 1987. Calcium ions may have their ups and downs. p616 30 Oct 1987. Imaging technique passes muster. p888 13 Nov 1987. New role proposed for  $\alpha$ -adrenergic receptor. p616 30 Oct 1987. Oncogene linked to fruit-fly development. p160 9 Oct 1987. Receptors gene family is growing. p615 30 Oct 1987. Role of Alzheimer's protein is tangled. p1352 4 Dec 1987. Structure of MHC protein solved. p613 30 Oct 1987.
- Mason, Tom J. *See* Geysen, H. Mario.
- Mathews, Michael B. *See* Bunn, Christopher C. Matson, Pamela A. *See* Mooney, Harold A. *See also* Vitousek, Peter M.
- Matsui, H. *See* Kobilka, B. K.
- Matthew, James B. *See* Wendoloski, J. J.
- Matthews, Dennis L. *See* Trebes, James E.
- Mawby, Russell G.: University-based public service (editorial). p1491 11 Dec 1987.
- Maxwell, Ian H. *See* Breitman, Martin L.
- May, Richard D. *See* Vitetta, Ellen S.
- McCammon, J. Andrew: Computer-aided molecular design. p486 23 Oct 1987.
- McClain, William H.; Guerrier-Takada, Cecilia; Altman, Sidney: Model substrates for an RNA enzyme. p527 23 Oct 1987.
- McConnell, Ernest E.: Chemical carcinogenesis (letter). p259 16 Oct 1987.
- McCord, Thomas B.: review of *Space Resources*, by John S. Lewis and Ruth A. Lewis. p1447 4 Dec 1987.
- McCormick, Frank. *See* Trahey, Meg.
- McCutchan, T. F. *See* Gunderson, J. H.
- McEachron, Donald L.; Gallistel, C. R.; Hand, Peter J.: Do 15 million cat neurons mediate the memory of a circle and a star? (technical comment). p1587 11 Dec 1987.
- McEnroe, Glenn A. *See* Maack, Thomas.
- McGinnis, M. E. *See* Borgens, Richard B.
- McGowan, J. A. *See* Venrick, E. L.
- McKay, David B. *See* Brandhuber, Barbara J.
- McKee, Roberta L. *See* Horiuchi, Noboru.
- McLean, Joanne. *See* Band, Hamid.
- McNeil, Paul L. *See* Swanson, Joel A.
- McPherron, Robert L.: What drives the aurora? (letter). p1340 4 Dec 1987.
- McQuaid, K. *See* Howells, M.
- Mehl, Ehrenfried. *See* Südhof, Thomas C.
- Meisler, Miriam: Chemical carcinogenesis (letter). p259 16 Oct 1987.
- Melchoir, Donald L.: Quick-freeze lipid techniques: correction (technical comment). p550 23 Oct 1987.
- Mella, Fulvio: review of *High Energy Phenomena Around Collapsed Stars*, edited by F. Pacini. p970 13 Nov 1987.
- Mendillo, M.; Baumgardner, J.; Allen, D. P.; Foster, J.; Holt, J.; Ellis, G. R. A.; Klekociuk, A.; Reber, G.: Spacelab-2 plasma depletion experiments for ionospheric and radio astronomical studies. p1260 27 Nov 1987.
- Menkart, John: The federal deficit (letter). p1495 11 Dec 1987.
- Menyuk, Paula: review of *What the Hands Reveal about the Brain*, by Howard Poizner, Edward S. Klima, and Ursula Bellugi. p833 6 Nov 1987.
- Meredith, L. H.: NRC report on the space station (letter). p877 13 Nov 1987.
- Merlino, Glenn T. *See* Velu, Thierry J.
- Messing, Albee. *See* Ornitz, David M.
- Meyer, Edwin M. *See* Arendash, Gary W.
- Meyers, Richard H. *See* Gilliam, T. Conrad.
- Michaels, James N. *See* zur Loye, Hans-Conrad.
- Michel, F. Curtis; Kennel, C. F.; Fowler, William A.: When will a pulsar in supernova 1987a be seen? p938 13 Nov 1987.
- Michelangeli, Valdo P. *See* Kemp, Bruce E.
- Milbrandt, Jeffrey: A nerve growth factor-induced gene encodes a possible transcriptional regulatory factor. p797 6 Nov 1987.
- Miles, Edward L.; Hollister, Charles D.; Heath, G. Ross: Subseabed waste disposal (letter). p1449 9 Oct 1987.
- Milhous, Wilbur K. *See* Krogstand, Donald J.
- Millard, William J. *See* Arendash, Gary W.
- Miller, George H.; Brown, Paul S.; Nordyke, Milo D.: Facing nuclear reality. p455 23 Oct 1987.
- Miller, Henry L.: *See* Young, Frank E.
- Mishima, Osamu; Tanaka, Junzo; Yamaoka, Shinobu; Fukunaga, Osamu: High-temperature cubic boron nitride P-N junction diode made at high pressure. p181 9 Oct 1987.
- Miyamoto, Michael M.; Slichtom, Jerry L.; Goodman, Morris: Phylogenetic relations of humans and African apes from DNA sequences in the  $\psi\eta$ -globin region. p369 16 Oct 1987.
- Mobtaker, Hamid. *See* Segerson, Thomas P.
- Modesti, Andrea. *See* Manzari, Vittorio.
- Molina, Luisa T. *See* Molina, Mario J.
- Molina, Mario J.; Tso, Tai-Ly; Molina, Luisa T.; Wang, Frank C.-Y.: Antarctic stratospheric chemistry of chlorine nitrate, hydrogen chloride, and ice: release of active chlorine. p1253 27 Nov 1987.
- Monaco, Anthony P. *See* Hoffman, Eric P.
- Mood, Alexander M.: NRC report on the space station (letter). p877 13 Nov 1987.
- Mooney, Harold A.; Vitousek, Peter M.; Matson, Pamela A.: Exchange of materials between ter-

restrial ecosystems and the atmosphere. p926 13 Nov 1987.

Moore, P. B. *See* Capel, M. S.

Morgan, John G. *See* Chodosh, Lewis A. *See also* Courtois, Gilles.

