
Author Index to Volume 235

January–March 1987

Publisher: William D. Carey

Editor: Daniel E. Koshland, Jr.

Deputy Editors

Philip H. Abelson (*Engineering and Applied Sciences*)

John I. Brauman (*Physical Sciences*)

Editorial Board

Elizabeth E. Bailey
David Baltimore
William F. Brinkman
Philip E. Converse
Joseph L. Goldstein

James D. Idol, Jr.
Leon Knopoff
Seymour Lipset
Oliver E. Nelson
David V. Ragone

David M. Raup
Vera C. Rubin
Larry L. Smarr
Solomon H. Snyder
Robert M. Solow
James D. Watson

Board of Reviewing Editors

John Abelson
Qais Al-Awqati
James P. Allison
Don L. Anderson
Elizabeth H. Blackburn
Floyd E. Bloom
Charles R. Cantor
James H. Clark
Bruce F. Eldridge
Stanley Falkow
Theodore H. Geballe
Roger I. M. Glass
Stephen P. Goff
Robert B. Goldberg
Corey S. Goodman

Stephen J. Gould
Richard M. Held
Gloria Heppner
Eric F. Johnson
Konrad B. Krauskopf
I. Robert Lehman
Karl L. Magleby
Joseph B. Martin
John C. McGiff
Alton Meister
Mortimer Mishkin
Peter Olson
Gordon H. Orians
John S. Pearse
Yeshayau Pocker

Jean Paul Revel
James E. Rothman
Thomas C. Schelling
Ronald H. Schwartz
Stephen M. Schwartz
Otto T. Solbrig
Robert T. N. Tjian
Virginia Trimble
Geerat J. Vermeij
Martin G. Weigert
Harold Weintraub
Irving L. Weissman
George M. Whitesides
Owen N. Witte
William B. Wood

Published by the

American Association for the Advancement of Science

1333 H Street, NW, Washington, DC 20005

Printed in Richmond, Virginia, by The William Byrd Press

Copyright 1987 by the American Association for the Advancement of Science

Author Index to Volume 235

January–March 1987

A

- Abelson, Philip H. (editorials): Export controls of high-technology goods. p1297 13 Mar 1987. Lifelong learning. p521 30 Jan 1987. Managing technology. p265 16 Jan 1987. Materials research. p9 2 Jan 1987. United States trade. p829 20 Feb 1987.
- and Rowe, James W. A new agricultural frontier. p1450 20 Mar 1987.
- Ackerman, T. P. *See* Kasting, J. F.
- Adamchak, Rodney. *See* Karban, Richard.
- Adelman, John P.; Bond, Chris T.; Douglass, James; Herbert, Edward: Two mammalian genes transcribed from opposite strands of the same DNA locus. p1514 20 Mar 1987.
- Agnew, David C. *See* Allen, Allen D.
- Akylas, T. R.: review of *Wave Interactions and Fluid Flows*, by Alex D. D. Craik. p1522 20 Mar 1987.
- Albright, David and Feiveson, Harold: Why recycle plutonium? p1555 27 Mar 1987.
- Albright, Lawrence J. *See* Sherr, Evelyn B.
- Alexander, Hannah. *See* Getzoff, Elizabeth D. *See also* Geysen, H. Mario.
- Alexander, Richard B. *See* Smith, Richard A.
- Ali, Masarrat and Vedeckis, Wayne V.: The glucocorticoid receptor protein binds to transfer RNA. p467 23 Jan 1987.
- Allan, James S. *See* Czeisler, Charles A.
- Allredge, Alice L. and Cohen, Yehuda: Can microscale chemical patches persist in the sea? Microelectrode study of marine snow, fecal pellets. p689 6 Feb 1987.
- Allen, Allen D.; Pitts, Ferris N., Jr.; Allen, Robert E.; Harastzi, Joseph S.; Cohenour, Robert C.; Agnew, David C.: Lake Tahoe mystery disease (letter). p623 6 Feb 1987.
- Allen, Robert E. *See* Allen, Allen D.
- Alliod, C. *See* Barkas, T.
- Altmann, Jeanne: review of *The Chimpanzees of Gombe*, by Jane Goodall. p694 6 Feb 1987.
- Amaducci, Luigi. *See* St George-Hyslop, Peter H.
- Ames, Bruce N. *See* Stocker, Roland.
- Anacker, Robert L. *See* McDonald, Gregory A.
- Anderson, Norman G.: Electrophoresis and large-scale databases (Guide). pG65 27 Feb 1987.
- Anderson, Stephen. *See* Marks, Cara Berman.
- Andron, P. W.: The resonating valence bond state in La_2CuO_4 and superconductivity. p1196 6 Mar 1987.
- Aquilonius, S. M. *See* Fowler, J. S.
- Areen, Judith. *See* Mahowald, Mary B.
- Arnett, C. D. *See* Fowler, J. S.
- Arnold, Edward. *See* Luo, Ming.
- Ashkin, A. and Dziedzic, J. M.: Optical trapping and manipulation of viruses and bacteria. p1517 20 Mar 1987.
- Avignone, F. T., III: The theory of the majoron (letter). p1308 13 Mar 1987.
- Awgulewitsch, Alexander. *See* Utset, Manuel F.
- Azhderian, E. M. *See* Boyle, M. B.
- Baillie, Thomas A. *See* Rettie, Allan E.
- Baily, Martin N.: U.S. management and productivity (letter). p416 23 Jan 1987.
- Baker, F. C. *See* Laufer, H.
- Baker, Thomas C. *See* Phelan, P. Larry.
- Ballivet, M. *See* Barkas, T.
- Barkas, T.; Mauron, A.; Roth, B.; Alliod, C.; Tzartos, S. J.; Ballivet, M.: Mapping the main immunogenic region and toxin-binding site of the nicotinic acetylcholine receptor. p77 2 Jan 1987.
- Barker, Winona G. *See* George, David G.
- Barletta, Cosimo; Pelicci, Pier-Giuseppe; Kenyon, Lawrence C.; Smith, Stephen D.; Dalla-Favera, Riccardo: Relationship between the *c-myc* locus and the 6q- chromosomal aberration in leukemias and lymphomas. p1064 27 Feb 1987.
- Barnes, Deborah M. (news): AIDS commission bills proliferate. p1136 6 Mar 1987. AIDS stresses health care in San Francisco. p964 27 Feb 1987. Biological issues in schizophrenia. p430 23 Jan 1987. Brain damage by AIDS under active study. p1574 27 Mar 1987. Candidate AIDS vaccine. p1575 27 Mar 1987. Defect in Alzheimer's is on chromosome 21. p846 20 Feb 1987. Drug may protect brains of heart attack victims. p632 6 Feb 1987. New database for AIDS research. p634 6 Feb 1987.
- Barr, Philip J. *See* Bathurst, Ian C.
- Bartlett, Paul A. and Marlowe, Charles K.: Evaluation of intrinsic binding energy from a hydrogen bonding group in an enzyme inhibitor. p569 30 Jan 1987.
- Bartlett, R. J.; Pericak-Vance, M. A.; Yamaoka, L.; Gilbert, J.; Herbstreith, M.; Hung, W.-Y.; Lee, J. E.; Mohandas, T.; Bruns, G.; Laberge, C.; Thibault, M.-C.; Ross, D.; Roses, A. D.: A new probe for the diagnosis of myotonic muscular dystrophy. p1648 27 Mar 1987.
- Bash, Paul A.; Singh, U. Chandra; Brown, Frank K.; Langridge, Robert; Kollman, Peter A.: Calculation of the relative change in binding free energy of a protein-inhibitor complex. p574 30 Jan 1987.
- Bathurst, Ian C.; Brennan, Stephen O.; Carrell, Robin W.; Cousens, Lawrence S.; Brake, Anthony J.; Barr, Philip J.: Yeast KEX2 protease has the properties of a human proalbumin converting enzyme. p348 16 Jan 1987.
- Beary, Barry J. *See* Sundin, Daniel R.
- Becker, Peter L. *See* Williams, David A.
- Bell, Douglas S. *See* Selkoe, Dennis J.
- Bell, Robert M. *See* Hannun, Yusuf A.
- Berlin, J. R. *See* Wier, W. G.
- Berzofsky, Jay A. *See* Good, Michael F.
- Bialy, Harvey: SSC and SDI (letter). p1561 27 Mar 1987.
- Binz, Hans. *See* Burnens, André.
- Birnbaum, Morris J.; Haspel, Howard C.; Rosen, Ora M.: Transformation of rat fibroblasts by FSV rapidly increases glucose transporter gene transcription. p1495 20 Mar 1987.
- Birnbaumer, Lutz. *See* Yatani, Atsuko.
- Bishop, J. Michael: The molecular genetics of cancer. p305 16 Jan 1987.
- Bjurling, P. *See* Fowler, J. S.
- Bloch, Erich: NSF's budget and economic competitiveness (editorial). p621 6 Feb 1987.
- Block, Fred: U.S. management and productivity (letter). p416 23 Jan 1987.
- Blocker, Craig: review of *Introduction to Experimental Particle Physics*, by Richard C. Fernow. p1091 27 Feb 1987.
- Bloom, Mark (news): Cancer M.D.'s clash over interleukin therapy. p154 9 Jan 1987.
- Boatman, J. F. *See* Dickerson, R. R.
- Boege, Ulrike. *See* Luo, Ming.
- Bohanon, Joseph T.: Nuclear winter debate (letter). p832 20 Feb 1987.
- Bond, Barbara. *See* Parslow, Tristram G.
- Bond, Chris T. *See* Adelman, John P.
- Bongaarts, John. *See* Greenhalgh, Susan.
- Bookstein, Robert. *See* Lee, Wen-Hwa.
- Borjas, George J. and Tienda, Marta: The economic consequences of immigration. p645 6 Feb 1987.
- Borst, D. *See* Laufer, H.
- Borst, P. and Greaves, D. R.: Programmed gene rearrangements altering gene expression. p658 6 Feb 1987.
- Bosshard, Hans Rudolf. *See* Burnens, André.
- Botstein, David. *See* Kaiser, Chris A.
- Bowie, James. *See* Regan, Lynne.
- Boyle, M. B.; Azhderian, E. M.; MacLusky, N. J.; Naftolin, F.; Kaczmarek, L. K.: *Xenopus* oocyte injected with rat uterine RNA express very slowly activating potassium currents. p1221 6 Mar 1987.
- Bradford, Michael J. *See* Peterman, Randall M.
- Brake, Anthony J. *See* Bathurst, Ian C.
- Brann, Mark R. and Cohen, Leslie V.: Diurnal expression of transducin mRNA and translocation of transducin in rods of rat retina. p585 30 Jan 1987.
- Brauman, John I.: Materials science (editorial). p953 27 Feb 1987.
- Breitman, M. L. *See* Goring, D. R.
- Brennan, Stephen O. *See* Bathurst, Ian C.
- Bressler, Steven L. *See* Gevins, Alan S.
- Bridgeman, Bruce: review of *Mind and Brain*, edited by Joseph E. LeDoux and William Hirst. p373 16 Jan 1987.
- Briner, Thomas J. *See* Guillet, Jean-Gerard.
- Brinster, Ralph L. *See* Hammer, Robert E.
- Broadus, James M.: Seabed materials. p853 20 Feb 1987.
- Brocas, Huguette. *See* Vassart, Gilbert.
- Brown, Arthur M. *See* Yatani, Atsuko.
- Brown, Frank K. *See* Bash, Paul A.
- Brown, Gregory. *See* Schultz, Gregory S.
- Brown, Marlo L. *See* Pedersen, Niels C.
- Brown, Paul. *See* Delabar, Jean-Maurice.
- Brown, W. L.; Freeman, R. R.; Raghavachari, Krishnan; Schlüter, M.: Covalent group IV atomic clusters. p860 20 Feb 1987.
- Bruist, Michael F.; Horvath, Suzanna J.; Hood, Leroy E.; Steitz, Thomas A.; Simon, Melvin I.: Synthesis of a site-specific DNA-binding peptide. p777 13 Feb 1987.
- Brünger, Axel T.; Campbell, Robert L.; Clore, G. Marius; Gronenborn, Angela M.; Karplus, Martin; Petsko, Gregory A.; Teeter, Martha M.: Solution of a protein crystal structure with a model obtained from NMR interproton distance restraints. p1049 27 Feb 1987.
- Brünger, Axel T.; Kuriyan, John; Karplus, Martin: Crystallographic R factor refinement by molecular dynamics. p458 23 Jan 1987.
- Bruni, Amalia. *See* St George-Hyslop, Peter H.
- Bruns, Gail A. P. *See* Bartlett, R. J. *See also* Tanzi,

B

- Babonits, Magda. *See* Potter, Michael.
- Baer, E.; Hiltner, A.; Keith, H. D.: Hierarchical structure in polymeric materials. p1015 27 Feb 1987.
- Bailey, Charles L. *See* Linthicum, Kenneth J.

Rudolph E.
 Brust, Susan. *See* Potter, Michael.
 Bryan, Glenn J.; Jacobson, James W.; Hartl, Daniel L.: Heritable somatic excision of a *Drosophila* transposon. p1636 27 Mar 1987.
 Burchfiel, B. Clark. *See* Molnar, Peter.
 Burger, Max M. *See* Burn, Paul.
 Burks, Christian; Fickett, James; Goad, Walter: GenBank status report (letter). p267 16 Jan 1987.
 Burn, Paul and Burger, Max M.: The cytoskeletal protein vinculin contains transformation-sensitive, covalently bound lipid. p476 23 Jan 1987.
 Burnens, André; Demotz, Stéphane; Corradin, Giampietro; Binz, Hans; Bosshard, Hans Rudolf: Epitope mapping by chemical modification of free and antibody-bound protein antigen. p780 13 Feb 1987.
 Butow, Ronald A. *See* Parikh, Vandana S.
 Buus, Soren. *See* Guillet, Jean-Gerard.
 —; Sette, Alessandro; Colon, Sonia M.; Miles, Craig; Grey, Howard M.: The relation between major histocompatibility complex (MHC) restriction and the capacity of Ia to bind immunogenic peptides. p1353 13 Mar 1987.
 Buxbaum, Robert E.; Dennerll, Timothy; Weiss, Serge; Heidemann, Steven R.: F-actin and microtubule suspensions as indeterminate fluids. p1511 20 Mar 1987.
 Byrne, John H. *See* Scholz, Kenneth P.

