
SCIENCE

Author Index to Volume 205

July–September 1979

Editorial Board

RICHARD E. BALZHISER
WALLACE S. BROECKER
E. PETER GEIDUSCHEK
WARD GOODENOUGH
N. BRUCE HANNAY
MARTIN J. KLEIN
FRANKLIN A. LONG
CLEMENT L. MARKERT

NEAL E. MILLER
FRANK W. PUTNAM
BRYANT W. ROSSITER
VERA C. RUBIN
MAXINE F. SINGER
PAUL E. WAGGONER
F. KARL WILLENBROCK
JEFFREY J. WINE

WILLIAM D. CAREY
Publisher

HANS NUSSBAUM
Business Manager

PHILIP H. ABELSON
Editor

EARL J. SCHERAGO, *Advertising Director*

Published by the

American Association for the Advancement of Science

1515 Massachusetts Avenue, NW, Washington, D.C. 20005

Printed in Richmond, Virginia, by William Byrd Press

Copyright 1979 by the American Association for the Advancement of Science

A

Abbott, Elsa A. See Phillips, Roger J.
 Abelson, Philip H. (editorials): Education for the 21st century. v205 p1087 14 Sep 79. International oil prices. v205 p449 3 Aug 79. National Science Foundation. v205 p857 31 Aug 79. Progress on many energy fronts. v205 p1211 21 Sep 79. Synthetic chemicals in South Africa. v205 p649 17 Aug 79. Venus. v205 p9 6 July 79.
 Abou-Donia, Mohamed B.: Delayed neurotoxicity of phenylphosphonothioate esters. v205 p713-715 17 Aug 79.
 Ache, Barry W. See Schmitt, Brian C.
 Adams, Daniel B.: The cheetah: native American. v205 p1155-1158 14 Sep 79.
 Ahern, Sylvia and Beatty, Jackson: Pupillary responses during information processing vary with scholastic aptitude test scores. v205 p1289-1292 21 Sep 79.
 Ahmed, Khalil. See Fullerton, Dwight S.
 Alkon, Daniel L.: Voltage-dependent calcium and potassium ion conductances: a contingency mechanism for an associative learning model. v205 p810-816 24 Aug 79.
 Alter, Harvey J. See Shimizu, Yohko K.
 Alving, Carl R.; Schneider, Imogene; Swartz, Glenn M., Jr.; Steck, Edgar A.: Sporozoite-induced malaria: therapeutic effects of glycolipids in liposomes. v205 p1142-1144 14 Sep 79.
 Ames, Bruce N. See Hooper, N. Kim.
 Amir, Shimon; Blair, Richard; Shizgal, Peter; Amit, Zalman: Dual mechanism mediating opiate effects? (technical comment). v205 p424-425 27 July 79.
 Amit, Zalman. See Amir, Shimon.
 Anderson, R. G. W.: review of *Neptune's Gift*, by Robert P. Multhauf. v205 p778 24 Aug 79.
 Anfinsen, Christian B.; Chamberlain, Owen; Delbrück, Max; Flory, Paul J.; McMillan, Edwin M.: Scientific ties and human rights (letter). v205 p854-855 31 Aug 79.
 Angilello, J. See McCorkle, R.
 Anisfeld, Moshe: Interpreting "imitative" responses in early infancy (technical comment). v205 p214-215 13 July 79.
 Anisman, Hymie. See Sklar, Lawrence S.
 Anlyan, William G.; Gillin, Christian; Solomon, Fredric: Sleeping pills and insomnia (letter). v205 p6 6 July 79.
 Arber, Werner: Promotion and limitation of genetic exchange. v205 p361-365 27 July 79.
 Archer, J. A. See Robinson, T. J.
 Archibald, David. See Cho-Chung, Yoon Sang.
 Armstrong, J. W. See Woo, Richard.
 Arnaud, Philippe. See Chapuis-Cellier, Colette.
 Arnold, Arthur P. and Saltiel, Albert: Sexual difference in pattern of hormone accumulation in the brain of a songbird. v205 p702-705 17 Aug 79.
 Arp, Daniel J. See Benson, David R.
 Artega, R. N.; Poovaiah, B. W.; Smith, O. E.: Changes in carbon fixation, tuberization, and growth induced by CO₂ applications to the root zone of potato plants. v205 p1279-1280 21 Sep 79.
 Auerbach, R. See Muthukaruppan, Vr.

B

Bacopoulos, N. G.; Spokes, E. G.; Bird, E. D.; Roth, R. H.: Antipsychotic drug action in schizophrenic patients: effect on cortical dopamine metabolism after long-term treatment. v205 p1405-1407 28 Sep 79.
 Baetzold, R. C. See Hamilton, J. F.
 Baker, Robert F. See Dickinson, David G.
 Baker, Theodore. See McGinty, Dennis J.
 Bakun, W. H. and McEvilly, T. V.: Earthquakes near Parkfield, California: comparing the 1934 and 1966 sequences. v205 p1375-1377 28 Sep 79.
 Balish, Edward. See Witter, James P.