Morris, Glenn K. *See* Belwood, Jacqueline J.

Morris, T. Jack. *See* Kirkpatrick, Bruce C.

Morrison, David: "Science-active" colleges (letter). p598 30 Oct 1987.

Morrison, Elizabeth D. *See* Rollins, Barrett J.

Morrison, Richard S.; Kornblum, Harley I.; Leslie, Frances M.; Bradshaw, Ralph A.: Trophic stimulation of cultured neurons from neonatal rat brain by epidermal growth factor. p72 2 Oct 1987.

Morrone, Stefania. *See* Manzari, Vittorio.

Moscat, Jorge. *See* Lacal, Juan Carlos.

Moseley, Jane M. *See* Kemp, Bruce E.

Moser, Heinz E. and Dervan, Peter B.: Sequence-specific cleavage of double helical DNA by triple helix formation. p645 30 Oct 1987.

Mount, Van S. *See* Zoback, Mark D.

Mowry, Kimberly L. and Steitz, Joan A.: Identification of the human U7 snRNP as one of several factors involved in the 3' end maturation of histone pre-messenger RNA's. p1682 18 Dec 1987.

Mueller-Dombois, Dieter. *See* Vitousek, Peter M.

Myers, Richard H. *See* St George-Hyslop, Peter H.

## N

Nakamura, Y. *See* Leppert, M.

Nee, Linda. *See* St George-Hyslop, Peter H.

Nelles, L. *See* Holmes, W. E.

Nelson, Christopher A. *See* Chou, Hubert S.

Nelson, David D.; Fraser, Gerald T.; Klemperer, William: Does ammonia hydrogen bond? p1670 18 Dec 1987.

Neve, Rachael L. *See* St George-Hyslop, Peter H.

*See also* Tanzi, Rudolph E.

Nieuwenhuis, H. K. *See* Holmes, W. E.

Nilson, David G. *See* Trebes, James E.

Nisbett, Richard E.; Fong, Geoffrey T.; Lehman, Darrin R.; Cheng, Patricia W.: Teaching reasoning. p625 30 Oct 1987.

Nishida, Junji. *See* Hirai, Hisamaru.

Nishimura, Tetsuji. *See* Bohmann, Dirk.

Nordstrand, E. A. *See* Walker, D. A.

Nordyke, Milo D. *See* Miller, George H.

Norman, Colin (news): APS panel disowns council statement. p155 9 Oct 1987. NATO ponders its nuclear options. p1498 11 Dec 1987. Outline of a defense budget. p1225 27 Nov 1987. SDI experts clash on nuclear satellites. p883 13 Nov 1987. Showdown nears on ABM treaty. p147 9 Oct 1987. (letter): Peer review at the Agricultural Research Service. p448 23 Oct 1987.

Nottebohm, Fernando and Williams, Heather: Do 15 million cat neurons mediate the memory of a circle and a star? (technical comment). p1586 11 Dec 1987.

Novotny, Jiri; Brucolieri, Robert E.; Carlson, William D.; Handschumacher, Mark; Haber, Edgar: Antigenicity of myohemerythrin (technical comment). p1584 11 Dec 1987.

Nussenzveig, D. *See* Maack, Thomas.

Nussenzweig, Victor. *See* Caras, Ingrid W. *See also* Davitz, Michael A.

Nüsslein-Volhard, Christine; Frohnhofer, Hans Georg; Lehmann, Ruth: Determination of anteroposterior polarity in *Drosophila*. p1675 18 Dec 1987.

Nutt, Ruth F. *See* Horiuchi, Noboru.

Nyerges, A. Endre: Development of the Guinea savanna (letter). p1637 18 Dec 1987.

## O

O'Connel, P. *See* Leppert, M.

O'Mara, Shane M.: Another cognitive psychology (letter). p598 30 Oct 1987.

O'Sullivan, Dianne. *See* St George-Hyslop, Peter H.

Oduola, Ayoade M. J. *See* Krogstand, Donald J.

Okazaki, Kenji. *See* Akira, Shizuo.

Olson, Eric N. *See* Wilcox, Celeste.

Olson, Robert E.: Cholesterol guidelines (letter). p1635 18 Dec 1987.

Omary, M. Bishr and Kagnoff, Martin F.: Identification of nuclear receptors for VIP on a human colonic adenocarcinoma cell line. p1578 11 Dec 1987.

Ono, K. *See* John, E. Roy.

Oppenheimer, David. *See* Zoback, Mark D.

Ordoval, J. M. *See* Prioli, R. P.

Ornitz, David M.; Hammer, Robert E.; Messing, Albee; Palmiter, Richard D.; Brinster, Ralph L.: Pancreatic neoplasia induced by SV40 T-antigen expression in acinar cells of transgenic mice. p188 9 Oct 1987.

Oron, Yoram; Straub, Richard E.; Traktman, Paula; Gershengorn, Marvin C.: Decreased TRH receptor mRNA activity precedes homologous downregulation: assay in oocytes. p1406 4 Dec 1987.

Ott, Edward. *See* Grebogi, Celso.

Ouma, J. H. *See* Capron, André.

## P

Paine, Christopher E. *See* Feiveson, Harold A.

Paisley, Thomas. *See* Wu, Carl.

Palmer, A. Richard: Mitochondrial DNA in sperm (letter). p1217 27 Nov 1987.

Palmiter, Richard D. *See* Ornitz, David M.

Pantalone, Dominique. *See* Korn, Edward D.

Parker, Robert. *See* Zumberge, Mark.

Parks, George A. *See* Hayes, Kim F.

Pastan, Ira. *See* Velu, Thierry J.

Paulson, Henry L. *See* Claudio, Toni.

Peffer, Nancy. *See* Siekevitz, Miriam.

Peralta, Ernest G. *See* Ashkenazi, Avi.

Pereira, M. E. A. *See* Prioli, R. P.

Perlmuter, Roger M. *See* Schroeder, Harry W., Jr.

Perrin, Charles L. and Gipe, Robert K.: Rotation and solvation of ammonium ion. p1393 4 Dec 1987.