C

Cameron, S. D. *See* Roxlo, C. B.
 Campbell, Robert L. *See* Brünger, Axel T. (p1049).
 Camper, Sally A. *See* Hammer, Robert E.
 Cann, Alan J. *See* Kitado, Haruo. *See also* Wachsmann, William.
 Cannell, M. B. *See* Wier, W. G.
 Cantor, Charles R. *See* Lawrence, Simon K.
 Cao, S. R. *See* Mumford, J. L.
 Capasso, Federico: Band-gap engineering: from physics and materials to new semiconductor devices. p172 9 Jan 1987.
 Capowski, Joseph: review of *Video Microscopy*, by Shinya Inoué. p1263 6 Mar 1987.
 Carey, William D.: Annual report of the Executive Officer (AAAS). p638 6 Feb 1987.
 Carlin, Norman F.: review of *Fire Ants and Leaf-Cutting Ants*, edited by Clifford S. Lofgren and Robert K. Vander Meer. p1602 27 Mar 1987.
 Carpenter, Gail A.; Cohen, Michael A.; Grossberg, Stephen: Computing with neural networks (technical comment). p1226 6 Mar 1987.
 Carrasco, C. *See* Laufer, H.
 Carrell, Robin W. *See* Bathurst, Ian C.
 Carson, Dennis A. *See* Lotz, Martin.
 Cassell, Gail H. *See* Dybvig, Kevin.
 Castellani, Lorian and Cohen, Carolyn: Myosin rod phosphorylation and the catch state of molluscan muscles. p334 16 Jan 1987.
 Cazenave, Pierre-André. *See* Choquet, Daniel.
 Cecchini, M. A. *See* Stern, D. F.
 Champlin, Richard. *See* Clark, Steven S.
 Chan, Kwong L. and Sofia, Sabatino: Validity tests of the mixing-length theory of deep convection. p465 23 Jan 1987.
 Chang, David D. and Clayton, David A.: A mammalian mitochondrial RNA processing activity contains nucleus-encoded RNA. p1178 6 Mar 1987.
 Chapman, R. S. *See* Mumford, J. L.
 Charles, Daniel (news): Pilot program cuts red tape for federal grants. p966 27 Feb 1987.
 Charles, Douglas K.: review of *Prehistoric Hunter-Gatherers in Japan*, edited by Takeru Akazawa and C. Melvin Aikens. p916 20 Feb 1987.
 Chen, Irvin S.-Y. *See* Kitado, Haruo. *See also* Wachsmann, William.
 Cheng, Yang-Tse and Johnson, William L.: Disordered materials: a survey of amorphous solids. p997 27 Feb 1987.
 Chepelinsky, Ana B. *See* Mahon, Kathleen A.
 Chianelli, R. R. *See* Roxlo, C. B.
 Choquet, Daniel; Sarthou, Pierre; Primi, Daniele; Cazenave, Pierre-André; Korn, Henri: Cyclic AMP-modulated potassium channels in murine B cells and their precursors. p1211 6 Mar 1987.
 Chou, Ting-Chao. *See* Vogt, Markus W.
 Chow, Gregory C.: Development of a more market-oriented economy in China. p295 16 Jan 1987.
 Chowdary, Dondapati. *See* Tomasz, Maria.
 Christman, D. *See* Fowler, J. S.
 Christophe, Daniel. *See* Vassart, Gilbert.
 Chu, C. W.; Hor, P. H.; Meng, R. L.; Gao, L.; Huang, Z. J.: Superconductivity at 52.5 K in lanthanum-barium-copper-oxide system. p567 30 Jan 1987.
 Chuang, J. C. *See* Mumford, J. L.
 Chung, Margaret. *See* Wong, Gordon G.
 Ciarletta, Agnes B. *See* Wong, Gordon G.
 Clapoff, S. *See* Goring, D. R.
 Clark, Gary M. *See* Slamon, Dennis J.
 Clark, Steven C. *See* Wong, Gordon G.
 Clark, Steven S.; McLaughlin, Jami; Crist, William M.; Champlin, Richard; Witte, Owen N.: Unique forms of the *abl* tyrosine kinase distinguish PH¹-positive CML from Ph¹-positive ALL. p85 2 Jan 1987.
 Clarke, Michael W. *See* Gardiner, Peter R.
 Clayton, David A. *See* Chang, David D.
 Clegg, Michael T.: review of *Molecular Evolutionary Genetics*, edited by Ross J. MacIntyre. p599 30 Jan 1987.
 Clements, L. Scott. *See* Parikh, Vandana S.
 Clogston, A. M.: Applied research: key to innovation. p12 2 Jan 1987.
 Clore, G. Marius. *See* Brünger, Axel T. (p1049).
 Codina, Juan. *See* Yatani, Atsuko.
 Coggins, Clemency Chase: review of *The Murals of Bonampak*, by Mary Ellen Miller. p1522 20 Mar 1987.
 Cohen, Carolyn. *See* Castellani, Lorian.
 Cohen, Leslie V. *See* Brann, Mark R.
 Cohen, Michael A. *See* Carpenter, Gail A.
 Cohen, Yehuda. *See* Alldredge, Alice L.
 Cohenour, Robert C. *See* Allen, Allen D.
 Colcher, David. *See* Greiner, John W.
 Cole, Jeffery L. *See* Collins, Francis S.
 Coleman, Leslie A. *See* Vogt, Markus W.
 Collins, Francis S.; Drumm, Mitchell L.; Cole, Jeffery L.; Lockwood, Wendy K.; Vande Woude, George F.; Iannuzzi, Michael C.: Construction of a general human chromosome jumping library, with application to cystic fibrosis. p1046 27 Feb 1987.
 Colon, Sonia M. *See* Buus, Soren.
 Comeau, Jerry. *See* Hoch, Harvey C.
 Conneally, P. Michael. *See* St George-Hyslop, Peter H.
 Cook, M. L. *See* Stevens, J. G.
 Cooke, M. *See* Mumford, J. L.
 Cooks, R. G. *See* Delgass, W. N.
 Cork, Linda C. *See* Selkoe, Dennis J.
 Corrette, James L. *See* Good, Michael F.
 Corradin, Giampietro. *See* Burnens, André.
 Cousens, Lawrence S. *See* Bathurst, Ian C.
 Covey, Curt: Nuclear winter debate (letter). p831 20 Feb 1987.
 Craig, H. and Hayward, T.: Oxygen supersaturation in the ocean: biological versus physical contributions. p199 9 Jan 1987.

Crawford, Mark (news): Back to the energy crisis. p626 6 Feb 1987. BioTechnica tests EPA review process. p840 20 Feb 1987. Broader public role sought in biotechnology. p966 27 Feb 1987. "Competitiveness" bill goes to Congress. p967 27 Feb 1987. Court rejects Rifkin in biotech cases. p159 9 Jan 1987. DOD to reassess bioweapons' risks. p968 27 Feb 1987. EPA okays field test. p840 20 Feb 1987. ERAB sets priorities for energy department's physics research. p1317 13 Mar 1987. Genentech sues FDA on growth hormone. p1454 20 Mar 1987. Glenn asks Reagan to halt Pakistan aid pending review of nuclear programs. p1321 13 Mar 1987. Hazardous waste: where to put it? p156 9 Jan 1987. NIH finds Argentine experiment did not break U.S. biotechnology rules. p276 16 Jan 1987. OTA: property right, donor consent factors cloud "gifts" of human tissue. p1564 27 Mar 1987. Reagan okays thought to possess atomic bomb. p1131 6 Mar 1987. R&D and the deficit. p152 9 Jan 1987. RAC recommends easing some recombinant DNA guidelines. p740 13 Feb 1987. Reagan okays the supercollider. p625 6 Feb 1987. The SCC's price tag troubles Congress. p837 20 Feb 1987. Soviets interested in study on economic conversion. p1133 6 Mar 1987. Tax relief sought for oil industry. p1568 27 Mar 1987. A \$2.5-billion acid rain plan. p1567 27 Mar 1987.
 Crawley, Jacqueline N. *See* Suzdak, Peter D.
 Crist, William M. *See* Clark, Steven S.
 Cruickshank, Alexander M.: Gordon Research Conferences. p1233 6 Mar 1987.
 Crumpacker, Clyde. *See* Vogt, Markus W.
 Culliton, Barbara J. (news): Alvin Trivelpiece of DOE is named new Executive Officer of AAAS. p840 20 Feb 1987. A battle over NIH funds. p1129 6 Mar 1987. Comings and goings. p741 13 Feb 1987. Hughes settles with IRS. p1318 13 Mar 1987. Integrity of research papers questioned. p422 23 Jan 1987. Minnesota gets institute for theoretical physics. p741 13 Feb 1987. NIH to restore slashed grants. p1321 13 Mar 1987. Osteoporosis reexamined: complexity of bone biology is a challenge. p833 20 Feb 1987. Science sections in U.S. newspapers increase dramatically in past 2 years. p429 23 Jan 1987. *Science* wins Olive Branch. p1570 27 Mar 1987. "We're killing our world." p964 27 Feb 1987.
 Culver, Melanie. *See* Nakamura, Yusuke.
 Curtis, Lawrence A.: Vertical distribution of an estuarine snail altered by a parasite. p1509 20 Mar 1987.
 Cuttillo, Brian A. *See* Gevins, Alan S.
 Czeisler, Charles A. and Allan, James S.: Moonlight and circadian rhythms (letter). p145 9 Jan 1987.

D

Dalbey, Ross E. and Wickner, William: Leader peptidase of *Escherichia coli*: critical role of a small domain in membrane assembly. p783 13 Feb 1987.
 Dalla-Favera, Riccardo. *See* Barletta, Cosimo.
 Das, Siddhartha. *See* Gillin, Frances D.
 Daum, P. H. *See* Dickerson, R. R.
 Davies, F. Glyn. *See* Linthicum, Kenneth J.
 Davies, J. M. *See* Ducklow, Hugh W.
 Davis, Bernard D.: Bacterial domestication: underlying assumptions. p1329 13 Mar 1987.
 Dawid, Igor B.: review of *Gene Activity in Early Development*, by Eric H. Davidson. p695 6 Feb 1987.
 Deckman, H. W. *See* Roxlo, C. B.
 de Grouchy, Jean. *See* Delabar, Jean-Maurice.

Delabar, Jean-Maurice; Goldgaber, Dmitry; Lamour, Yvon; Nicole, Annie; Huret, Jean-Louis; de Grouchy, Jean; Brown, Paul; Gajdusek, D. Carleton; Sinet, Pierre-Marie: β Amyloid gene duplication in Alzheimer's disease and karyotypically normal Down syndrome. p1390 13 Mar 1987.

Delany, A. C. *See* Dickerson, R. R.

Delgass, W. N. and Cooks, R. G.: Focal points in mass spectrometry. p545 30 Jan 1987.

Demotz, Stéphane. *See* Burnens, André.

Denman, Clayton C.: Teacher training (letter). p730 13 Feb 1987.

Dennerll, Timothy. *See* Buxbaum, Robert E.

DeRenzo, Evan. *See* Wyatt, Richard Jed.

Desmond, Adrian: review of *The Darwinian Heritage*, edited by David Kohn. p224 9 Jan 1987.

Devaney, Robert L.: Chaotic bursts in nonlinear dynamical systems. p342 16 Jan 1987.

Devi-Rao, G. B. *See* Stevens, J. G.

Dewey, S. L. *See* Fowler, J. S.

Dickerson, R. R.; Huffman, G. J.; Luke, W. T.; Nunnermacker, L. J.; Pickering, K. E.; Leslie, A. C. D.; Lindsey, C. G.; Slinn, W. G. N.; Kelly, T. J.; Daum, P. H.; Delany, A. C.; Greenberg, J. P.; Zimmerman, P. R.; Boatman, J. F.; Ray, J. D.; Stedman, D. H.: Thunderstorms: an important mechanism in the transport of air pollutants. p460 23 Jan 1987.

Dickson, David (news): Britain chooses U.S.-designed reactor. p629 6 Feb 1987. British researchers seek SDI funds. p736 13 Feb 1987. CERN panel backs new accelerator. p1567 27 Mar 1987. Chemical weapons pact edging closer. p1452 20 Mar 1987. Denmark OK's radar. p1456 20 Mar 1987. EEC research program in jeopardy. p158 9 Jan 1987. France, Britain boost AIDS funds. p1136 6 Mar 1987. . . . German moratorium urged. p741 13 Feb 1987. House of Lords wants U.K. research assessed. p280 16 Jan 1987. Japan to build French reprocessing plant. p630 6 Feb 1987. New French minister. p280 16 Jan 1987. Raising the image of science in Britain. p1134 6 Mar 1987. Shake-up announced for Soviet academy. p1565 27 Mar 1987. Soviet patents. p1570 27 Mar 1987. Student protests block university changes. p24 2 Jan 1987. A \$300-million LINK. p26 2 Jan 1987.

Dickson, Robert C.: review of *Yeast Cell Biology*, edited by James Hicks. p374 16 Jan 1987.

Dierich, Manfred P. *See* Fuchs, Dietmar.

Divine, Robert A.: review of *Under the Cloud*, by Richard L. Miller, and review of *Justice Downwind*, by Howard Ball. p227 9 Jan 1987.