Barbaldi, M.; Guidotti, A.; Schwartz, J. P.; Costa, E.: GABA receptors in clonal cell lines: a model for study of benzodiazepine action at molecular level. v205 p821-823 24 Aug 79.
 Barham, Eric G.: Giant larvacean houses: observations from deep submersibles. v205 p1129-1131 14 Sep 79.
 Barker, Jeffery L. See MacDonald, J. Ferguson.
 Barker, Jeffery L. See Vincent, Jean-Didier.
 Barnea, Joseph: Heavy crude oil (letter). v205 p262 20 July 79.
 Barth, Charles A. See Stewart, A. Ian.
 Bartholomew, D. P. See Marzola, D. L.
 Bartke, Andrzej. See Dalterio, Susan.
 Bartoshuk, Linda M.: Bitter taste of saccharin related to the genetic ability to taste the bitter substance 6-n-propylthiouracil. v205 p934-935 31 Aug 79.
 Bases, Robert. See Liebeskind, Doreen.
 Basu, Asish R. and Tatsumoto, Mitsunobu: Samarium-neodymium systematics in kimberlites and in the minerals of garnet Iherzolite inclusions. v205 p398-401 27 July 79.
 Bauer, Siegfried J.; Donahue, Thomas M.; Hartle, Richard E.; Taylor, Harry A., Jr.: Venus ionosphere: photochemical and thermal diffusion control of ion composition. v205 p109-112 6 July 79.
 Bauer, Siegfried J. See Taylor, Harry A., Jr.
 Baulieu, Etienne-Emile. See El-Etr, Martine.
 Baxter, John D. See Martial, Joseph A.
 Bazelon, David L.: Risk and responsibility. v205 p277-280 20 July 79.
 Beach, Raymond: Mosquitoes: biting behavior inhibited by ecdysone. v205 p829-831 24 Aug 79.
 Beatty, Jackson. See Ahern, Sylvia.
 Beddington, John R. See May, Robert M.
 Beecher, Inger Mornestam. See Beecher, Michael D.
 Beecher, Michael D. and Beecher, Inger Mornestam: Sociobiology of bank swallows: reproductive strategy of the male. v205 p1282-1285 21 Sep 79.
 Belton, Michael J. S.: review of *The Saturn System*, edited by Donald M. Hunten and David Morrison. v205 p1256 21 Sep 79.
 Bender, Michael L. See Keigwin, Lloyd D., Jr.
 Benjamin, G. J. See Gascoyne, M.
 Bennett, Lisa P. See Hartman, H. Bernard.
 Benson, David R.; Arp, Daniel J.; Burris, R. H.: Cell-free nitrogenase and hydrogenase from actinorhizal root nodules. v205 p688-689 17 Aug 79.
 Benson, W. K. See Krey, P. W.
 Bercovitch, Sacvan. See Marcus, Ruth Barcan.
 Berendzen, Richard: review of *Broca's Brain*, by Carl Sagan. v205 p38-40 6 July 79.
 Berger, Philip A. See Ross, Maureen.
 Berger, W. H. See Killingley, J. S.
 Berry, Stephen D. and Thompson, Richard F.: Medial septal lesions retard classical conditioning of the nictitating membrane response in rabbits. v205 p209-211 13 July 79.
 Bertsch, G. F.: review of *Mesons in Nuclei*, edited by Mannque Rho and Denys Wilkinson. v205 p994 7 Sep 79.
 Beverley, K. I. See Regan, D.
 Biebuyck, Julien F. See Hawkins, Richard A.
 Biemann, K. See Fajen, J. M.
 Bienzie, Ulrich. See Luzzatto, Lucio.
 Bird, E. D. See Bacopoulos, N. G.
 Black, David C. See Pollack, James R.
 Blackburn, Cynthia A. See Saba, Hussain I.
 Blair, Richard. See Amir, Shimon.
 Blamont, Jacques. See Pollack, James B.
 Blamont, Jacques and Ragent, Boris: Further results of the Pioneer Venus nephelometer experiment. v205 p67-70 6 July 79.
 Blanchard, Robert C. See Seiff, Alvin.
 Bloom, F. E. See Zieglsberger, W.
 Blume, H. W. See Renaud, L. P.
 Blundell, T. L.; Hearn, L.; Tickle, I. J.; Palmer, R. A.; Morgan, B. A.; Smith, G. D.; Griffin, J. F.: Crystal structure of [Leu⁵]enkephalin (technical comment). v205 p220 13 July 79.
 Boese, Robert. See Pollack, James B.