Peschke, Virginia M.; Phillips, Ronald L.; Genenbach, Burle G.: Discovery of transposable element activity among progeny of tissue culture-derived maize plants. p804 6 Nov 1987.

Peters, D. C. *See* Gray, J. W.

Peterson, Gary L. *See* Ashkenazi, Avi.

Peterson, Jane L. *See* Cassatt, James C.

Pfahl, Magnus. *See* Benbrook, Doris.

Pfannmüller, B. *See* Hinrichs, W.

Phillips, J. C. *See* Prewitt, C. T.

Phillips, Ronald L. *See* Peschke, Virginia M.

Piazza, George: Agricultural R&D (letter). p1493 11 Dec 1987.

Pieper, D. H. *See* Rojo, F.

Pierschbacher, Michael D. *See* Ruoslahti, Erkki.

Pigram, C. J. *See* Davies, P. J.

Plotsky, Paul. *See* Sapolsky, Robert.

Podlisny, Marcia Berman; Lee, Gloria; Selkoe, Dennis: Gene dosage of the amyloid  $\beta$  precursor protein in Alzheimer's disease. p669 30 Oct 1987.

Pohl, Thomas M. *See* Gilliam, T. Conrad.

Polinsky, Ronald J. *See* St George-Hyslop, Peter H.

Pollen, Daniel. *See* St George-Hyslop, Peter H.

Potter, Van Rensselaer: The cognitive uncon-

scious (letter). p1638 18 Dec 1987.

Powell, Marie Louise. *See* Dunn, Adrian J.

Prewitt, C. T.; Coppens, P.; Phillips, J. C.; Finger, L. W.: New opportunities in synchrotron x-ray crystallography. p312 16 Oct 1987.

Price, Daniel J. *See* Grove, J. Russell.

Price, James F.; Weller, Robert A.; Schudlich, Rebecca R.: Wind-driven ocean currents and Ekman transport. p1534 11 Dec 1987.

Primack, Richard B.: review of *Plant Ecology*, edited by Michael J. Crawley. p556 23 Oct 1987.

Prinn, R.; Cunnold, D.; Rasmussen, R.; Simmonds, P.; Alyea, F.; Crawford, A.; Fraser, P.; Rosen, R.: Atmospheric trends in methylchloroform and the global average for the hydroxyl radical. p945 13 Nov 1987.

Prioli, R. P.; Ordoval, J. M.; Rosenberg, I.; Schaefer, E. J.; Pereira, M. E. A.: Similarity of cruzin, an inhibitor of *Trypanosoma cruzi* neuraminidase, to high-density lipoprotein. p1417 4 Dec 1987.

Privé, Gilbert G.; Heinemann, Udo; Chandrasegaran, Srinivasan; Kan, Lou-Sing; Kopka, Mary L.; Dickerson, Richard E.: Helix geometry, hydration, and G-A mismatch in a B-DNA decamer. p498 23 Oct 1987.

Prober, James M.; Trainor, George L.; Dam, Rudy J.; Hobbs, Frank W.; Robertson, Charles W.; Zagursky, Robert J.; Cocuzza, Anthony J.; Jensen, Mark A.; Baumester, Kirk: A system for rapid DNA sequencing with fluorescent chain-terminating dideoxynucleotides. p336 16 Oct 1987.

Prokopy, Ronald J.: review of *Ecological Theory and Integrated Pest Management Practice*, edited by Marcos Kogan. p410 16 Oct 1987.

Purcell, Alexander H. *See* Kirkpatrick, Bruce C.

\_\_\_\_ and Lindow, Steven E.: review of *Diseases and Plant Population Biology*, edited by Jeremy J. Burdon. p221 9 Oct 1987.

Purves, Dale; Voyvodic, James T.; Magrassi, Lorenzo; Yawo, Hiromu: Nerve terminal remodeling visualized in living mice by repeated examination of the same neuron. p1122 20 Nov 1987.

Putt, M. *See* Rivkin, R. B.

Pyke, Graham H.: review of *Foraging Theory*, by David W. Stephens and John R. Krebs. p831 6 Nov 1987.

## R

Raisz, Lawrence G. *See* Kemp, Bruce E.

Rajewsky, Klaus; Förster, Irmgard; Cumano, Ana: Evolutionary and somatic selection of the antibody repertoire in the mouse. p1088 20 Nov 1987.

Raleigh, C. Barry. *See* Zoback, Mark D.

Ramachandran, Janakiraman. *See* Ashkenazi, Avi.

Ramakrishnan, V. *See* Capel, M. S.

Rashkis, Harold A.: The federal deficit (letter). p1495 11 Dec 1987.

Rasmussen, R. *See* Prinn, R.

Räsänen, Matti E.; Salo, Jukka S.; Kalliola, Risto J.: Fluvial perturbation in the western Amazon basin: regulation by long-term sub-Andean tectonics. p1398 4 Dec 1987.

Raven, Peter B.: Sports medicine (letter). p732 6 Nov 1987.

Rawley, L. A.; Taylor, J. H.; Davis, M. M.; Allan, D. W.: Millisecond pulsar PSR 1937+21: a highly stable clock. p761 6 Nov 1987.

Reagan, Jane E. *See* Horiuchi, Noboru.

Reasenberg, Paul. *See* Zoback, Mark D.

Reber, G. *See* Mendillo, M.

Reeves, John P. *See* Yatani, Atsuko.

Regan, J. W. *See* Kobilka, B. K.

Regnier, Fred E.: The role of protein structure in chromatographic behavior. p319 16 Oct 1987.

Reiss, Howard: Gas-phase polymerization: ultra-slow chemistry. p1368 4 Dec 1987.

Reverby, Susan: review of *Brought to Bed*, by Judith Walzer Leavitt. p556 23 Oct 1987.

Reynaud, Claude-Agnès. *See* Weill, Jean-Claude.

Reynolds, Glenn Harlan: Mars mission (letter). p1341 4 Dec 1987.

Reynolds, Lawrence P.: Agricultural R&D (letter). p1494 11 Dec 1987.

Ribak, Charles E.: Epilepsy hypothesis (technical comment). p1292 27 Nov 1987.

Richardson, Gladys A. *See* Selker, Eric U.