Dixon, David A. *See* Miller, Joel S.

Dorfman, Leslie J.: Lake Tahoe mystery disease (letter). p623 6 Feb 1987.

Douglas, Herndon. *See* Gillin, Frances D.

Douglass, James. *See* Adelman, John P.

Doyle, Joseph C. *See* Gevins, Alan S.

Drachman, David. *See* St George-Hyslop, Peter H.

Drell, Sidney. *See* Eimer, Manfred.

Drumm, Mitchell L. *See* Collins, Francis S.

Ducklow, Hugh W.; Purdie, D. A.; Williams, P. J. LeB.; Davies, J. M.: Bacteria: link or sink? (technical comment). p88 2 Jan 1987.

Duke, Greg M. *See* Luo, Ming.

Dusheck, George: Politics in letters (letter). p623 6 Feb 1987.

Dwyer, John P.: review of *Agent Orange on Trial*, by Peter H. Schuck. p597 30 Jan 1987.

Dybvig, Kevin and Cassell, Gail H.: Transposition of Gram-positive transposon Tn916 in *Acholeplasma laidlawii* and *Mycoplasma pulmonis*. p1392 13 Mar 1987.

Dziedzic, J. M. *See* Ashkin, A.

E and F

Ehrenreich, Henry: Electronic theory for materials science. p1029 27 Feb 1987.

Ehrlich, Anne H. *See* Vitousek, Peter M.

—; Ehrlich, Paul R.; Mooney, Harold A.: Nuclear winter debate (letter). p832 20 Feb 1987.

Ehrlich, Paul R. *See* Ehrlich, Anne H. *See also* Vitousek, Peter M.

Eimer, Manfred and Drell, Sidney: Verification and arms control. p406 23 Jan 1987.

Elber, R. and Karplus, M.: Multiple conformational states of proteins: a molecular dynamics analysis of myoglobin. p318 16 Jan 1987.

Ellison, Peter T.: review of *African Pygmies*, edited by Luigi Luca Cavalli-Sforza. p600 30 Jan 1987.

Ernst, W. G.: review of *Blueschists and Eclogites*, edited by Bernard W. Evans and Edwin H. Brown. p491 23 Jan 1987.

Esmon, Charles T.: The regulation of natural anticoagulant pathways. p1348 13 Mar 1987.

Etzkowitz, Henry: review of *Distributional Conflicts in Environmental-Resource Policy*, edited by Allan Schnaiberg, Nicholas Watts, and Klaus Zimmermann. p914 20 Feb 1987.

Fan, Hung. *See* Kitado, Haruo.

Fay, Fredric S. *See* Williams, David A.

Feakes, Carolyn R. *See* Retallack, Gregory J.

Feder, Ned. *See* Stewart, Walter W.

Feiveson, Harold. *See* Albright, David.

Feldman, L. T. *See* Stevens, J. G.

Feldman, Robert G. *See* St George-Hyslop, Peter H.

Fenton, William N.: review of *Science Encounters the Indian, 1820-1880*, by Robert E. Bieder. p1409 13 Mar 1987.

Ferenz, Catherine R. *See* Wong, Gordon G.

Fickett, James. *See* Burks, Christian.

Field, Paul B.: Homelessness (letter). p955 27 Feb 1987.

Finer-Moore, Janet S. *See* Hardy, Larry W.

Fisher, Gene A. *See* Rossi, Peter H.

Fisher, Paul B. *See* Greiner, John W.

Flier, Jeffrey S.; Mueckler, Michael M.; Usher, Patricia; Lodish, Harvey F.: Elevated levels of glucose transport and transporter messenger RNA are induced by *ras* or *src* oncogenes. p1492 20 Mar 1987.

Folkman, Judah and Klagsbrun, Michael: Angiogenic factors. p442 23 Jan 1987.

Foncin, Jean-Francois. *See* St George-Hyslop, Peter H.

Fowler, J. S.; MacGregor, R. R.; Wolf, A. P.; Arnett, C. D.; Dewey, S. L.; Schlyer, D.; Christman, D.; Logan, J.; Smith, M.; Sachs, H.; Aquilonius, S. M.; Bjurling, P.; Halldin, C.; Hartvig, P.; Leenders, K. G.; Lundqvist, H.; Orelund, L.; Stålnacke, C.-L.; Långström, B.: Mapping human brain monoamine oxidase A and B with ^{11}C -labeled suicide inactivators and PET. p481 23 Jan 1987.

Freeman, R. R. *See* Brown, W. L.

Fridling, Barry E.: review of *Arms Control Verification*, edited by Kosta Tsipis, David W. Hafemeister, and Penny Janeway; *Verification*, by Allan S. Krass; and *The Verification Challenge*, by Richard A. Scribner, Theodore J. Ralston, and William D. Metz. p1090 27 Feb 1987.

Friedlander, Gerhart. *See* Weneser, Joseph.

— and Weneser, Joseph: Solar neutrinos: experimental approaches. p760 13 Feb 1987.

Frommelt, Peter. *See* St George-Hyslop, Peter H.

Fuchs, Dietmar; Hausen, Arno; Hengster, Paul; Reibnegger, Gilbert; Schulz, Thomas; Werner, Ernst R.; Dierich, Manfred P.; Wachter, Helmut: In vivo activation of CD4 $^{+}$ cells in AIDS (technical comment). p356 16 Jan 1987.

Fujimoto, Esther. *See* Nakamura, Yusuke.

Furman, Phillip A. *See* Vogt, Markus W.

Fyfe, James A. *See* Vogt, Markus W.

G

Gaines, Steven D. and Roughgarden, Jonathan: Fish in offshore kelp forests affect recruitment to intertidal barnacle populations. p479 23 Jan 1987.

Gajdusek, D. Carleton. *See* Delabar, Jean-Maurice. *See also* Goldgaber, Dmitry.

Galasso, George J.: NIH fraud guidelines (letter). p1561 27 Mar 1987.

Gange, R.: SDI goals (letter). p268 16 Jan 1987.

Gao, L. *See* Chu, C. W.

Garbow, Joel R. *See* Schaefer, Jacob.

Gardiner, Peter R.; Pearson, Terry W.; Clarke, Michael W.; Mutharia, Lucy M.: Identification and isolation of a variant surface glycoprotein from *Trypanosoma vivax*. p774 13 Feb 1987.

Garjian, Kareen. *See* McDonald, Gregory A.

Gault, Michael J. *See* Gillin, Frances D.

Gavian, Sarah. *See* Mellor, John W.

Geballe, T. H. *See* Tarascon, J. M.

Geffer, Malcolm L. *See* Guillet, Jean-Gerard.

George, David G.; Hunt, Lois T.; Barker, Winona G.: Nucleic acid database management (letter). p1562 27 Mar 1987.

Georges, Michel. *See* Vassart, Gilbert.

Getzoff, Elizabeth D. *See* Geysen, H. Mario.

—; Geysen, H. Mario; Rodda, Stuart J.; Alexander, Hannah; Tainer, John A.; Lerner, Richard A.: Mechanisms of antibody binding to a protein. p1191 6 Mar 1987.

Gevins, Alan S.; Morgan, Nelson H.; Bressler, Steven L.; Cuttillo, Brian A.; White, Roseann M.; Illes, Judy; Greer, Douglas S.; Doyle, Joseph C.; Zeitlin, Gerald M.: Human neuroelectric patterns predict performance accuracy. p580 30 Jan 1987.

Geysen, H. Mario. *See* Getzoff, Elizabeth D.

—; Tainer, John A.; Rodda, Stuart J.; Mason, Tom J.; Alexander, Hannah; Getzoff, Elizabeth D.; Lerner, Richard A.: Chemistry of antibody binding to a protein. p1184 6 Mar 1987.

Gibbs, Jackson B. *See* Robinson, Lucy C.

Gilbert, J. *See* Bartlett, R. J.

Gillin, Frances D.; Reiner, David S.; Gault, Michael J.; Douglas, Herndon; Das, Siddhartha; Wunderlich, Annette; Sauch, Judith F.: Encystation and expression of cyst antigens by *Giardia lamblia* in vitro. p1040 27 Feb 1987.

Gingras, Yves: review of *Confronting Nature*, by Trevor Pinch. p225 9 Jan 1987.

Gittins, John: review of *Ring Complex Granites and Anorogenic Magmatism*, by Bernard Bonin. p1091 27 Feb 1987.

Gland, J. *See* Roxlo, C. B.

Glass, A. M.: Optical materials. p1003 27 Feb 1987.

Glazer, Alexander N. *See* Stocker, Roland.

Glowa, John R. *See* Suzdak, Peter D.

Goad, Walter. *See* Burks, Christian.

Godfriaux, Bruce L.: Net primary production: the tomato example (letter). p15 2 Jan 1987.

Goh, Wei Chun. *See* Greene, Warner C.

Goldgaber, Dmitry. *See* Delabar, Jean-Maurice.

—; Lerman, Michael I.; McBride, O. Wesley; Saffiotti, Umberto; Gajdusek, D. Carleton: Characterization and chromosomal localization of a cDNA encoding brain amyloid of Alzheimer's disease. p877 20 Feb 1987.

Goldstein, Alvin G.: Replication and the scientific method (letter). p267 16 Jan 1987.

Goldstein, David B.: Oil import fee? (letter). p522 30 Jan 1987.