 Bollag, Jean-Marc: review of *Pesticide Microbiology*. v205 p1372 28 Sep 79.
 Boltz, Roger L.; Harwerth, Ronald S.; Smith, Earl L., III: Orientation anisotropy of visual stimuli in rhesus monkey: a behavioral study. v205 p511-513 3 Aug 79.
 Bolwig, Tom G. See Jørgensen, Ole Steen.
 Bonaparte, J. F.: Dinosaurs: a Jurassic assemblage from Patagonia. v205 p1377-1379 28 Sep 79.
 Boxtel, R. Van. See Yayanos, A. Aristides.
 Boyd, Michael R. See Boyd, Suelyn C.
 Boyd, Suelyn C.; Sasame, Henry A.; Boyd, Michael R.: High concentrations of glutathione in glandular stomach: possible implications for carcinogenesis. v205 p1010-1012 7 Sep 79.
 Boynton, William V. See Kerridge, John F.
 Brace, L. H.; Theis, R. F.; Niemann, H. B.; Mayr, H. G.; Hoegy, W. R.; Nagy, A. F.: Empirical models of the electron temperature and density in the nightside Venus ionosphere. v205 p102-105 6 July 79.
 Brace, L. H. See Nagy, A. F.
 Brace, L. H. See Taylor, W. W. L.
 Brackbill, Yvonne: Obstetrical medication study (letter). v205 p447-448 3 Aug 79.
 Bradley, C. See Robinson, T. J.
 Bradley, S. P. See Taylor, F. W.
 Branscomb, Lewis M.: Women in science (editorial). v205 p751 24 Aug 79.
 Braverman, Lewis E. See Theodoropoulos, Theodor.
 Breese, George R. See Mailman, Richard B.
 Brinton, H. C. See Nagy, A. F.
 Brinton, Henry C. See Taylor, Harry A., Jr.
 Broad, William J.: (news and comment): *Scientific American* to be published in China. v205 p1112 14 Sep 79. A blow for the whales. v205 p565 10 Aug 79. Dollar-a-gallon gas fuels metric conversion. v205 p1113 14 Sep 79. Dollars for drug research flow overseas. v205 p979-980 7 Sep 79. High anxiety over flights through ozone. v205 p767, 769 24 Aug 79. No cure in sight for loss of M.D. research. v205 p26-28 6 July 79. No move for weapons labs. v205 p564-565 10 Aug 79. Patent bill returns bright idea to inventor. v205 p473-474, 476 3 Aug 79. Pop nutrition books face legal hurdles. v205 p1113 14 Sep 79. Proposals for ethics boards stir debate. v205 p285-286 20 July 79. Run on risk and benefit. v205 p565 10 Aug 79. Stanford fails to score in "gluon race." v205 p1361-1362 28 Sep 79. Surgeon General says get healthy, eat less meat. v205 p1112-1113 14 Sep 79. Syria said to suppress archeological data. v205 p878-881 31 Aug 79. U.S. rubber shrub may have hidden thorn. v205 p564 10 Aug 79. Whistle blower reinstated at HEW. v205 p476 3 Aug 79. Will new training grants lure M.D.'s? v205 p28 6 July 79.
 Brocato, Susan. See Sherline, Peter.
 Brokaw, Nicholas. See Garwood, Nancy C.
 Broman, Sarah H.: Obstetrical medication study (letter). v205 p446 3 Aug 79.
 Brown, Roger M. See Brozoski, Thomas J.
 Brown, T. R. See Shulman, R. G.
 Brown, Walter E. See Pettengill, Gordon H.
 Browne, Malcolm W.: Aiding Vietnam (letter). v205 p954 7 Sep 79.
 Brownstein, M. J. See Eskay, R. L.
 Brozoski, Thomas J.; Brown, Roger M.; Rosvold, H. E.; Goldman, Patricia S.: Cognitive deficit caused by regional depletion of dopamine in prefrontal cortex of rhesus monkey. v205 p929-932 31 Aug 79.
 Brunner, Robert L. See Vorhees, Charles V.
 Buchner, Erich; Buchner, Sigrid; Hengstenberg, Roland: 2-Deoxy-D-glucose maps movement-specific nervous activity in the second visual ganglion of *Drosophila*. v205 p687-688 17 Aug 79.
 Buchner, Sigrid. See Buchner, Erich.
 Burger, A. G. See Wimpfheimer, C.
 Burke, B. F. See Roberts, D. H.
 Burke, Kevin C.: review of *Rio Grande Rift*,