Richter, Klaus; Egger, Richard; Kreil, Günther: D-Alanine in the frog skin peptide dermorphin is derived from L-alanine in the precursor. p200 9 Oct 1987.

Rickert, Neil W.: Mathematics education (letter). p447 23 Oct 1987.

Rider, Robin E.: review of *Women of Mathematics*, edited by Louise S. Grinstein and Paul J. Campbell. p1153 20 Nov 1987.

Riederer, Beat M. *See* Weisenberg, Richard C.

Rijken, D. C. *See* Holmes, W. E.

Riser, Bruce L. *See* Ginsburg, Isaac.

Rivier, Catherine. *See* Sapsky, Robert.

Rivkin, R. B. and Putt, M.: Diel periodicity of photosynthesis in polar phytoplankton: influence on primary production. p1285 27 Nov 1987.

Roberts, Leslie (news): Atomic bomb doses reassessed. p1649 18 Dec 1987. Coral bleaching threatens Atlantic reefs. p1228 27 Nov 1987. Flap arises over genetic map. p750 6 Nov 1987. Measuring cholesterol is as tricky as lowering it. p482 23 Oct 1987. New sequencers to take on the genome. p271 16 Oct 1987. Radiation accident grips Goiânia. p1028 20 Nov 1987.

Robertson, Charles W. *See* Prober, James M.

Robey, Frank A. *See* Iwamoto, Yukihide.

Robinson, Arthur L. (news): Chemical coat helps semiconductor prospects. p27 2 Oct 1987.

Rodda, Christine P. *See* Kemp, Bruce E.

Rodda, Stuart J. *See* Geysen, H. Mario.

Rodin, Judith: Human control (letter). p261 16 Oct 1987.

Rodman, Sevgi B. *See* Horiuchi, Noboru.

Roe, A. Lawrence. *See* Hayes, Kim F.

Rojo, F.; Pieper, D. H.; Engesser, K.-H.; Knackmuss, H.-J.; Timmis, K. N.: Assemblage of ortho cleavage route for simultaneous degradation of chloro- and methylic aromatics. p1395 4 Dec 1987.

Rollins, Barrett J.; Morrison, Elizabeth D.; Stiles, Charles D.: A cell-cycle constraint on the regulation of gene expression by platelet-derived growth factor. p1269 27 Nov 1987.

Rose, D. F.; Smith, P. D.; Sato, S.: Magnetoencephalography and epilepsy research. p329 16 Oct 1987.

Rosen, David. *See* Bradburn, Norman M.

Rosen, R. *See* Prinn, R.

Rosenberg, I. *See* Prioli, R. P.

Rosenblatt, Michael. *See* Horiuchi, Noboru.

Rossant, Janet. *See* Breitman, Martin L.

Rosseneu, Maryvonne. *See* Chen, San-Hwan.

Rossi, Michel J. *See* Tolbert, Margaret A.

Roth, Dana L.: Journal price increases (letter). p597 30 Oct 1987.

Rothman, S. *See* Howells, M.

Rouault, Tracey A. *See* Hentze, Matthias.

Roy, Rustum: Ceramics by the solution-sol-gel route. p1664 18 Dec 1987.

Ruosahti, Erkki and Pierschbacher, Michael D.: New perspectives in cell adhesion: RGD and integrins. p491 23 Oct 1987.

## S

Sachs, Leo: The molecular control of blood cell development. p1374 4 Dec 1987.

Saenger, W. *See* Hinrichs, W.

Sakano, Hitoshi. *See* Akira, Shizuo.

Salemme, F. R. *See* Wendoloski, J. J.

Salo, Jukka S. *See* Räsänen, Matti E.

Sanchez, Pedro A. and Benites, Jose R.: Low-input cropping for acid soils of the humid tropics. p1521 11 Dec 1987.

Santoni, Angela. *See* Manzari, Vittorio.

Sapsky, Robert; Rivier, Catherine; Yamamoto, Gayle; Plotksy, Paul; Vale, Wylie: Interleukin-1 stimulates the secretion of hypothalamic corticotropin-releasing factor. p522 23 Oct 1987.

Sasaki, Makoto. *See* Iwamoto, Yukihide.

Sato, S. *See* Rose, D. F.

Sawyer, S. R.; Barker, E. S.; Cochran, A. L.; Cochran, W. D.: Spectrophotometry of Pluto-Charon mutual events: individual spectra of Pluto and Charon. p1560 11 Dec 1987.

Scambler, P. *See* Leppert, M.

Scarborough, Robert M. *See* Maack, Thomas.

Schaefer, E. J. *See* Prioli, R. P.

Schimerlik, Michael I. *See* Ashkenazi, Avi.

Schindler, D. G. *See* Capel, M. S.

Schlesinger, Paul H. *See* Krogstand, Donald J.

Schmid, Rudolf: Gametophytes, not endosperms (letter). p1341 4 Dec 1987.

Schmidt, Robert J.; Burr, Frances A.; Burr, Benjamin: Transposon tagging and molecular analysis of the maize regulatory locus *opaque-2*. p960 13 Nov 1987.

Schneider, D. K. *See* Capel, M. S.

Schneider, Nicholas M.; Hunten, Donald M.; Wells, William K.; Trafton, Laurence M.: Eclipse measurements of Io's sodium atmosphere. p55 2 Oct 1987.

Schoenborn, B. P. *See* Capel, M. S.

Schofield, Timothy L. *See* Horiuchi, Noboru.

Schroeder, Harry W., Jr.; Hillson, Jan L.; Perlmutter, Roger M.: Early restriction of the human antibody repertoire. p791 6 Nov 1987.

Schudlich, Rebecca R. *See* Price, James F.

Schultz, P. G. *See* Corey, D. R.

Schwartz, Eric A.: Depolarization without calcium can release  $\gamma$ -aminobutyric acid from a retinal neuron. p350 16 Oct 1987.

Scotti, Oona. *See* Zoback, Mark D.

Sedat, John W. *See* Hiraoka, Yasushi.