- Gonzalez-Scarano, Francisco. *See* Sundin, Daniel R.
- Good, Michael F.; Maloy, W. Lee; Lunde, Milford N.; Margalit, Hanah; Cornette, James L.; Smith, Geoffrey L.; Moss, Bernard; Miller, Louis H.; Berzofsky, Jay A.: Construction of synthetic immunogen: use of new T-helper epitope on malaria circumsporozoite protein. p1059 27 Feb 1987.
- Gordon, Glen E.: review of *Atmospheric Chemistry*, by Barbara J. Finlayson-Pitts and James N. Pitts, Jr., and *Atmospheric Chemistry and Physics of Air Pollution*, by John S. Seinfeld. p1263 6 Mar 1987.
- Goring, D. R.; Rossant, J.; Clapoff, S.; Breitman, M. L.; Tsui, L.-C.: In situ detection of β -galactosidase in lenses of transgenic mice with a γ -crystallin/*lacZ* gene. p456 23 Jan 1987.
- Gould, Meredith and Stephano, José Luis: Electrical responses of eggs to acrosomal protein similar to those induced by sperm. p1654 27 Mar 1987.
- Greaves, D. R. *See* Borst, P.
- Greenberg, J. P. *See* Dickerson, R. R.
- Greene, L. H. *See* Tarascon, J. M.
- Greene, Warner C.; Leonard, Warren J.; Wano, Yuji; Svetlik, Penny B.; Peffer, Nancy J.; Sordroski, Joseph G.; Rosen, Craig A.; Goh, Wei Chun; Haseltine, William A.: *Trans*-activator gene of HTLV-II: interpretation (technical comment). p1073 27 Feb 1987.
- Greenhalgh, Susan and Bongaarts, John: Fertility policy in China: future options. p1167 6 Mar 1987.
- Greenstone, Matthew H.: Support for the Uspenskiis (letter). p1307 13 Mar 1987.
- Greer, Douglas S. *See* Gevins, Alan S.
- Grega, Debra S.; Werz, Mary Ann; Macdonald Robert L.: Forskolin and phorbol esters reduce the same potassium conductance of mouse neurons in culture. p345 16 Jan 1987.
- Greiner, John W.; Guadagni, Fiorella; Noguchi, Philip; Pestka, Sidney; Colcher, David; Fisher, Paul B.; Schlom, Jeffrey: Recombinant interferon enhances monoclonal antibody-targeting of carcinoma lesions in vivo. p895 20 Feb 1987.
- Grey, Howard M. *See* Buus, Soren. *See also* Guillet, Jean-Gerard.
- Grisafi, Paula. *See* Kaiser, Chris A.
- Gronenborn, Angela M. *See* Brünger, Axel T. (p1049).
- Grossberg, Stephen. *See* Carpenter, Gail A.
- Growdon, John. *See* St George-Hyslop, Peter H.
- Gruber, Carol S.: review of *No Ivory Tower*, by Ellen W. Schrecker. p371 16 Jan 1987.
- Guadagni, Fiorella. *See* Greiner, John W.
- Guillet, Jean-Gerard; Lai, Ming-Zong; Briner, Thomas J.; Buus, Soren; Sette, Alessandro; Grey, Howard M.; Smith, John A.; Geffer, Malcolm L.: Immunological self, nonself discrimination. p865 20 Feb 1987.
- Gunning, Richard: Increased numbers of ion channels promoted by an intracellular second messenger. p80 2 Jan 1987.
- Gusella, James F. *See* St George-Hyslop, Peter H. *See also* Tanzi, Rudolph E.
- Guthrie, Christine. *See* Riedel, Nora.
- H-K**
- Haines, Jonathan L. *See* St George-Hyslop, Peter H.
- Halldin, C. *See* Fowler, J. S.
- Hamer, Dean H. *See* Seguin, Carl.
- Hammer, Robert E.; Krumlauf, Robb; Camper, Sally A.; Brinster, Ralph L.; Tilghman, Shirley M.: Diversity of alpha-fetoprotein gene expression in mice is generated by a combination of separate enhancer elements. p53 2 Jan 1987.
- Hamon, Brigitte. *See* Yaari, Yoel.
- Hannibal, Kari: Forensic experts aid Philippine search for disappeared. p535 30 Jan 1987.
- Hannun, Yusuf A. and Bell, Robert M.: Lyso-sphingolipids inhibit protein kinase C: implications for the sphingolipidoses. p670 6 Feb 1987.
- Haq, Bilal U.; Hardenbol, Jan; Vail, Peter R.: Chronology of fluctuating sea levels since the Triassic. p1156 6 Mar 1987.
- Harastzi, Joseph S. *See* Allen, Allen D.
- Hardenbol, Jan. *See* Haq, Bilal U.
- Hardy, Larry W.; Finer-Moore, Janet S.; Montfort, William R.; Jones, Melvin O.; Santi, Daniel V.; Stroud, Robert M.: Atomic structure of thymidylate synthase: target for rational drug design. p448 23 Jan 1987.
- Hare, D. L. *See* Stern, D. F.
- Harris, D. B. *See* Mumford, J. L.
- Hartl, Daniel L. *See* Bryan, Glenn J.
- Hartshorn, Kevan L. *See* Vogt, Markus W.
- Hartvig, P. *See* Fowler, J. S.
- Haseltine, William A. *See* Greene, Warner C.
- Haspel, Howard C. *See* Birnbaum, Morris J.
- Hausen, Arno. *See* Fuchs, Dietmar.
- Hausler, Mark R. *See* McDonnell, Donald P.
- Hayward, T. *See* Craig, H.
- He, X. Z. *See* Mumford, J. L.
- Heidemann, Steven R. *See* Buxbaum, Robert E.
- Heinrich, Bernd: Nuclear winter debate (letter). p831 20 Feb 1987.
- Hengster, Paul. *See* Fuchs, Dietmar.
- Herbert, Edward. *See* Adelman, John P.
- Herbstreith, M. *See* Bartlett, R. J.
- Herter, Terry: review of *Light on Dark Matter*, edited by F. P. Israel. p695 6 Feb 1987.
- Hewick, Rodney M. *See* Wong, Gordon G.
- Hibbard, John. *See* Simkin, Susan M.
- Hibbs, John B., Jr.; Taintor, Read R.; Vavrin, Zdenek: Macrophage cytotoxicity: role for L-arginine deiminase and imino nitrogen oxidation to nitrite. p473 23 Jan 1987.
- Hickey, John R. *See* Wolff, Charles L.
- Hiltner, A. *See* Baer, E.
- Hirabayashi, H. *See* Levy, G. S.
- Hirsch, Martin S. *See* Vogt, Markus W.
- Hirsch, Robert L.: Impending United States energy crisis. p1467 20 Mar 1987.
- Ho, Esther W. *See* Pedersen, Niels C.
- Hoban, Tana M. *See* Lewy, Alfred J.
- Hobbie, Lawrence; Kingsley, David M.; Kozarsky, Karen F.; Jackman, Robert W.; Krieger, Monty: Restoration of LDL receptor activity in mutant cells by intercellular junctional communication. p69 2 Jan 1987.
- Hobbs, Wendy J. *See* St George-Hyslop, Peter H.
- Hoch, Harvey C.; Staples, Richard C.; Whitehead, Brian; Comeau, Jerry; Wolf, Edward D.: Signaling for growth orientation and cell differentiation by surface topography in *Uromyces*. p1659 27 Mar 1987.
- Hoff, Mark. *See* Nakamura, Yusuke.
- Hoffer, Barry J. *See* Mahowald, Mary B.
- Hoffman, Brian F. *See* Rosen, Michael R.
- Holden, Constance (news): Alcoholism and the medical cost crunch. p1132 6 Mar 1987. Chapter 11 for USA, Inc. p1570 27 Mar 1987. Emigrés express caution on Soviet human rights. p738 13 Feb 1987. Fasting astronomer goes to Geneva. p630 6 Feb 1987. Human values in medical schools. p26 2 Jan 1987. MacArthur to support family planning. p630 6 Feb 1987. NIMH finds a case of "serious misconduct." p1566 27 Mar 1987. NSF announces plans for elementary science. p630 6 Feb 1987. Peace institute grants. p26 2 Jan 1987. Release of Soviet dissidents continues. p968 27 Feb 1987. Romeo and Juliet and youth suicide. p21 2 Jan 1987. Sakharov sends message to Vienna. p739 13 Feb 1987. Textbook controversy intensifies nationwide. p19 2 Jan 1987. Textbook ruling sparks concern. p1459 20 Mar 1987. A top priority at NIMH. p431 23 Jan 1987. The Vatican weighs in. p1455 20 Mar 1987.
- Holden, Hazel M. *See* Tronrud, Dale E.
- Holm, Tom. *See* Nakamura, Yusuke.
- Hong, Frank. *See* Lee, Wen-Hwa.
- Hood, Leroy E. *See* Bruist, Michael F.
- Hopfield, John J. and Tank, David W.: Computing with neural networks (technical comment). p1228 6 Mar 1987.
- Hopkins, Theodore L. *See* Schaefer, Jacob.
- Hor, P. H. *See* Chu, C. W.
- Horvath, Suzanna J. *See* Bruist, Michael F.
- Houweling, Ada. *See* Vaessen, Ruud T. M. J.
- Howald, William N. *See* Rettie, Allan E.
- Huang, Minmin. *See* Molnar, Peter.
- Huang, Y.-L. and Moriarty-Schieven, G. H.: A revisit to the guest star of A.D. 185. p59 2 Jan 1987.
- Huang, Z. J. *See* Chu, C. W.
- Huffman, G. J. *See* Dickerson, R. R.
- Hull, David L.: review of *Scientists and Journalists*, edited by Sharon M. Friedman, Sharon Dunwoody, and Carol L. Rogers. p93 2 Jan 1987.
- Hull, G. W. *See* Tarascon, J. M.
- Hume, Frederick R.: Advancements in the application of computers to scientific research (Guide). pG54 27 Feb 1987.
- Hummer, John L.: Rüdenberg's patents (letter). p144 9 Jan 1987.
- Hung, W.-Y. *See* Bartlett, R. J.
- Hunt, Lois T. *See* George, David G.
- Huntington, Samuel P.: Vietnam report (letter). p1448 20 Mar 1987.
- Huret, Jean-Louis. *See* Delabar, Jean-Maurice.
- Iannuzzi, Michael C. *See* Collins, Francis S.
- Ihara, Yasuo. *See* Mori, Hiroshi.
- Illes, Judy. *See* Gevins, Alan S.
- Inoue, M. *See* Levy, G. S.
- Jackman, Robert W. *See* Hobbie, Lawrence.
- Jackson, Jeremy B. C. and Kaufmann, Karl W.: *Diadema antillarum* was not a keystone predator in cryptic reef environments. p687 6 Feb 1987.
- Jacob, Gary S. *See* Schaefer, Jacob.
- Jacobson, James W. *See* Bryan, Glenn J.
- Jaiswal, Rama Kant. *See* Paul, Aranjaniyil K.
- Janzen, Daniel H.: Forest restoration in Costa Rica (letter). p15 2 Jan 1987.
- Jeanloz, Raymond. *See* Knittle, Elise.
- Jenkins, Ron: Use of x-ray methods for the study of chemical composition (Guide). pG169 27 Feb 1987.
- Jiang, W. Z. *See* Mumford, J. L.
- Johnson, William L. *See* Cheng, Yang-Tse.
- Jones, Melvin O. *See* Hardy, Larry W.
- Jones, Susan Dana. *See* Parslow, Tristram G.
- Jonsen, Albert R. *See* Mahowald, Mary B.
- Kaczmarek, L. K. *See* Boyle, M. B.
- Kaiser, Chris A.; Preuss, Daphne; Grisafi, Paula; Botstein, David: Many random sequences functionally replace the secretion signal sequence of yeast invertase. p312 16 Jan 1987.
- Kamer, Greg. *See* Luo, Ming.
- Karban, Richard; Adamchak, Rodney; Schnathorst, William C.: Induced resistance and interspecific competition between spider mites and a vascular wilt fungus. p678 6 Feb 1987.
- Karen, David: review of *The American College and the Culture of Aspiration, 1915-1940*, by David O. Levine. p798 13 Feb 1987.
- Karplus, Martin. *See* Brünger, Axel T. (p458 and p1049). *See also* Elber, R.
- Kasting, J. F. and Ackerman, T. P.: Earth's early