AUTHOR INDEX TO VOLUME 205

- edited by Robert E. Riecker. v205 p780 24 Aug 79.
- Burris, R. H. See Benson, David R.
- Butcher, Richard E. See Vorhees, Charles V.
- C**
- Cadman, Ed; Heimer, Robert; Davis, Lynn: Enhanced 5-fluorouracil nucleotide formation after methotrexate administration: explanation for drug synergism. v205 p1135-1137 14 Sep 79.
- Caldwell, D. R. and Chriss, T. M.: The viscous sublayer at the sea floor. v205 p1131-1132 14 Sep 79.
- Calisher, Charles H.: Juvenile-onset diabetes: significance of findings (letter). v205 p540 10 Aug 79.
- Campbell, Bruce C. and Duffey, Sean S.: Tomatine and parasitic wasps: potential incompatibility of plant antibiosis with biological control. v205 p700-702 17 Aug 79.
- Campbell, Byron A. See Haroutunian, Vahram.
- Carew, Thomas; Castellucci, Vincent F.; Kandel, Eric R.: Sensitization in *Aplysia*: restoration of transmission in synapses inactivated by long-term habituation. v205 p417-419 27 July 79.
- Carey, W. D.: Science and the politics of development (editorial). v205 p1339 28 Sep 79.
- Carignan, G. R. See Niemann, H. B.
- Carle, G. C. See Oyama, V. I.
- Carpita, Nicholas; Sabularse, Dario; Montezinos, David; Delmer, Deborah P.: Determination of the pore size of cell walls of living plant cells. v205 p1144-1147 14 Sep 79.
- Carroll, Marilyn E.; France, Charles P.; Meisch, Richard A.: Food deprivation increases oral and intravenous drug intake in rats. v205 p319-321 20 July 79.
- Carson, G. A. See Fajen, J. M.
- Carter, L. See Robinson, T. J.
- Carter, Luther J. (news and comment): Academy squabbles over radwaste report. v205 p287-289 20 July 79. An oil insurance policy that may lapse. v205 p568-570 10 Aug 79. Antinuclear rally surveyed. v205 p885 31 Aug 79. The big shortfall in auto fuel economy. v205 p1233, 1235-1236 21 Sep 79. Environmental warfare treaty. v205 p674 17 Aug 79. Environmentalists chide Carter. v205 p471 3 Aug 79. More stress on applied science at NSF. v205 p675-676 17 Aug 79. Oh, sweet CONAES, where art thou? v205 p377 27 July 79. Oil in salt domes. v205 p569 10 Aug 79. Panel says synfuels pose no CO₂ hazard, for now. v205 p884 31 Aug 79. Solar activist, Denis Hayes, heads SERI. v205 p563-564, 566 10 Aug 79. Sprinkler system drowns Census Bureau computers. v205 p884 31 Aug 79. Synfuels crash program viewed as risky. v205 p978-979 7 Sep 79. A warning on synfuels, CO₂, and the weather. v205 p376-377 27 July 79.
- Casida, John E. See Hooper, N. Kim.
- Casida, John E. See Schuphan, Ingolf.
- Casper, R. F.; Yen, S. S. C.; Wilkes, M. M.: Menopausal flushes: a neuroendocrine link with pulsatile luteinizing hormone secretion. v205 p823-825 24 Aug 79.
- Casper, R. F. and Yen, S. S. C.: Induction of luteolysis in the human with a long-acting analog of luteinizing hormone-releasing factor. v205 p408-410 27 July 79.
- Castellucci, Vincent F. See Carew, Thomas.
- Catsimpoolas, Nicholas; Kurtz, Sanford R.; Skrabut, Eugene M.; Griffith, Ann L.; Valeri, C. Robert: Cytotaxins after the sedimentation behavior of human granulocytes. v205 p936-937 31 Aug 79.
- Chait, Richard: College mission statements (editorial). v205 p957 7 Sep 79.
- Chalk, Rosemary (AAAS): AAAS affiliates discuss professional ethics activities. v205 p989 7 Sep 79.
- Chamberlain, Owen. See Anfinsen, Christian B.