Segerstrom, Thomas P.; Kauer, John; Wolfe, Hubert C.; Mobtaker, Hamid; Wu, Ping; Jackson, Ivor M. D.; Lechan, Ronald M.: Thyroid hormone regulates TRH biosynthesis in the paraventricular nucleus of the rat hypothalamus. p78 2 Oct 1987.

Segerstråle, Ullica: review of *Scientific Controversies*, edited by H. Tristram Englehardt, Jr., and Arthur L. Caplan. p1296 27 Nov 1987.

Segmüller, Armin. *See* Chaudhari, P.

Selker, Eric U.; Jensen, Bryan C.; Richardson, Gladys A.: A portable signal causing faithful DNA methylation de novo in *Neurospora crassa*. p48 2 Oct 1987.

Selkoe, Dennis. *See* Podlisny, Marcia Berman.

Shak, Steve. *See* Davitz, Michael A.

Shapiro, Deane H., Jr.; Evans, Gary W.; Shapiro, Johanna: Human control (letter). p260 16 Oct 1987.

Shapiro, Johanna. *See* Shapiro, Deane H., Jr.

Shapley, Robert: review of *The Retina*, by John E. Dowling. p1741 18 Dec 1987.

Sharon, Michael. *See* Siegel, Jay P.

Sharp, Phillip A. *See* Chodosh, Lewis A. — and Eisenberg, David: The evolution of catalytic function. p729 6 Nov 1987.

Shetler, Stanwyn G.: Big league botany (letter). p1027 20 Nov 1987.

Shih, Charles C-Y. and Truitt, Robert L.: Downregulation of L3T4<sup>+</sup> cytotoxic T lymphocytes by interleukin-2. p344 16 Oct 1987.

Shine, R. A.; Title, A. M.; Tarbell, T. D.; Topka, K. P.: White light sunspot observations from the solar optical universal polarimeter on Spacelab-2. p1264 27 Nov 1987.

Siegel, Jay P.; Sharon, Michael; Smith, Paula L.; Leonard, Warren J.: The IL-2 receptor  $\beta$  chain (p70): role in mediating signals for LAK, NK, and proliferative activities. p75 2 Oct 1987.

Siekevitz, Miriam; Josephs, Steven F.; Dukovich, Mitchell; Peffer, Nancy; Wong-Staal, Flossie; Greene, Warner C.: Activation of the HIV-1 LTR by T cell mitogens and the trans-activator protein of HTLV-1. p1575 11 Dec 1987.

Siemens, David F., Jr.: AIDS transmission and insects (letter). p143 9 Oct 1987.

Sigworth, F. J. *See* Claudio, Toni.

Silberman, Steven R. *See* Chen, San-Hwan.

Sillers, I.-Y. *See* Capel, M. S.

Silver, Ernest G.: TMI and Chernobyl (letter). p144 9 Oct 1987.

Simmonds, P. *See* Prinn, R.

Simmons, Hollis A. *See* Kemp, Bruce E.

Simmons, Thomas W.: Overdue movie (letter). p598 30 Oct 1987.

Simon, Melvin I. *See* Sluka, James P.

Sinc, Steven M. *See* Claudio, Toni.

Singer, S. Fred: Interpretation of the ABM treaty (letter). p1215 27 Nov 1987.

Singer, Wolf. *See* Kleinschmidt, Andreas.

Skee, Frank. *See* Weisenberg, Richard C.

Slightom, Jerry L. *See* Miyamoto, Michael M.

Sloviter, Robert S.: Epilepsy hypothesis (technical comment). p1292 27 Nov 1987.

Sluka, James P.; Horvath, Suzanna J.; Bruist, Michael F.; Simon, Melvin I.; Dervan, Peter B.: Synthesis of a sequence-specific DNA-cleaving peptide. p1129 20 Nov 1987.

Smallridge, Robert C. *See* Bernton, Edward W.

Smith, B. K. *See* Allen, F. M.

Smith, Douglas H.; Byrn, Randal A.; Marsters, Scot A.; Gregory, Timothy; Groopman, Jerome E.; Capon, Daniel J.: Blocking of HIV-1 infectivity by a soluble, secreted form of the CD4 antigen. p1704 18 Dec 1987.

Smith, P. D. *See* Rose, D. F.

Smith, Paula L. *See* Siegel, Jay P.

Snyder, Lewis E. *See* Barrett, Alan H.

Socker, Dennis G. *See* Dere, Kenneth P.

Sogin, M. L. *See* Gunderson, J. H.

Spencer, Kevin C.: Manned Mars expedition (letter). p732 6 Nov 1987.

Sperling, George. *See* Weichselgartner, Erich.

St George-Hyslop, Peter H.; Tanzi, Rudolph E.; Polinsky, Ronald J.; Neve, Rachael L.; Pollen, Daniel; Drachman, David; Growdon, John; Cupples, L. Adrienne; Nee, Linda; Myers, Richard H.; O'Sullivan, Dianne; Watkins, Paul C.; Amos, Jean A.; Deutsch, Curtis K.; Bodfish, James W.; Kinsbourne, Marcel; Feldman, Robert G.; Bruni, Amalia; Amaducci, Luigi; Foncin, Jean-François; Gusella, James: Absence of duplication of chromosome 21 genes in familial and sporadic Alzheimer's disease. p664 30 Oct 1987.

Stacy, Angelica M. *See* zur Lye, Hans-Conrad.

Stanford, L. R.: Conduction velocity variations minimize conduction time differences among retinal ganglion cell axons. p358 16 Oct 1987.

Stapleton, David. *See* Kemp, Bruce E.

Stauffer, D. *See* Leppert, M.

Steen, James D., Jr.: Mathematics education (letter). p447 23 Oct 1987.

Steifa, M. *See* Hinrichs, W.