- atmosphere (letter). p415 23 Jan 1987.
- Katz, Michael J. *See* Miller, Robert H.
- Kaufman, Randal J. *See* Wong, Gordon G.
- Kaufmann, Karl W. *See* Jackson, Jeremy B. C.
- Kawaguchi, N. *See* Levy, G. S.
- Keith, Charles H.: Slow transport of tubulin in the neurites of differentiated PC12 cells. p337 16 Jan 1987.
- Keith, H. D. *See* Baer, E.
- Kelly, T. J. *See* Dickerson, R. R.
- Kenyon, Lawrence C. *See* Barletta, Cosimo.
- Kerr, Richard A. (news): Another El Niño surprise in the Pacific, but was it predicted? p744 13 Feb 1987. Coastal ups and downs point to a big quake. p166 9 Jan 1987. Cutting the gordian knot of the San Andreas. p166 9 Jan 1987. Earthquakes are giving little warning. p165 9 Jan 1987. From its shape, a look inside Mimas. p31 2 Jan 1987. Getting a full view of the earth's innards. p433 23 Jan 1987. How much drying from a greenhouse warming? p435 23 Jan 1987. How to stop a quake by jogging. p165 9 Jan 1987. IRAS puts astronomers out of (one) business. p30 2 Jan 1987. Lake Nyos was rigged for disaster. p528 30 Jan 1987. Man and machine forecast big snow. p1460 20 Mar 1987. Milankovitch climate cycles through the ages. p973 27 Feb 1987. More clues to asteroid-dead comet connections. p29 2 Jan 1987. Mysterious Pluto may shrink no longer. p30 2 Jan 1987. Ocean hot springs similar around globe. p435 23 Jan 1987. Refining and defending the Vail sea level curve. p1141 6 Mar 1987. U.S.-Soviet seismic monitoring advances. p434 23 Jan 1987.
- Khillan, Jaspal S. *See* Mahon, Kathleen A.
- Killing, Dennis K. and Menyuk, Norman: Laser remote sensing of the atmosphere. p37 2 Jan 1987.
- King, Patricia. *See* Mahowald, Mary B.
- Kingsley, David M. *See* Hobbie, Lawrence.
- Kirchessner, Todd G. *See* Wion, Karen L.
- Kirk, R. L.: review of *Prehistory in the Pacific Islands*, by John Terrell. p1683 27 Mar 1987.
- Kitado, Haruo; Chen, Irvin S.-Y.; Shah, Neil P.; Cann, Alan J.; Shimotohno, Kunitada; Fan, Hung: U3 sequences from HTLV-I and -II LTRs confer px protein response to a murine leukemia virus LTR. p901 20 Feb 1987.
- Klagsbrun, Michael. *See* Folkman, Judah.
- Knapp, Gillian R.: review of *My Daughter Beatrice*, by Edward Hill. p915 20 Feb 1987.
- Knittle, Elise and Jeanloz, Raymond: Synthesis and equation of state of (Mg,Fe)SiO₃ perovskite to over 100 gigapascals. p668 6 Feb 1987.
- Koblitz, Ann Hibner: review of *Hypatia's Heritage*, by Margaret Alic. p1092 27 Feb 1987.
- Kohonen, Teuvo and Oja, Erkki: Computing with neural networks (technical comment). p1227 6 Mar 1987.
- Kolata, Gina (news): Clinical trials planned for new AIDS drug. p1138 6 Mar 1987. Diabetics should lose weight, avoid diet fads. p163 9 Jan 1987. Dietary fat-breast cancer link questioned. p436 23 Jan 1987. FDA approves AZT. p1570 27 Mar 1987. Fire! new ways to prevent it. p281 16 Jan 1987. High-carb diets questioned. p164 9 Jan 1987. Human cancer gene sequenced. p1323 13 Mar 1987. Imminent marketing of AZT raises problems. p1462 20 Mar 1987. Manic-depression gene tied to chromosome 11. p1139 6 Mar 1987. Marrow suppression hampers AZT use in AIDS victims. p1463 20 Mar 1987. Math papers called inaccessible. p159 9 Jan 1987. Mathematical model predicts AIDS spread. p1464 20 Mar 1987. New understanding of Gaucher's disease. p1328 13 Mar 1987. Oncogenes give breast cancer prognosis. p160 9 Jan 1987. Progress on Fermat's famous math problem. p1572 27 Mar 1987. Wet-nursing boom in England explored. p745 13 Feb 1987.
- Kollman, Peter A. *See* Bash, Paul A.
- Kondo, Jun. *See* Mori, Hiroshi.
- Korn, Henri. *See* Choquet, Daniel.
- Kosen, Phyllis Anne. *See* Marks, Cara Berman.
- Koshland, Daniel E., Jr. (editorials): Epidemics and civil rights. p729 13 Feb 1987. Fraud in science. p141 9 Jan 1987. Insomnia and the pious parchment pile. p1125 6 Mar 1987. Nature, nurture, and genes. p1445 20 Mar 1987. Techniques and strategies of verification. p405 23 Jan 1987. William D. Carey. p1553 27 Mar 1987. (letters): Accuracy and truth. p1447 20 Mar 1987. Rejection and revolution. p16 2 Jan 1987.
- Kozarsky, Karen F. *See* Hobbie, Lawrence.
- Kramer, Karl J. *See* Schaefer, Jacob.
- Krieger, Monty. *See* Hobbie, Lawrence.
- Kriz, Ronald. *See* Wong, Gordon G.
- Kromer, Lawrence F.: Nerve growth factor treatment after brain injury prevents neuronal death. p214 9 Jan 1987.
- Krumlauf, Robb. *See* Hammer, Robert E.
- Kulkosky, Joseph. *See* Laurence, Jeffrey.
- Kumlin, Erika. *See* Nakamura, Yusuke.
- Kunimori, H. *See* Levy, G. S.
- Kuntz, Irwin D. *See* Marks, Cara Berman.
- Kuriyan, John. *See* Brünger, Axel T. (p458).
- Kurnit, David M. *See* Tanzi, Rudolph E.
- ## L
- Laberge, C. *See* Bartlett, R. J.
- Lai, Ming-Zong. *See* Guillet, Jean-Gerard.
- Lakes, Roderic: Foam structures with a negative Poisson's ratio. p1038 27 Feb 1987.
- Lam, Joseph K. *See* Yip, Brandon.
- Lamour, Yvon. *See* Delabar, Jean-Maurice.
- Langridge, Robert. *See* Bash, Paul A.
- Långström, B. *See* Fowler, J. S.
- Lasek, Raymond J. *See* Miller, Robert H.
- Laszlo, Pierre: Chemical reactions on clays. p1473 20 Mar 1987.
- Laufer, H.; Borst, D.; Baker, F. C.; Carrasco, C.; Sinkus, M.; Reuter, C. C.; Tsai, L. W.; Schooley, D. A.: Identification of a juvenile hormone-like compound in a crustacean. p202 9 Jan 1987.
- Laurence, Jeffrey; Saunders, Anne; Kulkosky, Joseph: Characterization and clinical association of antibody inhibitory to HIV reverse transcriptase activity. p1501 20 Mar 1987.
- Lawn, Richard M. *See* Wion, Karen L.
- Lawrence, Simon K.; Smith, Cassandra L.; Srivastava, Rakesh; Cantor, Charles R.; Weissman, Sherman M.: Megabase-scale mapping of the HLA gene complex by pulsed field gel electrophoresis. p1387 13 Mar 1987.
- Leary, Anne C. *See* Wong, Gordon G.
- Lederer, W. J. *See* Wier, W. G.
- Lee, Eva Y.-H. P. *See* Lee, Wen-Hwa.
- Lee, J. E. *See* Bartlett, R. J.
- Lee, Kyu-Ho; Wells, Rebecca G.; Reed, Randall R.: Isolation of an olfactory cDNA: similarity to retinol-binding protein suggests a role in olfaction. p1053 27 Feb 1987.
- Lee, Milton L. and Markides, Karin E.: Chromatography with supercritical fluids. p1342 13 Mar 1987.
- Lee, Wen-Hwa; Bookstein, Robert; Hong, Frank; Young, Lih-Juan; Shew, Jin-Yuh; Lee, Eva Y.-H. P.: Human retinoblastoma susceptibility gene: cloning, identification, and sequence. p1394 13 Mar 1987.
- Leenders, K. L. *See* Fowler, J. S.
- Leonard, Warren J. *See* Greene, Warner C.
- Leppert, Mark. *See* Nakamura, Yusuke.
- Lequarre, Anne Sophie. *See* Vassart, Gilbert.
- Lerman, Michael I. *See* Goldgaber, Dmitry.
- Lerner, Richard A. *See* Getzoff, Elizabeth D. *See also* Geysen, H. Mario.
- Leslie, A. C. D. *See* Dickerson, R. R.
- Levin, Alan S.: "Toxic torts" (letter). p268 16 Jan 1987.
- Levin, H. M.: review of *Low Tech Education in a High Tech World*, by Elizabeth L. Useem. p799 13 Feb 1987.
- Levin, Wendy J. *See* Slamon, Dennis J.
- Levy, Marion J., Jr.: Vietnam report (letter). p1448 20 Mar 1987.
- Lewin, Roger (news): Bottlenecked cheetahs. p1327 13 Mar 1987. Creationism case argued before Supreme Court. p22 2 Jan 1987. Debate over emergence of human tooth pattern. p748 13 Feb 1987. Four legs bad, two legs good. p969 27 Feb 1987. Freed hands or enslaved feet? p970 27 Feb 1987. Life thrives under breaking ocean waves. p1465 20 Mar 1987. National Academy looks at human genome project, sees progress. p747 13 Feb 1987. Politics of the genome. p1453 20 Mar 1987. The surprising genetics of bottlenecked flies. p1325 13 Mar 1987.
- Lewy, Alfred J.; Sack, Robert L.; Miller, L. Stephen; Hoban, Tana M.: Antidepressant and circadian phase-shifting effects of light. p352 16 Jan 1987.
- Li, X. M. *See* Mumford, J. L.
- Liang, K'uangyi. *See* Molnar, Peter.
- Lindberg, Donald A. B.: Retraction of research findings (letter). p1308 13 Mar 1987.
- Lindsey, C. G. *See* Dickerson, R. R.
- Linthicum, Kenneth J.; Bailey, Charles L.; Davies, F. Glyn; Tucker, Compton J.: Detection of Rift Valley fever viral activity in Kenya by satellite remote sensing imagery. p1656 27 Mar 1987.
- Lipman, Peter W. *See* Tilling, Robert I.
- Lipman, Roselyn. *See* Tomasz, Maria.
- Livingston, Katherine: review of *Drosophila*, edited by D. B. Roberts. p96 2 Jan 1987. review of *Embryogenesis in Angiosperms*, by V. Raghavan. p96 2 Jan 1987. review of *NMR of Proteins and Nucleic Acids*, by Kurt Wüthrich. p96 2 Jan 1987.
- Lockwood, John P. *See* Tilling, Robert I.
- Lockwood, Wendy K. *See* Collins, Francis S.
- Lodish, Harvey F. *See* Flier, Jeffrey S.
- Logan, J. *See* Fowler, J. S.
- Lohmann, Kenneth J. and Willows, A. O. Dennis: Lunar-modulated geomagnetic orientation by a marine mollusk. p331 16 Jan 1987.
- Long, Marshall B. *See* Yip, Brandon.
- LoPresti, Vincent C.: Teacher training (letter). p730 13 Feb 1987.
- Lotz, Martin; Carson, Dennis A.; Vaughan, John H.: Substance P activation of rheumatoid synovocytes: neural pathway in pathogenesis of arthritis. p893 20 Feb 1987.
- Lovejoy, S.; Schertzer, D.; Tsonis, A. A.: Functional box-counting and multiple elliptical dimensions in rain. p1036 27 Feb 1987.
- Lucchitta, B. K.: Recent mafic volcanism on Mars. p565 30 Jan 1987.
- Luke, W. T. *See* Dickerson, R. R.
- Lumpkin, Michael D.; Samson, Willis K.; McCann, Samuel M.: Arginine vasopressin as a thyrotropin-releasing hormone. p1070 27 Feb 1987.
- Lunde, Milford N. *See* Good, Michael F.
- Lundqvist, H. *See* Fowler, J. S.
- Luo, Ming; Vriend, Gerrit; Kamer, Greg; Minor, Iwona; Arnold, Edward; Rossmann, Michael G.; Boege, Ulrike; Scraba, Douglas G.; Duke, Greg M.; Palmenberg, Ann C.: The atomic structure of Mengo virus at 3.0 Å resolution.

p182 9 Jan 1987.
Luis, Aldons J. See Wion, Karen L.
Lüst, Reimar: Space station plan (letter). p623 6 Feb 1987.
Lux, Hans D. See Yaari, Yoel.
Lynch, Jenny. See Schultz, Gregory S.

M

- Macdonald, John A. See Montgomery, John C.
Macdonald, Robert L., See Grega, Debra S.
MacGregor, R. R. See Fowler, J. S.
MacLusky, N. J. See Boyle, M. B.
Mahon, Kathleen A.; Chepelinsky, Ana B.; Khilan, Jaspal S.; Overbeck, Paul A.; Piatigorsky, Joram; Westphal, Heiner: Oncogenesis of the lens in transgenic mice. p1622 27 Mar 1987.
Mahowald, Mary B.; Areen, Judith; Hoffer, Barry J.; Jonsen, Albert R.; King, Patricia; Silver, Jerry; Sladek, John R., Jr.; Walters, LeRoy: Transplantation of neural tissue from fetuses (letter). p1307 13 Mar 1987.
Maizel, Abby. See Sharma, Surenda.
Maloy, W. Lee. See Good, Michael F.
Mangelsdorf, David J. See McDonnell, Donald P.
Marala, Ravi B. See Paul, Aranjaniyil K.
Marban, E. See Wier, W. G.
Margalit, Hanah. See Good, Michael F.
Markides, Karin E. See Lee, Milton L.
Markl, Hubert: review of *Leaders in the Study of Animal Behavior*, edited by Donald A. Dewsbury. p598 30 Jan 1987.
Marks, Cara Berman; Naderi, Hossein; Kosen, Phyllis Anne; Kuntz, Irwin D.; Anderson, Stephen: Mutants of bovine pancreatic trypsin inhibitor lacking cysteines 14 and 38 can fold properly. p1370 13 Mar 1987.
Marlowe, Charles K. See Bartlett, Paul A.
Marrack, Philippa: New insights into antigen recognition. p1311 13 Mar 1987.
Marshall, Eliot (news): California's debate on carcinogens. p1459 20 Mar 1987. Chip makers plan research center. p1320 13 Mar 1987. End game for the N Reactor? p17 2 Jan 1987. EPA finds western lakes free of acid pollution, but vulnerable. p423 23 Jan 1987. Fixing the shuttle. p527 30 Jan 1987. Frank Press reelected president of NAS. p1570 27 Mar 1987. The greening of DOE. p1315 13 Mar 1987. How safe Savannah River reactors? p 1563 27 Mar 1987. Nuclear winter debate heats up. p271 16 Jan 1987. Savannah River's \$1-billion glass-maker. p1314 13 Mar 1987. Shuttle plan faulted. p425 23 Jan 1987. Textbook credits bruise psychiatrists' egos. p835 20 Feb 1987. U.S., Soviets renew an exchange. p1568 27 Mar 1987. (letter): Nuclear winter debate. p832 20 Feb 1987.
Marshall, Mark S. See Robinson, Lucy C.
Martin, Cindy. See Nakamura, Yusuke.
Martin, Robert G.: Quality of biomedical literature (letter). p144 9 Jan 1987.
Martin, Samuel K.; Oduola, Ayo M. J.; Milhous, Wilbur K.: Reversal of chloroquine resistance in *Plasmodium falciparum* by verapamil. p899 20 Feb 1987.
Marvin, Ursula B.: review of *Cosmic Debris*, by John G. Burke. p1681 27 Mar 1987.
Marx, Jean L. (news): Histocompatibility restriction explained. p843 20 Feb 1987. A new wave of enzymes for cleaving prohormones. p285 16 Jan 1987. Oxygen free radicals linked to many diseases. p529 30 Jan 1987. Polyphosphoinositide research updated. p974 27 Feb 1987. Rice plants regenerated from protoplasts. p31 2 Jan 1987.
Mason, Tom J. See Geysen, H. Mario.
Matson, Pamela A. See Vitousek, Peter M.
Matthews, Brian W. See Tronrud, Dale E.
Mauron, A. See Barkas, T.
May, Lester T. See Sehgal, Pravinkumar B.
McBride, O. Wesley. See Goldgaber, Dmitry.
McCann, Samuel M. See Lumpkin, Michael D.
McDonagh, Antony F. See Stocker, Roland.
McDonald, Frank B.: Space research: at a crossroads. p751 13 Feb 1987.
McDonald, Gregory A.; Anacker, Robert L.; Garjian, Kareen: Cloned gene of *Rickettsia rickettsii* surface antigen: candidate vaccine for Rocky Mountain spotted fever. p83 2 Jan 1987.
McDonnell, Donald P.; Mangelsdorf, David J.; Pike, J. Wesley; Haussler, Mark R.; O'Malley, Bert W.: Molecular cloning of complementary DNA encoding the avian receptor for vitamin D. p1214 6 Mar 1987.
McGinnis, William. See Utset, Manuel F.
McGuire, William L. See Slamon, Dennis J.
McKee, Chris. See Mori, Jim.
McKinnon, W. R. See Tarascon, J. M.
McLaughlin, Jami. See Clark, Steven S.
McMenamin, Dianna Shulte. See McMenamin, Mark A. S.
McMenamin, Mark A. S.: Late Cretaceous atmospheric oxygen (letter). p1561 27 Mar 1987.
McNair, Harold M.: High-performance liquid chromatography, gas chromatography, and supercritical fluid chromatography (Guide). pG43 27 Feb 1987.
Mechanic, David: Homelessness (letter). p955 27 Feb 1987.
Mehta, Shashi. See Sharma, Surenda.
Mellor, John W. and Gavian, Sarah: Famine: causes, prevention, and relief. p539 30 Jan 1987.
Meng, R. L. See Chu, C. W.
Menyuk, Norman. See Killinger, Dennis K.
Miczek, Klaus A. and Weerts, Elise M.: Seizures in drug-treated animals (letter). p1127 6 Mar 1987.
Miles, Craig. See Buus, Soren.
Milhous, Wilbur K. See Martin, Samuel K.
Miller, Henry I. and Young, Frank E.: Recombinant DNA: international guidelines (letter). p14 2 Jan 1987.
Miller, Joel S. and Dixon, David A.: Dianion stabilization by $(M(C_5(CH_3)_5)_2)^+$: theoretical evidence for a localized ring in $(DDQ)^{2-}$. p871 20 Feb 1987.
Miller, L. Stephen. See Lewy, Alfred J.
Miller, Louis H. See Good, Michael F.
Miller, Richard J.: Multiple calcium channels and neuronal function. p46 2 Jan 1987.
Miller, Robert H.; Lasek, Raymond J.; Katz, Michael J.: Preferred microtubules for vesicle transport in lobster axons. p220 9 Jan 1987.
Minor, Iwona. See Luo, Ming.
Mitchell, Robert. See Schultz, Gregory S.
Mohandas, T. See Bartlett, R. J.
Molnar, Peter; Burchfiel, B. Clark; Zhao, Ziyun; Liang, K'uangyi; Wang, Shuji; Huang, Min-min: Geologic evolution of northern Tibet: results of an expedition to Ulugh Muztagh. p299 16 Jan 1987.
Monsieur, Rita. See Vassart, Gilbert.
Montfort, William R. See Hardy, Larry W.
Montgomery, John C. and Macdonald, John A.: Sensory tuning of lateral line receptors in Antarctic fish to the movements of planktonic prey. p195 9 Jan 1987.
Montgomery, William: review of *Controversy in Victorian Geology*, by James A. Secord. p490 23 Jan 1987.
Mooney, Harold A. See Ehrlich, Anne H.
Morgan, John. See Sharma, Surenda.
Morgan, Melissa M. See Parikh, Vandana S.
Morgan, Nelson H. See Gevins, Alan S.
Mori, Hiroshi; Kondo, Jun; Ihara, Yasuo: Ubiquitin is a component of paired helical filaments in Alzheimer's disease. p1641 27 Mar 1987.
Mori, Jim and McKee, Chris: Outward-dipping ring-fault structure at Rabaul caldera as shown by earthquake locations. p193 9 Jan 1987.
Moriarty-Schieven, G. H. See Huang, Y.-L.
Morimoto, M. See Levy, G. S.
Morin, Nancy R.: review of *Flora of the Great Plains*, by The Great Plains Flora Association. p800 13 Feb 1987.
Morse, Herbert C., III. See Potter, Michael.
Moss, Bernard. See Good, Michael F.
Mostow, G. D.: SDI research funds (letter). p15 2 Jan 1987.
Motoyoshi, Kazuo. See Wong, Gordon G.
Mueckler, Michael M. See Flier, Jeffrey S.
Mumford, J. L.; He, X. Z.; Chapman, R. S.; Cao, S. R.; Harris, D. B.; Li, X. M.; Xian, Y. L.; Jiang, W. Z.; Xu, C. W.; Chuang, J. C.; Wilson, W. E.; Cooke, M.: Lung cancer and indoor air pollution in Xuan Wei, China. p217 9 Jan 1987.
Murtha, Patricia. See Wong, Gordon G.
Mushinski, Elizabeth B. See Potter, Michael.
Mushinski, J. Frederic. See Potter, Michael.
Mutharia, Lucy M. See Gardiner, Peter R.
Myers, Richard H. See St George-Hyslop, Peter H.