- Chan, Hardy W. See Israel, Mark A.
- Chandler, Mary E.; Kedes, Laurence H.; Cohn, Ronald H.; Yunis, Jorge J.: Genes coding for histone proteins in man are located on the distal end of the long arm of chromosome 7. v205 p908-910 31 Aug 79.
- Chang, Kwen-Jen. See Hazum, Eli.
- Changnon, Stanley A., Jr.: Rainfall changes in summer caused by St. Louis. v205 p402-404 27 July 79.
- Chapman, Carleton B.: Should there be a commission on medical education? v205 p559-562 10 Aug 79.
- Chapuis-Cellier, Colette and Arnaud, Philippe: Preferential transmission of the Z deficient allele of α_1 -antitrypsin. v205 p407-408 27 July 79.
- Chen, R. H. See Nagy, A. F.
- Cheng, Mei. See Nag, Asish C.
- Cho, Han Yong and Rhim, John Sik: Cycloheximide-dependent reversion of human cells transformed by MSV and chemical carcinogen. v205 p691-693 17 Aug 79.
- Cho-Chung, Yoon Sang; Archibald, David; Clair, Timothy: Cyclic AMP receptor triggers nuclear protein phosphorylation in a hormone-dependent mammary tumor cell-free system. v205 p1390-1392 28 Sep 79.
- Chriss, T. M. See Caldwell, D. R.
- Christian, J. C. See Rose, Richard J.
- Christian, P. A. See Murphy, D. W.
- Christopher, John. See Himel, Chester M.
- Clair, Timothy. See Cho-Chung, Yoon Sang.
- Clark, Colin W. See May, Robert M.
- Clayson, David B. See Shubik, Philippe.
- Cleland, B. G.; Harding, T. H.; Tulunay-Keesey, U.: Visual resolution and receptive field size: examination of two kinds of cat retinal ganglion cell. v205 p1015-1017 7 Sep 79.
- Clifton, Kelly H. See Yatvin, Milton B.
- Close, Angela E. See Wendorff, Fred.
- Cloutier, Paul A. See Taylor, Harry A., Jr.
- Coffeen, D. L. See Travis, L. D.
- Cohen, Jack S.: Aiding Vietnam (letter). v205 p954 7 Sep 79.
- Cohen, Marion C. See Possanza, Genus.
- Cohen, S. M. See Shulman, R. G.
- Cohen, Seymour S.: Comparative biochemistry and drug design for infectious disease. v205 p964-971 7 Sep 79.
- Cohen, Stanley. See Possanza, Genus.
- Cohn, Ronald H. See Chandler, Mary E.
- Cohn, Stanton H. See Ellis, Kenneth J.
- Coleman, G. See McCorkle, R.
- Coleman, P. J., Jr.; Fuller, M.; Housley, R. M.; Latham, G. V.; Runcorn, S. K.; Sjogren, W. J.; Solomon, Sean C.; Sonnent, C. P.: Lunar studies (letter). v205 p1082-1083 14 Sep 79.
- Coleman, R. See Mather, R. S.
- Colin, Lawrence: Encounter with Venus: an update. v205 p44-46 6 July 79.
- Collard, H. R. See Intriligator, D. S.
- Coluzza, J. L. See Krey, P. W.
- Consolmagno, Guy J.: Sulfur volcanoes on Io. v205 p397-398 27 July 79.
- Cooperman, E. and LeVan, J. H.: Scientific cooperation with Vietnam (letter). v205 p540, 542, 544 10 Aug 79.
- Cornett, R. Jack and Rigler, Frank H.: Hypolimnetic oxygen deficits: their prediction and interpretation. v205 p580-581 10 Aug 79.
- Corson, D. Wesley; Goodman, Steven; Fein, Alan: An adaptation of the jet stream micro-electrode beveler (technical comment). v205 p1302 21 Sep 79.
- Costa, E. See Barbaldi, M.
- Counselman, C. C., III; Gourevitch, S. A.; King, R. W.; Loriot, G. B.; Prinn, R. G.: Venus winds are zonal and retrograde below the clouds. v205 p85-87 6 July 79.
- Cowan, David P.: Sibling matings in a hunting wasp: adaptive inbreeding? v205 p1403-1405 28 Sep 79.
- Cox, D. M.; Hall, R. B.; Horsley, J. A.; Kramer, G. M.; Rabinowitz, P.; Kaldor, A.: Isotope selectivity of infrared laser-driven uni-