- Stein, Lynn Arthur: Mathematics education (letter). p447 23 Oct 1987.
- Steinhardt, Paul J.: Icosahedral solids: a new phase of matter? p1242 27 Nov 1987.
- Steitz, Joan A. *See* Mowry, Kimberly L.
- Stenger, Drake C. *See* Kirkpatrick, Bruce C.
- Sterrer, Wolfgang E.: Confused musician (letter). p1497 11 Dec 1987.
- Steward, Ruth: *Dorsal*, an embryonic polarity gene in *Drosophila*, is homologous to the vertebrate proto-oncogene, *c-rel*. p692 30 Oct 1987.
- Stigler, Stephen M. and Wagner, Melissa J.: A substantial bias in nonparametric tests for periodicity in geophysical data. p940 13 Nov 1987.
- Stiles, Charles D. *See* Rollins, Barrett J.
- Stone, Gary F. *See* Trebes, James E.
- Straub, Richard E. *See* Oron, Yoram.
- Südhof, Thomas C.; Lottspeich, Friedrich; Greengard, Paul; Mehl, Ehrenfried; Jahn, Reinhard: A synaptic vesicle protein with a novel cytoplasmic domain and four transmembrane regions. p1142 20 Nov 1987.
- Sun, Marjorie (news): China renews pledge to boost basic research. p749 6 Nov 1987. EPA's predicament over regulating pesticides. p20 2 Oct 1987. Japan's inscrutable research budget. p22 2 Oct 1987. MIT drops plan to buy Japanese supercomputer. p1349 4 Dec 1987. New data clinch heart drug approval. p1031 20 Nov 1987. UC told to review impact of research. p1221 27 Nov 1987.
- Suppe, John. *See* Zoback, Mark D.
- Sutton, George W.: The federal deficit (letter). p1496 11 Dec 1987.
- Suzuki, Muneya. *See* Maack, Thomas.
- Swanson, Joel A. and McNeil, Paul L.: Nuclear reassembly excludes large macromolecules. p548 23 Oct 1987.
- Swedlund, Anne. *See* Claudio, Toni.
- Symonds, P. A. *See* Davies, P. J.
- Szent-Györgyi, Andrew G.: review of *Calcium in Muscle Activation*, edited by Johann Caspar Rüegg. p223 9 Oct 1987.
- ## T
- Tainer, John A. *See* Geysen, H. Mario.
- Takaku, Fumimaro. *See* Hirai, Hisamaru.
- Tanaka, Junzo. *See* Mishima, Osamu.
- Tang, Y. *See* John, E. Roy.
- Tanzi, Rudolph E. *See* St George-Hyslop, Peter H.
- ; Bird, Edward D.; Latt, Samuel A.; Neve, Rachael L.: The amyloid  $\beta$  protein gene is not duplicated in brains from patients with Alzheimer's disease. p666 30 Oct 1987.
- Tarbell, T. D. *See* Shine, R. A.
- Taylor, J. H. *See* Rawley, L. A.
- Teply, Ivana. *See* Zubenko, George S.
- Terebey, S. *See* Welch, Wm. J.
- Theillet, Charles. *See* Ali, Iqbal Unnisa.
- Thompson, Richard F.: The cerebellum and memory storage (technical comment). p1729 18 Dec 1987.
- Thurow, Lester C.: A weakness in process technology. p1659 18 Dec 1987.
- Tilders, Fred. *See* Berkenbosch, Frank.
- Till, Mark. *See* Vitetta, Ellen S.
- Timmis, K. N. *See* Rojo, F.
- Title, A. M. *See* Shine, R. A.
- Tjian, Robert. *See* Bohmann, Dirk.
- Tolbert, Margaret A.; Rossi, Michel J.; Malhotra, Ripudaman; Golden, David M.: Reaction of chlorine nitrate with hydrogen chloride and water at Antarctic stratospheric temperatures. p1258 27 Nov 1987.
- Tomic, Milan T.; Wemmer, David E.; Kim, Sung-Hou: Structure of a psoralen cross-linked DNA in solution by nuclear magnetic resonance. p1722 18 Dec 1987.
- Topka, K. P. *See* Shine, R. A.
- Townes, Charles E. *See* Barrett, Alan H.
- Trafton, Laurence M. *See* Schneider, Nicholas M.
- Trahey, Meg and McCormick, Frank: A cytoplasmic protein stimulates normal N-ras p21 GTPase, but does not affect oncogenic mutants. p542 23 Oct 1987.
- Trainor, George L. *See* Prober, James M.
- Trakhtman, Paula. *See* Oron, Yoram.
- Trask, B. J. *See* Gray, J. W.
- Trebes, James E.; Brown, Steven B.; Campbell, E. Michael; Matthews, Dennis L.; Nilson, David G.; Stone, Gary F.; Whelan, David A.: Demonstration of x-ray holography with an x-ray laser. p517 23 Oct 1987.
- Trivelpiece, Alvin W.: Soviet science and technology at the Boston Meeting (editorial). p1631 18 Dec 1987.
- Truit, Robert L. *See* Shih, Charles C-Y.
- Tso, Tai-Ly. *See* Molina, Mario J.
- Tsui, Lap-Chee. *See* Breitman, Martin L.
- ## U-W
- Ueda, Hitoshi. *See* Wu, Carl.
- Uhr, Jonathan W. *See* Vitetta, Ellen S.
- Underwood, J. H.; Bruner, M. E.; Haisch, B. M.; Brown, W. A.; Acton, L. W.: X-ray photographs of a solar active region with a multilayer telescope at normal incidence. p61 2 Oct 1987.
- Ure, Fiona. *See* Kemp, Bruce E.
- Vale, Wylie. *See* Sapolsky, Robert.
- van den Engh, G. J. *See* Gray, J. W.
- Van Dilla, M. A. *See* Gray, J. W.
- van Oers, Joep. *See* Berkenbosch, Frank.
- Varani, James. *See* Ginsburg, Isaac.
- Varmus, Harold E.: Oncogenes and transcriptional control. p1337 4 Dec 1987.
- Vass, William C. *See* Veliu, Thierry J.
- Veliu, Thierry J.; Beguinot, Laura; Vass, William C.; Willingham, Mark C.; Merlino, Glenn T.; Pastan, Ira; Lowy, Douglas R.: Epidermal growth factor-dependent transformation by a human EGF receptor proto-oncogene. p1408 4 Dec 1987.
- Venrick, E. L.; McGowan, J. A.; Cayan, D. R.; Hayward, T. L.: Climate and chlorophyll a: long-term trends in the central North Pacific Ocean. p70 2 Oct 1987.
- Verdoorn, Todd A.; Kleckner, Nancy W.; Dingledine, Raymond: Rat brain N-methyl-D-aspartate receptors expressed in *Xenopus* oocytes. p1114 20 Nov 1987.
- Vetter, R. D. *See* Brooks, James M.
- Vicente, V. *See* Williams, E. H., Jr.
- Vitetta, Ellen S.; Fulton, R. Jerrold; May, Richard D.; Till, Mark; Uhr, Jonathan W.: Redesigning nature's poisons to create anti-tumor reagents. p1098 20 Nov 1987.
- Vitousek, Peter M. *See* Mooney, Harold A.
- ; Walker, Lawrence R.; Whiteaker, Louis D.; Mueller-Dombois, Dieter; Matson, Pamela A.: Biological invasion by *Myrica faya* alters ecosystem development in Hawaii. p802 6 Nov 1987.
- Vogel, S. N. *See* Welch, Wm. J.
- Vogelstein, Bert. *See* Fearon, Eric R.
- Vogt, Peter K. *See* Bohmann, Dirk.
- Volkmann, Ernest W.: More on chemical carcinogenesis (letter). p1493 11 Dec 1987.
- von Hippel, Frank. *See* Feiveson, Harold A.
- Voyvodic, James T. *See* Purves, Dale.
- Wade, Michael J.: review of *Evolutionary Genetics of Invertebrate Behavior*, edited by Milton Davis Heuttel. p1741 18 Dec 1987.
- Wagner, Melissa J. *See* Stigler, Stephen M.
- Wainwright, Sam C.: Stimulation of heterotrophic microplankton production by resuspended marine sediments. p1710 18 Dec 1987.
- Wake, David B. and Larson, Allan: Multidimensional analysis of an evolving lineage. p42 2 Oct 1987.
- Waldrop, M. Mitchell (news): Computers amplify Black Monday. p602 30 Oct 1987. The giant arcs are gravitational mirages. p1351 4 Dec 1987. The large-scale structure of the universe gets larger—maybe. p894 13 Nov 1987. The 1987 Nobel Prize for physics. p481 23 Oct 1987. Superconductor's critical current at a new high. p1655 18 Dec 1987. Supernova 1987A on center stage. p1038 20 Nov 1987.
- Walker, Barbara. *See* Wu, Carl.
- Walker, D. A.; Webber, P. J.; Binnian, E. F.; Everett, K. R.; Lederer, N. D.; Nordstrand, E. A.; Walker, M. D.: Cumulative impacts of oil fields on northern Alaskan landscapes. p757 6 Nov 1987.
- Walker, Lawrence R. *See* Vitousek, Peter M.
- Walker, M. D. *See* Walker, D. A.
- Walsh, John (news): Adapting to pork-barrel science. p1639 18 Dec 1987. Applicants deluge NSF. p1506 11 Dec 1987. Busy signal at NSF. p23 2 Oct 1987. Geographical limit on research funds in bill seen as swipe at peer review. p1506 11 Dec 1987. Indo-U.S. vaccine pact disputed. p19 2 Oct 1987. Merck donates drug for river blindness. p610 30 Oct 1987. New look at health in developing nations. p746 6 Nov 1987. NSF lends a hand with DOD award. p748 6 Nov 1987. Progress report on NSF. p477 23 Oct 1987. Spotlight brighter on minorities in science. p265 16 Oct 1987. Uncertainties over University of Chile. p1037 20 Nov 1987. Why is calculus such a hurdle? p749 6 Nov 1987.
- Wang, Frank C.-Y. *See* Molina, Mario J.
- Wardle, D. I. *See* Evans, W. E. J.
- Wasmuth, John J. *See* Gilliam, T. Conrad. *See also* Leppert, M.
- Waters, A. P. *See* Gunderson, J. H.
- Watkins, Paul C. *See* St George-Hyslop, Peter H.
- Webber, Patrick J. *See* Walker, D. A. *See also* Weller, Gunter.
- Weber, P. C. *See* Wendoloski, J. J.
- Weddell, Gregory N. *See* Caras, Ingrid W.
- Weekes, T. C. *See* Lamb, R. C.
- Wechselgartner, Erich and Sperling, George: Dynamics of automatic and controlled visual attention. p778 6 Nov 1987.
- Weill, Jean-Claude and Reynaud, Claude-Agnès: The chicken B cell compartment. p1094 20 Nov 1987.
- Weisenberg, Richard C.; Flynn, James; Gao, Bao-chong; Awodi, Shuaibu; Skee, Frank; Goodman, Steven R.; Riederer, Beat M.: Microtubule gelation-contraction: essential components and relation to slow axonal transport. p1119 20 Nov 1987.
- Weiss, James N. and Lamp, Scott T.: Glycolysis preferentially inhibits ATP-sensitive  $K^+$  channels in isolated guinea pig cardiac myocytes. p67 2 Oct 1987.
- Welch, W. Jack. *See* Barrett, Alan H.
- Welch, Wm. J.; Dreher, J. W.; Jackson, J. M.; Terebey, S.; Vogel, S. N.: Star formation in W49A: gravitational collapse of the molecular cloud core toward a ring of massive stars. p1550 11 Dec 1987.
- Weller, Gunter; Bentley, Charles R.; Elliot, David H.; Lanzerotti, Louis, J.; Webber, Patrick J.: Laboratory Antarctica: research contributions to global problems. p1361 4 Dec 1987.
- Weller, Robert A. *See* Price, James F.