N, O, P, and R

- Nadel, Lynn: review of *The Hippocampus*, edited by Robert L. Isaacson and Karl H. Pribram. p1682 27 Mar 1987.
Naderi, Hossein. See Marks, Cara Berman.
Naftolin, F. See Boyle, M. B.
Nakamura, Yusuke; Leppert, Mark; O'Connell, Peter; Wolff, Roger; Holm, Tom; Culver, Melanie; Martin, Cindy; Fujimoto, Esther; Hoff, Mark; Kumlin, Erika; White, Ray: Variable number of tandem repeat (VNTR) markers for human gene mapping. p1616 27 Mar 1987.
Nakanishi, Koji. See Tomasz, Maria.
Narayanamurti, V.: Artificially structured thin-film materials and interfaces. p1023 27 Feb 1987.
Nathan, David G.: review of *Megakaryocyte Development and Function*, edited by Richard F. Levine, Neil Williams, Jack Levin, and Bruce L. Evatt. p96 2 Jan 1987.
Nathanson, James A. See Steardo, Luca.
Nathanson, Neal. See Sundin, Daniel R.
Nee, Linda. See St George-Hyslop, Peter H.
Neve, Rachael L. See Tanzi, Rudolph E.
Nicole, Annie. See Delabar, Jean-Maurice.
Noguchi, Philip. See Greiner, John W.
Norman, Colin (news): Academy panel blasts U.S. export controls. p424 23 Jan 1987. Budget details released. p628 6 Feb 1987. Comings and goings. p159 9 Jan 1987. Comings and goings. p630 6 Feb 1987. The conventional look of near-term SDI. p278 16 Jan 1987. Crises and nuclear control. p1135 6 Mar 1987. The dark side of SDI. p962 27 Feb 1987. Debate over SDI enters new phase. p277 16 Jan 1987. A dispute over Soviet ABM plans. p524 30 Jan 1987. Expanding deserts, shrinking resources. p963 27 Feb 1987. New look for House committee. p629 6 Feb 1987. Nuclear tests defended. p963 27 Feb 1987. Science budget: more of the same. p151 9 Jan 1987. Soviet Union accused of treaty violations. p1456 20 Mar 1987. Technology study gets under way. p1570 27 Mar 1987. Trading charges over radars. p525 30 Jan 1987. Treaty compliance rated good. p839 20 Feb 1987. When Nunn speaks. . . . p1457 20 Mar 1987.

- Nunnermacker, L. J. *See* Dickerson, R. R.
O'Connell, Peter. *See* Nakamura, Yusuke.
O'Halloran, Thomas and Walsh, Christopher: Metalloregulatory DNA-binding protein encoded by the *merR* gene: isolation and characterization. p211 9 Jan 1987.
O'Malley, Bert W. *See* McDonnell, Donald P.
Oduola, Ayo M. J. *See* Martin, Samuel K.
Oja, Erkki. *See* Kohonen, Teuvo.
Oplatka, Avraham. *See* Yuli, Itzhak.
Oreland, L. *See* Fowler, J. S.
Oriens, Gordon H.: review of *Are Australian Ecosystems Different?*, edited by J. R. Dodson and M. Westoby. p226 9 Jan 1987.
Overbeek, Paul A. *See* Mahon, Kathleen A.
Pagan, Susan. *See* Tanzi, Rudolph E.
Palm, Gunther: Computing with neural networks (technical comment). p1227 6 Mar 1987.
Palmenberg, Ann C. *See* Luo, Ming.
Parikh, Vandana S.; Morgan, Melissa M.; Scott, Rose; Clements, L. Scott; Butow, Ronald A.: The mitochondrial genotype can influence nuclear gene expression in yeast. p576 30 Jan 1987.
Parslow, Tristram G.; Jones, Susan Dana; Bond, Barbara; Yamamoto, Keith R.: The immunoglobulin octanucleotide: independent activity and selective interaction with enhancers. p1498 20 Mar 1987.
Patterson, David. *See* Tanzi, Rudolph E.
Paul, Aranjaniyil K.; Marala, Ravi B.; Jaiswal, Rama Kant; Sharma, Rameshwar K.: Coexistence of guanylate cyclase and atrial natriuretic factor receptor in a 180-kD protein. p1224 6 Mar 1987.
Paul, Steven M. *See* Suzdak, Peter D.
Pawlak, Jan. *See* Tomasz, Maria.
Pearson, Terry W. *See* Gardiner, Peter R.
Pedersen, Niels C.; Ho, Esther W.; Brown, Marlo L.; Yamamoto, Janet K.: Isolation of a T-lymphotropic virus from domestic cats with an immunodeficiency-like syndrome. p790 13 Feb 1987.
Peebles, P. J. E.: review of *Inner Space/Outer Space*, edited by Edward W. Kolb *et al.* p372 16 Jan 1987.
Peffer, Nancy J. *See* Greene, Warner C.
Pelicci, Pier-Giuseppe. *See* Barletta, Cosimo.
Pericak-Vance, M. A. *See* Bartlett, R. J.
Pernick, Martin S.: review of *The Therapeutic Perspective*, by John Harley Warner. p1521 20 Mar 1987.
Perron, Charles: review of *Waiting for Disaster*, by Ralph H. Turner, Joanne M. Nigg, and Denise Heller Paz. p94 2 Jan 1987.
Pestka, Sidney. *See* Greiner, John W.
Peterman, Randall M. and Bradford, Michael J.: Wind speed and mortality rate of a marine fish, the northern anchovy (*Engraulis mordax*). p354 16 Jan 1987.
Peterson, John I.: Laboratory experimentation with a personal computer (Guide). pG162 27 Feb 1987.
Peto, Richard: Saturated fat avoidance (letter). p1562 27 Mar 1987.
Petsko, Gregory A. *See* Brünger, Axel T. (p1049).
Phelan, P. Larry and Baker, Thomas C.: Evolution of male pheromones in moths: reproductive isolation through sexual selection? p205 9 Jan 1987.
Piacentini, Silva. *See* St George-Hyslop, Peter H.
Piatigorsky, Joram. *See* Mahon, Kathleen A.
Pickering, K. E. *See* Dickerson, R. R.
Pike, J. Wesley. *See* McDonnell, Donald P.
Pilchik, Ely E.: Science unfettered (letter). p523 30 Jan 1987.
Pitts, Ferris N., Jr. *See* Allen, Allen D.
Podlisny, Marcia B. *See* Selkoe, Dennis J.
Polinsky, Ronald J. *See* St George-Hyslop, Peter H.
Pollen, Daniel. *See* St George-Hyslop, Peter H.
Potter, Michael; Mushinski, J. Frederic; Mushinski, Elizabeth B.; Brust, Susan; Wax, Judith S.; Wiener, Francis; Babonits, Magda; Rapp, Ulf R.; Morse, Herbert C., III: Avian *v-myc* replaces chromosomal translocation in murine plasmacytomagenesis. p787 13 Feb 1987.
Pratt, John: Basic research funding (letter). p1447 20 Mar 1987.
Preuss, Daphne. *See* Kaiser, Chris A.
Price, Donald L. *See* Selkoe, Dennis J.
Primi, Daniele. *See* Choquet, Daniel.
Purdie, D. A. *See* Ducklow, Hugh W.
Racker, Efraim: Structure, function, and assembly of membrane proteins. p959 27 Feb 1987.
Raghavachari, Krishnan. *See* Brown, W. L.
Ramos, Juan L.; Wasserfallen, Alain; Rose, Keith; Timmis, Kenneth N.: Redesigning metabolic routes: manipulation of TOL plasmid pathway for catabolism of alkylbenzoates. p593 30 Jan 1987.
Rapp, Ulf R. *See* Potter, Michael.
Ray, J. D. *See* Dickerson, R. R.
Rebek, Julius, Jr.: Model studies in molecular recognition. p1478 20 Mar 1987.
Reed, Randall R. *See* Lee, Kyu-Ho.
Regan, Lynne; Bowie, James; Schimmel, Paul: Polypeptide sequences essential for RNA recognition by an enzyme. p1651 27 Mar 1987.
Regelson, William: Growth hormone use (letter). p14 2 Jan 1987.
Reibnegger, Gilbert. *See* Fuchs, Dietmar.
Reiner, David S. *See* Gillin, Frances D.
Reinhold, Brian: Weather regimes: the challenge in extended-range forecasting. p437 23 Jan 1987.
Reis, Donald J. *See* Saji, Makoto.
Retallack, Gregory J. and Feakes, Carolyn R.: Trace fossil evidence for Late Ordovician animals on land. p61 2 Jan 1987.
Rettenmeier, Albert W. *See* Rettie, Allan E.
Rettie, Allan E.; Rettenmeier, Albert W.; Howald, William N.; Baillie, Thomas A.: Cytochrome P-450-catalyzed formation of Δ^4 -VPA, a toxic metabolite of valproic acid. p890 20 Feb 1987.
Reuter, C. C. *See* Laufer, H.
Rhodes, J. Michael. *See* Tilling, Robert I.
Ricklefs, Robert E.: Community diversity: relative roles of local and regional processes. p167 9 Jan 1987.
Riedel, Nora; Wolin, Sandra; Guthrie, Christine: A subset of yeast snRNA's contains functional binding sites for the highly conserved Sm antigen. p328 16 Jan 1987.
Roberts, Shauna S.: The Red Queen and the new *Guide* (Guide). pG4 27 Feb 1987.
Robinson, Arthur L. (news): Bright synchrotron sources evolve. p841 20 Feb 1987. Free electron laser success explained. p29 2 Jan 1987. Materials scientists seek a unified voice. p161 9 Jan 1987. Record high-temperature superconductors claimed. p531 30 Jan 1987. A 16-megabit memory chip from Japan. p1324 13 Mar 1987. A superconductivity happening. p1571 27 Mar 1987. Superconductor claim raised to 94 K. p1137 6 Mar 1987. Values of fundamental constants adjusted. p633 6 Feb 1987.
Robinson, Lucy C.; Gibbs, Jackson B.; Marshall, Mark S.; Sigal, Irving S.; Tatchell, Kelly: CDC25: a component of the RAS-adenylate cyclase pathway in *Saccharomyces cerevisiae*. p1218 6 Mar 1987.
Rodda, Stuart J. *See* Getzoff, Elizabeth D. *See also* Geysen, H. Mario.
Rose, Keith. *See* Ramos, Juan L.
Rosen, Craig A. *See* Greene, Warner C.
Rosen, Michael R. and Hoffman, Brian F.: NIH fraud guidelines (letter). p1561 27 Mar 1987.
Rosen, Ora M. *See* Birnbaum, Morris J.
Rosenstein, Jeffrey M.: Neocortical transplants in the mammalian brain lack a blood-brain barrier to macromolecules. p772 13 Feb 1987.
Roses, A. D. *See* Bartlett, R. J.
Rosin, R.: Rejection and revolution (letter). p16 2 Jan 1987.
Ross, D. *See* Bartlett, R. J.
Rossant, J. *See* Goring, D. R.
Rossi, Peter H.; Wright, James D.; Fisher, Gene A.; Willis, Georgianna: The urban homeless: estimating composition and size. p1336 13 Mar 1987.
Rossmann, Michael G. *See* Luo, Ming.
Roth, B. *See* Barkas, T.
Roughgarden, Jonathan. *See* Gaines, Steven D.
Rowe, James W. *See* Abelson, Philip H.
Roxlo, C. B.; Deckman, H. W.; Gland, J.; Cameron, S. D.; Chianelli, R. R.: Edge surfaces in lithographically textured molybdenum disulfide. p1629 27 Mar 1987.
Roy, Della M.: New strong cement materials: chemically bonded ceramics. p651 6 Feb 1987.
Ruddle, Frank H. *See* Utset, Manuel F.