- molecular dissociation of a volatile uranyl compound. v205 p390-394 27 July 79.
- Crabtree, Ross E. See Lemberger, Louis.
- Craigmyle, N. See Dworkin, B. R.
- Cravens, T. E. See Klore, A. J.
- Cravens, T. E. See Nagy, A. F.
- Creveling, C. R.: review of *Cyclic Nucleotides, Phosphorylated Proteins, and Neuronal Function*, by Paul Greengard. v205 p485-486 3 Aug 79.
- Cronin, Thomas W. and Forward, Richard B., Jr.: Tidal vertical migration: an endogenous rhythm in estuarine crab larvae. v205 p1020-1022 7 Sep 79.
- Crooks, Gary W. See Goldberg, Itzhak D.
- Cuénod, Michel. See Streit, Peter.
- Cuatrecasas, P. See Macklin, A. W.
- Cuatrecasas, Pedro. See Hazum, Eli.
- Cuatrecasas, Pedro. See Niedel, James E.
- Cummings, Martin M.: Control of federal publications (editorial). v205 p265 20 July 79.
- Cummins, R. A.; Livesey, P. J.; Evans, J. G. M.; Walsh, R. N.: Mechanism of brain growth by environmental stimulation (technical comment). v205 p522 3 Aug 79.
- D**
- Dalterio, Susan and Bartke, Andrzej: Perinatal exposure to cannabinoids alters male reproductive function in mice. v205 p1420-1422 28 Sep 79.
- Danforth, E., Jr. See Wimpfheimer, C.
- Daniels, Robert E., Jr. See Taylor, Harry A., Jr.
- Daniels, Robert A.: Nest guard replacement in the Antarctic fish *Harpagifer bispinis*: possible altruistic behavior. v205 p831-833 24 Aug 79.
- Davidson, Leslie. See Schwartz, William J.
- Davidson, Lynne. See Lloyd, Kenneth G.
- Davis, John M. See Dorus, Elizabeth.
- Davis, Kenneth L.: Long-term choline treatment of memory-impaired elderly patients (technical comment). v205 p1040 7 Sep 79.
- Davis, Lynn. See Cadman, Ed.
- Day, Harry G.: Nutrition and E. V. McCollum (editorial). v205 p359 27 July 79.
- Dayhoff, Margaret O. See Schwartz, Robert M.
- de Magistris, Laura. See Larsson, Lars-Inge.
- Dean, Jeffrey S. See Euler, Robert C.
- deGroat, W. C.; Nadelhaft, I.; Morgan, C.; Schauble, T.: The central origin of efferent pathways in the carotid sinus nerve of the cat. v205 p1017-1018 7 Sep 79.
- Del Genio, A. D. See Travis, L. D.
- Delbrück, Max. See Anfinsen, Christian B.
- Delderfield, J. See Taylor, F. W.
- Delmer, Deborah P. See Carpita, Nicholas.
- Dement, William C. See Gillin, J. Christian.
- Demoulin, Vincent: Protein and nucleic acid sequence data and phylogeny (technical comment). v205 p1036-1038 7 Sep 79.
- den Hollander, J. A. See Shulman, R. G.
- Dennis, Warren H. See Yatvin, Milton B.
- Des Marais, David J. See Kvenvolden, Keith A.
- Deubner, David C. See Fraser, David W.
- Devenson, L. D.: Superstitious bar pressing in hippocampal and septal rats. v205 p721-723 17 Aug 79.
- Dickinson, David G. and Baker, Robert F.: 5-Bromodeoxyuridine inhibits sequence changes within inverted repeat DNA during embryogenesis. v205 p816-818 24 Aug 79.
- Diener, T. O.: Viroids: structure and function. v205 p859-866 31 Aug 79.
- Dietz, Allan S. See Yayanos, A. Aristides.
- Dietz, L. A. See Krey, P. W.
- Diner, D. J. See Taylor, F. W.
- Dinerstein, R. J.; Vannice, J.; Henderson, R. C.; Roth, L. J.; Goldberg, L. I.; Hoffmann, P. C.: Histofluorescence techniques provide evidence for dopamine-containing neuronal elements in canine kidney. v205 p497-499 3 Aug 79.
- DiScala, Vincent A. See Kachadorian, William A.
- Donahoe, Patricia K.; Swann, David A.; Hay-