Wells, Robert D. *See* Jaworski, Adam.  
 Wells, William K. *See* Schneider, Nicholas M.  
 Wemmer, David E. *See* Tomic, Milan T.  
 Wendoloski, J. J.; Matthew, James B.; Weber, P. C.; Salemme, F. R.: Molecular dynamics of a cytochrome c-cytochrome b<sub>5</sub> electron transfer complex. p794 6 Nov 1987.  
 Weng, Shi-ai. *See* Chen, San-Hwan.  
 Wentworth, Carl. *See* Zoback, Mark D.  
 Wettenhall, Richard E. H. *See* Kemp, Bruce E.  
 Whaley, William, L. *See* Gilliam, T. Conrad.  
 Whelan, David A. *See* Trebes, James E.  
 White, Marge: Proposals and resolutions invited for 1988 council meeting (AAAS). p87 2 Oct 1987.  
 White, R. *See* Leppert, M.  
 Whiteaker, Louis D. *See* Vitousek, Peter M.  
 Wieczorek, Gerald F. *See* Keefer, David K.  
 Wier, W. G. *See* Barcenas-Ruiz, L.  
 Wilcox, Celeste; Hu, Jing-Shan; Olson, Eric N.: Acylation of proteins with myristic acid occurs cotranslationally. p1275 27 Nov 1987.  
 Williams, E. H., Jr.; Goenaga, C.; Vicente, V.: Mass bleachings on Atlantic coral reefs (letter). p877 13 Nov 1987.  
 Williams, Heather. *See* Nottebohm, Fernando.  
 Williams, Theodore P. *See* Makino, Clint L.  
 Willingham, Mark C. *See* Velu, Thierry J.  
 Wills, Derek: review of *Superuminal Radio Sources*, edited by J. Anton Zensus and Timothy J. Pearson. p1740 18 Dec 1987.  
 Wilson, Amy A.: PREP prepares volume on theories in population/resources/environment (AAAS). p86 2 Oct 1987.  
 Wilson, Raymond C. *See* Keefer, David K.  
 Wilson, Richard: Chernobyl public health effects (letter). p10 2 Oct 1987.  
 Wilson, Susan. *See* Wu, Carl.  
 Winslow, John W. *See* Ashkenazi, Avi.  
 Wolfe, Hubert C. *See* Segerson, Thomas P.  
 Wollett, G. *See* Gunderson, J. H.  
 Wong, Ivan G. *See* Zoback, Mark D.