S

- Sachs, H. *See* Fowler, J. S.
Sack, Robert L. *See* Lewy, Alfred J.
Saffiotti, Umberto. *See* Goldgaber, Dmitry.
Saito, Minoru. *See* Wong, Gordon G.
Saji, Makoto and Reis, Donald J.: Delayed transneuronal death of substantia nigra neurons prevented by γ -aminobutyric acid agonist. p66 2 Jan 1987.
Salmon, Denise. *See* St George-Hyslop, Peter H.
Samson, Willis K. *See* Lumpkin, Michael D.
Sanderson, Sam: Textbook controversy (letter). p955 27 Feb 1987.
Sanford, Robert L., Jr.: Apogeotropic roots in an Amazon rain forest. p1062 27 Feb 1987.
Santi, Daniel V. *See* Hardy, Larry W.
Sarhou, Pierre. *See* Choquet, Daniel.
Sauch, Judith F. *See* Gillin, Frances D.
Saunders, Anne. *See* Laurence, Jeffrey.
Schaefer, Jacob; Kramer, Karl J.; Garbow, Joel R.; Jacob, Gary S.; Stejskal, Edward O.; Hopkins, Theodore L.; Speirs, Roy D.: Aromatic cross-links in insect cuticle: detection by solid-state ^{13}C and ^{15}N NMR. p1200 6 Mar 1987.
Schertzer, D. *See* Lovejoy, S.
Schimmel, Paul. *See* Regan, Lynne.
Schlom, Jeffrey. *See* Greiner, John W.
Schlüter, M. *See* Brown, W. L.
Schlyer, D. *See* Fowler, J. S.
Schnathorst, William C. *See* Karban, Richard.
Scholz, Kenneth P. and Byrne, John H.: Long-term sensitization in *Aplysia*: biophysical correlates in tail sensory neurons. p685 6 Feb 1987.
Schooley, D. A. *See* Laufer, H.
Schooley, Robert T. *See* Vogt, Markus W.
Schotz, Michael C. *See* Wion, Karen L.
Schultz, Gregory S.; White, Michael; Mitchell, Robert; Brown, Gregory; Lynch, Jenny; Twardzik, Daniel R.; Todaro, George J.: Epithelial wound healing enhanced by transforming growth factor- α and vaccinia growth factor. p350 16 Jan 1987.
Schulz, Thomas. *See* Fuchs, Dietmar.
Schwartz, Jeffrey: review of *Organotransition Metal Chemistry*, by Akio Yamamoto. p1410 13 Mar 1987.
Schwartz, Rochelle D. *See* Suzdak, Peter D.
Scott, Rose. *See* Parikh, Vandana S.
Scraha, Douglas G. *See* Luo, Ming.
Seguin, Carl and Hamer, Dean H.: Regulation in vitro of metallothionein gene binding factors. p1383 13 Mar 1987.
Sehgal, Pravinkumar B.; May, Lester T.; Tamm,

- Igor, Vilček, Jan: Human β_2 interferon and B-cell differentiation factor BSF-2 are identical. p731 13 Feb 1987.
- Seitz, Russell: Nuclear winter debate (letter). p832 20 Feb 1987.
- Selkoe, Dennis J.; Bell, Douglas S.; Podlisny, Marcia B.; Price, Donald L.; Cork, Linda C.: Conservation of brain amyloid proteins in aged mammals and humans with Alzheimer's disease. p873 20 Feb 1987.
- Sepkoski, J. John, Jr.: Environmental trends in extinction during the Paleozoic. p64 2 Jan 1987.
- Sette, Alessandro. See Buus, Soren. See also Guillet, Jean-Gerard.
- Shah, Neil P. See Kitado, Haruo. See also Wachsmann, William.
- Shanks, Alan L.: The onshore transport of an oil spill by internal waves. p1198 6 Mar 1987.
- Sharma, Rameshwar K. See Paul, Aranjaniyil K.
- Sharma, Surenda; Mehta, Shashi; Morgan, John; Maizel, Abby: Molecular cloning and expression of a human B-cell growth factor gene in *Escherichia coli*. p1489 20 Mar 1987.
- Sharp, Phillip A.: Splicing of messenger RNA precursors. p766 13 Feb 1987.
- Sharples, Frances E.: Regulation of products from biotechnology. p1329 13 Mar 1987.
- Sherman, Barry M.: Growth hormone use (letter). p14 2 Jan 1987.
- Sherr, Barry F. See Sherr, Evelyn B.
- Sherr, Evelyn B.; Sherr, Barry F.; Albright, Lawrence J.: Bacteria: link or sink? (technical comment). p88 2 Jan 1987.
- Shew, Jin-Yuh. See Lee, Wen-Hwa.
- Shiller, Robert J.: The volatility of stock market prices. p33 2 Jan 1987.
- Shimotohno, Kunitada. See Kitado, Haruo.
- Shiomi, T. See Levy, G. S.
- Sibley, Barbara S. See Wong, Gordon G.
- Sigal, Irving S. See Robinson, Lucy C.
- Silsbee, Robert H.: Berry's phase: other observations (letter). p523 30 Jan 1987.
- Silver, Jerry. See Mahowald, Mary B.
- Simkin, Susan M.; van Gorkom, Jacqueline; Hibbard, John; Su, Hong-Jun: Markarian 348: a tidally disturbed Seyfert galaxy. p1367 13 Mar 1987.
- Simon, Melvin I. See Bruist, Michael F.
- Simon, William: Public school teaching: an alternative (letter). p267 16 Jan 1987.
- Sinclair, Rolf M.: Moonlight and circadian rhythms (letter). p145 9 Jan 1987.
- Sinet, Pierre-Marie. See Delabar, Jean-Maurice.
- Singh, U. Chandra. See Bash, Paul A.
- Sinkus, M. See Laufer, H.
- Skolnick, Phil. See Suzdak, Peter D.
- Sladek, John R., Jr. See Mahowald, Mary B.
- Slamon, Dennis J. See Wachsmann, William.
- ; Clark, Gary M.; Wong, Steven G.; Levin, Wendy J.; Ullrich, Axel; McGuire, William L.: Human breast cancer: correlation of relapse and survival with amplification of the HER-2/*neu* oncogene. p177 9 Jan 1987.
- Slinn, W. G. N. See Dickerson, R. R.
- Sloviter, Robert S.: Decreased hippocampal inhibition and a selective loss of interneurons in experimental epilepsy. p73 2 Jan 1987.
- Smith, Andrew B.: review of *Phylogeny Reconstruction in Paleontology*, by Robert M. Schoch. p696 6 Feb 1987.
- Smith, Cassandra L. See Lawrence, Simon K.
- Smith, Geoffrey L. See Good, Michael F.
- Smith, John A. See Guillet, Jean-Gerard.
- Smith, Lloyd M.: Automated DNA sequence analysis (Guide). pG89 27 Feb 1987.
- Smith, M. See Fowler, J. S.
- Smith, Martyn T.: Quantitative risk aspects of "Woburn case" (letter). p144 9 Jan 1987.
- Smith, Richard A.; Alexander, Richard B.; Wolman, M. Gordon: Water quality trends in the nation's rivers. p1607 27 Mar 1987.
- Smith, Stephen D. See Barletta, Cosimo.
- Sodroski, Joseph G. See Greene, Warner C.
- Sofia, Sabatino. See Chan, Kwing L.
- Sorbi, Sandro. See St George-Hyslop, Peter H.
- Soter, Steven: SDI survey (letter). p831 20 Feb 1987.
- Souza, Larry. See Wachsmann, William.
- Spaepen, Frans: The art and science of microstructural control. p1010 27 Feb 1987.
- Sparkes, Robert S.: review of *The Consequences of Chromosome Imbalance*, by Charles J. Epstein. p916 20 Feb 1987.
- Sparks, Joel W. See Tilling, Robert I.
- Speirs, Roy D. See Schaefer, Jacob.
- Spring, K. B. See Strange, K.
- Srivastava, Rakesh. See Lawrence, Simon K.
- St George-Hyslop, Peter. See Tanzi, Rudolph E.
- ; Tanzi, Rudolph E.; Polinsky, Ronald J.; Haines, Jonathan L.; Nee, Linda; Watkins, Paul C.; Myers, Richard H.; Feldman, Robert G.; Pollen, Daniel; Drachman, David; Growdon, John; Bruni, Amalia; Foncin, Jean-Francois; Salmon, Denise; Frommelt, Peter; Amaducci, Luigi; Sorbi, Sandro; Piacentini, Silva; Stewart, Gordon D.; Hobbs, Wendy J.; Conneally, P. Michael; Gusella, James F.: The genetic defect causing familial Alzheimer's disease maps on chromosome 21. p885 20 Feb 1987.
- Stachel, Scott E. See Wang, Kan.
- Stälnacke, C.-G. See Fowler, J. S.
- Staples, Richard C. See Hoch, Harvey C.
- Steardo, Luca and Nathanson, James A.: Brain barrier tissues: end organs for atriopeptins. p470 23 Jan 1987.
- Stedman, D. H. See Dickerson, R. R.
- Steitz, Thomas A. See Bruist, Michael F.
- Stejskal, Edward O. See Schaefer, Jacob.
- Stephano, José Luis. See Gould, Meredith.
- Stern, D. F.; Hare, D. L.; Cecchini, M. A.; Weinberg, R. A.: Construction of a novel oncogene based on synthetic sequences encoding epidermal growth factor. p321 16 Jan 1987.
- Stevens, J. G.; Wagner, E. K.; Devi-Rao, G. B.; Cook, M. L.; Feldman, L. T.: RNA complementarity to a herpesvirus α gene mRNA is prominent in latently infected neurons. p1056 27 Feb 1987.
- Stewart, Gordon D. See St George-Hyslop, Peter H.
- Stewart, Walter W. and Feder, Ned: Research practices (letter). p146 9 Jan 1987.
- Stocker, Roland; Yamamoto, Yorihiro; McDonagh, Antony F.; Glazer, Alexander N.; Ames, Bruce N.: Bilirubin is an antioxidant of possible physiological importance. p1043 27 Feb 1987.
- Stone, M.: review of *The History of Statistics*, by Stephen M. Stigler, and *The Rise of Statistical Thinking, 1820-1900*, by Theodore M. Porter. p1262 6 Mar 1987.
- Stone, Robert G.: review of *Solar Radiophysics*, edited by D. J. McLean and N. R. Labrum. p800 13 Feb 1987.
- Strange, K. and Spring, K. B.: Absence of significant cellular dilution during ADH-stimulated water reabsorption. p1068 27 Feb 1987.
- Stroud, Robert M. See Hardy, Larry W.
- Su, Hong-Jun. See Simkin, Susan M.
- Sundin, Daniel R.; Beatty, Barry J.; Nathanson, Neal; Gonzalez-Scarano, Francisco: A G1 glycoprotein epitope of La Crosse virus: a determinant of infection of *Aedes triseriatus*. p591 30 Jan 1987.
- Suzdak, Peter D.; Glowa, John R.; Crawley, Jacqueline N.; Schwartz, Rochelle D.; Skolnick, Phil; Paul, Steven M.: Seizures in drug-treated animals (letter). p1127 6 Mar 1987.
- Svetlik, Penny B. See Greene, Warner C.

T-V

- Tainer, John A. See Getzoff, Elizabeth D. See also Geysen, H. Mario.
- Taintor, Read R. See Hibbs, John B., Jr.
- Takaku, Fuminaro. See Wong, Gordon G.
- Takano, Bokuichiro: Correlation of volcanic activity with sulfur oxyanion speciation in crater lake. p1633 27 Mar 1987.
- Tamm, Igor. See Schgal, Pravinkumar B.
- Tank, David W. See Hopfield, John J.
- Tanzi, Rudolph E. See St George-Hyslop, Peter H.
- ; Gusella, James F.; Watkins, Paul C.; Bruns, Gail A. P.; St George-Hyslop, Peter; Van Keuren, Margaret L.; Patterson, David; Pagan, Susan; Kurnit, David M.; Neve, Rachael L.: Amyloid β protein gene: cDNA, mRNA distribution, and genetic linkage near the Alzheimer locus. p880 20 Feb 1987.
- Tarascon, J. M.; Greene, L. H.; McKinnon, W. R.; Hull, G. W.; Geballe, T. H.: Superconductivity at 40 K in the oxygen-defect perovskites $\text{La}_{2-x}\text{Sr}_x\text{CuO}_{4-y}$. p1373 13 Mar 1987.
- Tatchell, Kelly. See Robinson, Lucy C.
- Taylor, Michael E.: review of *The Burgess Shale*, by Harry B. Whittington. p94 2 Jan 1987.
- Teeri, James A.: review of *On the Economy of Plant Form and Function*, edited by Thomas J. Givnish. p1523 20 Mar 1987.
- Teeter, Martha M. See Brünger, Axel T. (p1049).
- Temple, Patricia A. See Wong, Gordon G.
- Teyler, Timothy J.: review of *Synapses, Circuits, and the Beginnings of Memory*, by Gary Lynch with commentaries by Gordon M. Shepherd, Ira B. Black, and Herbert P. Killackey. p492 23 Jan 1987.
- Thibault, M.-C. See Bartlett, R. J.
- Tienda, Marta. See Borjas, George J.
- Tilghman, Shirley M. See Hammer, Robert E.
- Tilling, Robert I.; Rhodes, J. Michael; Sparks, Joel W.; Lockwood, John P.; Lipman, Peter W.: Disruption of the Mauna Loa magma system by the 1868 Hawaiian earthquake: geochemical evidence. p196 9 Jan 1987.
- Timmerman, Benedikt. See Wang, Kan.
- Timmis, Kenneth N. See Ramos, Juan L.
- Todaro, George J. See Schultz, Gregory S.
- Tomasz, Maria; Lipman, Roselyn; Chowdary, Dondapati; Pawlak, Jan; Verdine, Gregory L.; Nakanishi, Koji: Isolation and structure of a covalent cross-link adduct between mitomycin C and DNA. p1204 6 Mar 1987.
- Topoff, Howard: Universe creation (letter). p1447 20 Mar 1987.
- Towe, Kenneth M.: Earth's early atmosphere (letter). p415 23 Jan 1987.
- Travis, Joseph: review of *Ecology and Natural History of Desert Lizards*, by Eric R. Pianka. p492 23 Jan 1987.
- Tronrud, Dale E.; Holden, Hazel M.; Matthews, Brian W.: Structures of two thermolysin-inhibitor complexes that differ by a single hydrogen bond. p571 30 Jan 1987.
- Tsai, L. W. See Laufer, H.
- Tsonis, A. A. See Lovejoy, S.
- Tsui, L.-C. See Goring, D. R.
- Tucker, Compton J. See Linthicum, Kenneth J.
- Turner, Katherine J. See Wong, Gordon G.
- Turner, R. Steven: review of *From Knowledge to Power*, by Harry W. Paul, and *Science in the Provinces*, by Mary Jo Nye. p1408 13 Mar 1987.
- Twardzik, Daniel R. See Schultz, Gregory S.
- Tzartos, S. J. See Barkas, T.