AUTHOR INDEX TO VOLUME 205

- ashi, Akira; Sullivan, Marcia D.: Müllerian duct regression in the embryo correlated with cytotoxic activity against human ovarian cancer. v205 p913-915 31 Aug 79.
- Donahue, T. M.: Pioneer Venus results: an overview. v205 p41-44 6 July 79.
- Donahue, T. M. See Hoffman, J. H.
- Donahue, Thomas M. See Bauer, Siegfried J.
- Donahue, Thomas M. See Taylor, Harry A., Jr.
- Doose, Lyn R. See Tomasko, Martin G.
- Dorus, Elizabeth; Pandey, Ghanshyam N.; Shaughnessy, Rita; Gaviria, Moises; Val, Eduardo; Erickson, Stephen; Davis, John M.: Lithium transport across red cell membrane: a cell membrane abnormality in manic-depressive illness. v205 p932-934 31 Aug 79.
- Duffey, Sean S. See Campbell, Bruce C.
- Dworkin, B. R.; Filewich, R. J.; Miller, N. E.; Craigmyle, N.; Pickering, T. G.: Baroreceptor activation reduces reactivity of noxious stimulation: implications for hypertension. v205 p1299-1301 21 Sep 79.
- Dyck, Karen. See Ladisch, Michael R.
- E and F**
- Edelson, Paul J. and Schwaber, Jerrold: Normal levels of 5'-nucleotidase activity in lymphocytes with X-linked agammaglobulinemia (technical comment). v205 p520-521 3 Aug 79.
- Edsall, John T.: review of *Otto Warburg*, by Hans Krebs. v205 p384-385 27 July 79.
- Edwards, G. S. See Fajen, J. M.
- Edwards, N. Lawrence and Fox, Irving H.: Normal levels of 5'-nucleotidase activity in lymphocytes from patients with X-linked agammaglobulinemia (technical comment). v205 p520-521 3 Aug 79.
- Ehrlich, Karen: Workshop on women and development held. v205 p482 3 Aug 79.
- El Hadidi, Nabil. See Wendorf, Fred.
- Elequin, Flora. See Liebeskind, Doreen.
- El-Etr, Martine; Schorderet-Slatkine, Sabine; Baulieu, Etienne-Emile: Meiotic maturation in *Xenopus laevis* oocytes initiated by insulin. v205 p1397-1399 28 Sep 79.
- Eliason, Eric. See Pettengill, Gordon H.
- Ellis, Kenneth J.; Vartsky, David; Zanzi, Italo; Cohn, Stanton H.; Yasumura, Seiichi: Cadmium: in vivo measurement in smokers and nonsmokers. v205 p323-325 20 July 79.
- Elphic, R. C. See Russell, C. T.
- Elson, L. S. See Taylor, F. W.
- Engberg, Ingemar. See Marshall, Kenneth C.
- Erickson, Stephen. See Dorus, Elizabeth.
- Esan, G. Folayan J. See Luzzatto, Lucio.
- Eshleman, Von R.: Gravitational lens of the sun: its potential for observations and communications over interstellar distances. v205 p1133-1135 14 Sep 79.
- Eskay, R. L.; Brownstein, M. J.; Long, R. T.: α -Melanocyte-stimulating hormone: reduction in adult rat brain after monosodium glutamate treatment of neonates. v205 p827-829 24 Aug 79.
- Esposito, Larry W. See Pollack, James B.
- Eterović, Vesna A. See Ferchmin, P. A.
- Euler, Robert C.; Guerman, George J.; Karlstrom, Thor N. V.; Dean, Jeffrey S.; Hevly, Richard H.: The Colorado Plateaus: cultural dynamics and paleoenvironment. v205 p1089-1101 14 Sep 79.
- Evans, J. G. M. See Cummins, R. A.
- Evans, W. D.; Glore, J. P.; Klebesadel, R. W.; Laros, J. G.; Tech, E. R.; Spalding, R. E.: Gamma-ray burst observations by Pioneer Venus orbiter. v205 p119-121 6 July 79.
- Evenson, Robert E.; Waggoner, Paul E.; Ruttan, Vernon W.: Economic benefits from research: an example from agriculture. v205 p1101-1107 14 Sep 79.
- Faden, Alan I. and Holaday, John W.: Opiate antagonists: a role in the treatment of hypovolemic shock. v205 p317-318 20 July 79.
- Fajen, J. M.; Carson, G. A.; Rounbehler, D. P.; Fan, T. Y.; Vita, R.; Goff, U. E.; Wolf, M. H.; Edwards, G. S.; Fine, D. H.; Reinhold, V.; Biemann, K.: N-Nitrosamines in the rubber and tire industry. v205 p1262-1264 21 Sep 79.
- Fan, T. Y. See Fajen, J. M.
- Fasuan, Felix A. See Luzzatto, Lucio.
- Feder, R. See McCorkle, R.
- Fein, Alan. See Corson, D. Wesley.
- Feinstone, Stephen M. See Shimizu, Yohko K.
- Fenwick, Millicent: Asbestos legislation (letter). v205 p354-355 27 July 79.
- Ferchmin, P. A. and Eterović, Vesna A.: Mechanism of brain growth by environmental stimulation (technical comment). v205 p522 3 Aug 79.
- Ferguson, Eugene S.: review of *World Industrial Archaeology*, by Kenneth Hudson. v205 p681-683 17 Aug 79.
- Ferris, Steven H.; Sathananthan, Gregory; Reisberg, Barry; Gershon, Samuel: Long-term choline treatment of memory-impaired elderly patients (technical comment). v205 p1039-1040 7 Sep 79.
- Flandt, M. See Vollenweider, H. J.
- Filewich, R. J. See Dworkin, B. R.
- Findlay, John T. See Seiff, Alvin.
- Fine, D. H. See Fajen, J. M.
- Fink, David J. See Schwartz, William J.
- Flagg-Newton, Jean; Simpson, Ian; Loewenstein, Werner R.: Permeability of the cell-to-cell membrane channels in mammalian cell junction. v205 p404-407 27 July 79.
- Flory, Paul J. See Anfinsen, Christian B.
- Ford, D. C. See Gascoyne, M.