Wong-Staal, Flossie. *See* Siekevitz, Miriam.  
 Woodward, S. *See* Leppert, M.  
 Wrather, Joan: Scientists and lawyers look at fraud in science (AAAS). p813 6 Nov 1987.  
 Wright, Jim A. *See* Egan, Sean E.  
 Wright, Roderick W.: Arresting vocabulary (letter). p11 2 Oct 1987.  
 Wu, Carl; Wilson, Susan; Walker, Barbara; Dawid, Igor; Paisley, Thomas; Zimarino, Vincenzo; Ueda, Hitoshi: Purification and properties of *Drosophila* heat shock activator protein. p1247 27 Nov 1987.  
 Wu, Ping. *See* Segerson, Thomas P.  
 Wusylko, Michael. *See* Zubenko, George S.

## Y

Yabuki, S. *See* Capel, M. S.  
 Yamada, Yoshihiko. *See* Iwamoto, Yukihide.  
 Yamamoto, Gayle. *See* Sapolsky, Robert.  
 Yamaoka, Shinobu. *See* Mishima, Osamu.  
 Yanagihara, Kazuyoshi. *See* Egan, Sean E.  
 Yancopoulos, George D. *See* Alt, Frederick W.  
 Yang, Chao-Yuh. *See* Chen, San-Hwan.  
 Yang-Feng, T. L. *See* Kobilka, B. K.  
 Yarus, Michael. *See* Curran, James F.  
 Yatani, Atsuko; Codina, Juan; Imoto, Yutaka; Reeves, John P.; Birnbaumer, Lutz; Brown, Arthur M.: A G protein directly regulates mammalian cardiac calcium channels. p1288 27 Nov 1987.  
 Yawo, Hiromu. *See* Purves, Dale.  
 Yorke, James A. *See* Grebogi, Celso.  
 Youle, Richard J. *See* Greenfield, Larry.  
 Young, Frank E. and Miller, Henry I.: Recombinant DNA release: European regulation (letter). p1025 20 Nov 1987.  
 Young, R. *See* John, E. Roy.  
 Young, Richard A.: Color vision and the retinex theory (technical comment). p1712 18 Dec 1987.

Young, Steven H. and Chow, Ida: Quantal release of transmitter is not associated with channel opening on the neuronal membrane. p1731 18 Dec 1987.  
 Yudelevich, Dafna. *See* Zlotogorski, Abraham.  
 Yunis, Adel A. *See* Jimenez, Joaquin J.

## Z

Zabel, V. *See* Hinrichs, W.  
 Zagursky, Robert J. *See* Prober, James M.  
 Zani, Massimo. *See* Manzari, Vittorio.  
 Zatkin, Robert S. *See* Keefer, David K.  
 Zhao, Zhipei: China's population program (letter). p1025 20 Nov 1987.  
 Zigmond, Michael J. *See* Keller, Richard W., Jr.  
 Zimarino, Vincenzo. *See* Wu, Carl.  
 Zimmer, Michael. *See* Gilliam, T. Conrad.  
 Zlotogorski, Abraham and Yudelevich, Dafna: Journal price increases (letter). p597 30 Oct 1987.  
 Zoback, Mark D.; Zoback, Mary Lou; Mount, Van S.; Suppe, John; Eaton, Jerry P.; Healy, John H.; Oppenheimer, David; Reasenberg, Paul; Jones, Lucile; Raleigh, C. Barry; Wong, Ivan G.; Scotti, Oona; Wentworth, Carl: New evidence on the state of stress of the San Andreas fault system. p1105 20 Nov 1987.  
 Zoback, Mary Lou. *See* Zoback, Mark D.  
 Zubenko, George S.; Wusylko, Michael; Cohen, Bruce M.; Boller, Francois; Teply, Ivana: Family study of platelet membrane fluidity in Alzheimer's disease. p539 23 Oct 1987.  
 Zumberge, Mark and Parker, Robert: Newton gravitational constant (letter). p1026 20 Nov 1987.  
 zur Loye, Hans-Conrad; Leary, Kevin J.; Keller, Steven W.; Ham, William K.; Faltens, Tanya A.; Michaels, James N.; Stacy, Angelica M.: Oxygen isotope effect in high-temperature oxide superconductors. p1558 11 Dec 1987.



*"I'm glad you came to me. Visions of ghosts of Christmas past, present and future are clearly delusions based on underlying psychological conflicts."*