- Ullrich, Axel. *See* Slamon, Dennis J.
 Usher, Patricia. *See* Flier, Jeffrey S.
 Utset, Manuel F.; Awgulewitsch, Alexander; Ruddle, Frank H.; McGinnis, William: Region-specific expression of two mouse homeo box genes. p1379 13 Mar 1987.
 Vaessen, Ruud T. M. J.; Houweling, Ada; van der Eb, Alex J.: Post-transcriptional control of class I MHC mRNA expression in adenovirus 12-transformed cells. p1486 20 Mar 1987.
 Vail, Peter R. *See* Haq, Bilal U.
 Vance, Richard R.: review of *Population Biology and Evolution of Clonal Organisms*, edited by Jeremy B. C. Jackson, Leo W. Buss, and Robert E. Cook. p1264 6 Mar 1987.
 van der Eb, Alex J. *See* Vaessen, Ruud T. M. J.
 Vande Woude, George F. *See* Collins, Francis S.
 van Gorkom, Jacqueline. *See* Simkin, Susan M.
 Van Keuren, Margaret L. *See* Tanzi, Rudolph E.
 Van Montagu, Marc. *See* Wang, Kan.
 Vassart, Gilbert; Georges, Michel; Monsieur, Rita; Brocas, Huguette; Lequarre, Anne Sophie; Christophe, Daniel: A sequence in M13 phage detects hypervariable minisatellites in human and animal DNA. p683 6 Feb 1987.
 Vaughan, John H. *See* Lotz, Martin.
 Vavrin, Zdenek. *See* Hibbs, John B., Jr.
 Vedeckis, Wayne V. *See* Ali, Masarrat.
 Verdine, Gregory L. *See* Tomasz, Maria.
 Vilček, Jan. *See* Sehgal, Pravinkumar B.
 Vitousek, Peter M.; Ehrlich, Paul R.; Ehrlich, Anne H.; Matson, Pamela A.: Net primary production: original calculations (letter). p730 13 Feb 1987.
 Vitz, Paul C.: Textbook controversy (letter). p955 27 Feb 1987.
 Vogl, Thomas P.: U.S. management and productivity (letter). p416 23 Jan 1987.
 Vogt, Markus W.; Hartshorn, Kevan L.; Furman, Phillip A.; Chou, Ting-Chao; Fyfe, James A.; Coleman, Leslie A.; Crumpacker, Clyde; Schooley, Robert T.; Hirsch, Martin S.: Ribavirin antagonizes the effect of azidothymidine on HIV replication. p1376 13 Mar 1987.
 Vriend, Gerrit. *See* Luo, Ming.
- ### W-Z
- Wachsman, William; Cann, Alan J.; Williams, Janice L.; Slamon, Dennis J.; Souza, Larry; Shah, Neil P.; Chen, Irvin S.: HTLV *x* gene mutants exhibit novel transcriptional regulatory phenotypes. p674 6 Feb 1987.
 Wachtel, Ruth E.: Personal bibliographic databases. p1093 27 Feb 1987.
 Wachter, Helmut. *See* Fuchs, Dietmar.
 Wagner, E. K. *See* Stevens, J. G.
 Waldrop, M. Mitchell (news): Boland, NASA at odds over launch of Mars Observer. p743 13 Feb 1987. Company offers to buy NASA a rocket. p1568 27 Mar 1987. A crisis in space research. p426 23 Jan 1987. Do-it-yourself universes. p845 20 Feb 1987. Exploring the Lyman-alpha forest. p284 16 Jan 1987. Glimpses of solar systems in the making. p971 27 Feb 1987. Keeping current with cosmic strings. p283 16 Jan 1987. Landsat commercialization stumbles again. p155 9 Jan 1987. Luminous arcs dwarf the galaxies. p631 6 Feb 1987. NASA announces a plan to reform management practices. p275 16 Jan 1987. New variables for quantum gravity. p284 16 Jan 1987. Possible first hints of double beta decay. p534 30 Jan 1987. Sighting of a supernova. p1142 6 Mar 1987. Space station cost estimates double. p965 27 Feb 1987. Supernova neutrinos at IMB. p1461 20 Mar 1987. The Supernova 1987A shows a mind of its own—and a burst of neutrinos. p1322 13 Mar 1987.
 Walsh, Christopher. *See* O'Halloran, Thomas.
 Walsh, John (news): Academy to drop *Issues* quarterly. p968 27 Feb 1987. Berkeley changes tack on reactor. p273 16 Jan 1987. Feerst in close call. p26 2 Jan 1987. Human trials begin for malaria vaccine. p1319 13 Mar 1987. New newsletter. p1136 6 Mar 1987. NSF goes to Congress with plans for growth. p1458 20 Mar 1987. NSF to formulate 5-year plan, budget. p967 27 Feb 1987. Peer review—oops—merit review in for some changes at NSF. p153 9 Jan 1987. Science gets short end in foreign aid funding. p742 13 Feb 1987. Science policy programs progress. p1320 13 Mar 1987. Stanford branches out. p26 2 Jan 1987. Use of Berkeley reactor questioned on military-related research. p23 2 Jan 1987. U.S.-Japan study aim is education reform. p274 16 Jan 1987. (letter): Teacher certification program under way p838 20 Feb 1987.
 Walters, LeRoy. *See* Mahowald, Mary B.
 Wang, Kan; Stachel, Scott E.; Timmerman, Benedikt; Van Montagu, Marc; Zambryski, Patricia C.: Site-specific nick in the T-DNA border sequence as a result of *Agrobacterium vir* gene expression. p587 30 Jan 1987.
 Wang, Shuji. *See* Molnar, Peter.
 Wang, Zhen-Ru: Two gamma-ray sources and ancient guest stars. p1485 20 Mar 1987.
 Wano, Yuji. *See* Greene, Warner C.
 Wassarman, Paul M.: The biology and chemistry of fertilization. p553 30 Jan 1987.
 Wasserfallen, Alain. *See* Ramos, Juan L.
 Watkins, Paul C. *See* St George-Hyslop, Peter H. *See also* Tanzi, Rudolph E.
 Watkins, Todd A.: Oil import fee? (letter). p522 30 Jan 1987.
 Wax, Judith S. *See* Potter, Michael.
 Webb, S. David: review of *Kadimakara*, edited by P. V. Rich and G. F. van Tets. p1408 13 Mar 1987.
 Weerts, Elise M. *See* Miczek, Klaus A.
 Weinberg, R. A. *See* Stern, D. F.
 Weiss, Serge. *See* Buxbaum, Robert E.
 Weissman, Myrna M.: Psychiatric diagnoses (letter). p522 30 Jan 1987.
 Weissman, Sherman M. *See* Lawrence, Simon K.
 Wells, Rebecca G. *See* Lee, Kyu-Ho.
 Weneser, Joseph. *See* Friedlander, Gerhart.
 ——— and Friedlander, Gerhart: Solar neutrinos: questions and hypotheses. p755 13 Feb 1987.
 Werner, Ernst R. *See* Fuchs, Dietmar.
 Werz, Mary Ann. *See* Grega, Debra S.
 Westheimer, F. H.: Why nature chose phosphates. p1173 6 Mar 1987.
 Westphal, Heiner. *See* Mahon, Kathleen A.
 White, Michael. *See* Schultz, Gregory S.
 White, Ray. *See* Nakamura, Yusuke.
 White, Raymond R.: Accuracy and truth (letter). p1447 20 Mar 1987.
 White, Roseann M. *See* Gevins, Alan S.
 Whitehead, Brian. *See* Hoch, Harvey C.
 Wickner, William. *See* Dalbey, Ross E.
 Wiener, Francis. *See* Potter, Michael.
 Wier, W. G.; Cannell, M. B.; Berlin, J. R.; Marban, E.; Lederer, W. J.: Cellular and subcellular heterogeneity of $[Ca^{2+}]_i$ in single heart cells revealed by fura-2. p325 16 Jan 1987.
 Williams, David A.; Becker, Peter L.; Fay, Fredric S.: Regional changes in calcium underlying contraction of single smooth muscle cells. p1644 27 Mar 1987.
 Williams, Janice L. *See* Wachsman, William.
 Williams, Jerry R.: Misuse of the freedom of information act (letter). p144 9 Jan 1987.
 Williams, P. J. LeB. *See* Ducklow, Hugh W.
 Willis, Georgianna. *See* Rossi, Peter H.
 Willows, A. O. Dennis. *See* Lohmann, Kenneth J.
 Wilson, W. E. *See* Mumford, J. L.
 Winter, Michael. *See* Yip, Brandon.
 Wion, Karen L.; Kirchgessner, Todd G.; Lusis, Aldons J.; Schotz, Michael C.; Lawn, Richard M.: Human lipoprotein lipase complementary DNA sequence. p1638 27 Mar 1987.
 Wise, George: review of *Misunderstanding Media*, by Brian Winston. p490 23 Jan 1987.
 Witek-Giannotti, JoAnn. *See* Wong, Gordon G.
 Witte, Owen N. *See* Clark, Steven S.
 Wolf, A. P. *See* Fowler, J. S.
 Wolf, Edward D. *See* Hoch, Harvey C.
 Wolff, Charles L. and Hickey, John R.: Solar irradiance change and special longitudes due to *r*-modes. p1631 27 Mar 1987.
 Wolff, Roger. *See* Nakamura, Yusuke.
 Wolin, Sandra. *See* Riedel, Nora.
 Wolman, M. Gordon. *See* Smith, Richard A.
 Wong, Gordon G.; Temple, Patricia A.; Leary, Anne C.; Witek-Giannotti, JoAnn; Yang, Yu-Chung; Ciarletta, Agnes B.; Chung, Margaret; Murtha, Patricia; Kriz, Ronald; Kaufman, Randal J.; Ferenz, Catherine R.; Sibley, Barbara S.; Turner, Katherine J.; Hewick, Rodney M.; Clark, Steven C.; Yanai, Nobuya; Yokota, Hajime; Yamada, Muneo; Saito, Minoru; Motoyoshi, Kazuo; Takaku, Fuminaro: Human CSF-1: molecular cloning and expression of a 4-kb cDNA encoding the human urinary protein. p1504 20 Mar 1987.
 Wong, Steven G. *See* Slamon, Dennis J.
 Wrather, Joan: Association awards presented at Annual Meeting in Chicago (AAAS). p1230 6 Mar 1987.
 Wright, James D. *See* Rossi, Peter H.
 Wunderlich, Annette. *See* Gillin, Frances D.
 Wyatt, Richard Jed and DeRenzo, Evan: Homelessness (letter). p956 27 Feb 1987.
 Xian, Y. L. *See* Mumford, J. L.
 Xu, C. W. *See* Mumford, J. L.
 Yaari, Yoel; Hamon, Brigitte; Lux, Hans D.: Development of two types of calcium channels in cultured mammalian hippocampal neurons. p680 6 Feb 1987.
 Yamada, Muneo. *See* Wong, Gordon G.
 Yamada, T. *See* Levy, G. S.
 Yamamoto, Janet K. *See* Pedersen, Niels C.
 Yamamoto, Keith R. *See* Parslow, Tristram G.
 Yamamoto, Yoshihiro. *See* Stocker, Roland.
 Yamaoka, L. *See* Bartlett, R. J.
 Yanai, Nobuya. *See* Wong, Gordon G.
 Yang, Yu-Chung. *See* Wong, Gordon G.
 Yatani, Atsuko; Codina, Juan; Brown, Arthur M.; Birnbaumer, Lutz: Direct activation of mammalian atrial muscarinic potassium channels by GTP regulatory protein G_k . p207 9 Jan 1987.
 Yip, Brandon; Lam, Joseph K.; Winter, Michael; Long, Marshall B.: Time-resolved three-dimensional concentration measurements in a gas jet. p1209 6 Mar 1987.
 Yokota, Hajime. *See* Wong, Gordon G.
 Young, Craig M.: Novelty of "supply-side ecology" (letter). p415 23 Jan 1987.
 Young, Donn C.: Viewing stereo drawings (letter). p623 6 Feb 1987.
 Young, Frank E. *See* Miller, Henry I.
 Young, Lih-Jiuan. *See* Lee, Wen-Hwa.
 Yuli, Itzhak and Oplatka, Avraham: Cytosolic acidification as an early transducing signal of human neutrophil chemotaxis. p340 16 Jan 1987.
 Zambryski, Patricia C. *See* Wang, Kan.
 Zeitlin, Gerald M. *See* Gevins, Alan S.
 Zhao, Ziyun. *See* Molnar, Peter.
 Zimmerman, P. R. *See* Dickerson, R. R.
 Zraket, C. A.: Uncertainties in building a strategic defense. p1600 27 Mar 1987.