- Ford, Peter G. See Pettengill, Gordon H.
- Forward, Richard B., Jr. See Cronin, Thomas W.
- Fox, Irving H. See Edwards, N. Lawrence.
- Fox, Marye Anne and Olive, Susan: Photooxidation of anthracene on atmospheric particulate matter. v205 p582-583 10 Aug 79.
- Fox, Ronald F.: review of *Fundamental Problems in Statistical Mechanics IV*, edited by E. G. D. Cohen, W. Fiszdon, A. Palczewski. v205 p1124 14 Sep 79.
- France, Charles P. See Carroll, Marilyn E.
- Fraser, David W.; Deubner, David C.; Hill, Dianne L.; Gilliam, Darrell K.: Non-pneumonic, short-incubation-period legionellosis (Pontiac fever) in men who cleaned a steam turbine condenser. v205 p690-691 17 Aug 79.
- Freeman, Barbara A. See Swets, John A.
- French, E. D. See Ziegglänsberger, W.
- Friberg, Stig E.; Thundathil, Raju; Stoffer, James O.: Changed lyotropic liquid crystalline structure due to polymerization of the amphiphilic component. v205 p607-608 10 Aug 79.
- Fries, James and Loftus, Elizabeth F.: "Uninformed consent" (letter). v205 p644, 646-647 17 Aug 79.
- Frisch, H. L. See Newman, Stuart A.
- From, Arthur H. L. See Fullerton, Dwight S.
- Fry, David G.: review of *The Kindly Fruits of the Earth*, by G. Evelyn Hutchinson. v205 p1368-1369 28 Sep 79.
- Fuhro, Robert L. See Goldberg, Itzhak D.
- Fuller, M. See Coleman, P. J., Jr.
- Fullerton, Dwight S.; Yoshioka, Kouichi; Rohrer, Douglas C.; From, Arthur H. L.; Ahmed, Khalil: Digitalis genin activity: side-group carbonyl oxygen position is a major determinant. v205 p917-919 31 Aug 79.
- G**
- Gainer, Harold. See Schwartz, William J.
- Gaither, Neal S. and Stein, Barry E.: Reptiles and mammals use similar sensory organizations in the midbrain. v205 p595-597 10 Aug 79.
- Galin, David. See Herron, Jeannine.
- Gambhir, K. K. See Robinson, T. J.
- Garber, Elizabeth: review of *James Prescott Joule and the Concept of Energy*. v205 p1371-1372 28 Sep 79.
- Garwood, Nancy C.; Janos, David P.; Brokaw, Nicholas: Earthquake-caused landslides: a major disturbance to tropical forests. v205 p997-999 7 Sep 79.
- Gascoyne, M.; Benjamin, G. J.; Schwarcz, H. P.; Ford, D. C.: Sea-level lowering during the Illinoian glaciation: evidence from a Bahama "blue hole." v205 p806-808 24 Aug 79.
- Gatley, S. John. See Witter, James P.
- Gavin, John H.: Education of the handicapped (letter). v205 p955 7 Sep 79.
- Gaviria, Moises. See Dorus, Elizabeth.
- Gee, J. Bernard L. See Hinman, Lois M.
- Gehring, Perry J. See Reitz, Richard H.
- Geil, P. H. See Lam, R.
- Gersch, Will; Martinelli, F.; Yonemoto, J.; Low, M. D.; McEwan, J. A.: Automatic classification of electroencephalograms: Kullback-Leibler nearest neighbor rules. v205 p193-195 13 July 79.
- Gershon, Samuel. See Ferris, Steven H.
- Getty, David J. See Swets, John A.
- Ghiselin, Michael T.: review of *The Outer Shores*, edited by Joel W. Hedgpeth. v205 p1122 14 Sep 79.
- Gille, J. C. See Taylor, F. W.
- Gilliam, Darrell K. See Fraser, David W.
- Gillin, Christian. See Anlyan, William G.
- Gillin, J. Christian; Mendelson, Wallace B.; Dement, William C.; Solomon, Fredric: Fluorazepam and insomnia (letter). v205 p954-955 7 Sep 79.
- Glaser, Gilbert H. See Seyfried, Thomas N.
- Glaumann, H. See Rollins, D. E.
- Gleason, Jean Berko: review of *The Signs of Language*, by Edward S. Klima and Ursula Bellugi with ten others. v205 p1253-1254 21 Sep 79.
- Glore, J. P. See Evans, W. D.
- Goff, U. E. See Fajen, J. M.
- Goldberg, Itzhak D.; Stemerman, Michael B.; Schnipper, Lowell E.; Ransil, Bernard J.; Crooks, Gary W.; Fuhro, Robert L.: Vascular smooth muscle cell kinetics: a new assay for studying patterns of cellular proliferation in vivo. v205 p920-922 31 Aug 79.
- Goldberg, L. I. See Dinerstein, R. J.
- Goldman, Patricia S. See Brozoski, Thomas J.
- Goldstein, Avram. See Ross, Maureen.
- Goltermann, Nils. See Larsson, Lars-Inge.
- Gombosi, T. I. See Kliore, A. J.
- Goodman, Howard M. See Martial, Joseph A.
- Goodman, Steven. See Corson, D. Wesley.
- Gould, James L. See Walcott, Charles.
- Gouras, P. and Zrenner, E.: Enhancement of luminance flicker by color-opponent mechanisms. v205 p587-589 10 Aug 79.
- Gourevitch, S. A. See Counselman, C. C., III.
- Greene, Nicholas M. See Maas, James W.
- Greenfield, P. E. See Roberts, D. H.
- Gregorian, Vartan: Academic ties with the Middle East (letter). v205 p1084 14 Sep 79.
- Griffin, J. F. See Blundell, T. L.
- Griffith, Ann L. See Catsimpoolas, Nicholas.
- Grobecker, David B. and Pietsch, Theodore W.: High-speed cinematographic evidence for ultrafast feeding in antennariid anglerfishes. v205 p1161-1162 14 Sep 79.
- Grzanna, Reinhard. See Morrison, John H.
- Guest, Avery M.: review of *Residential Crowding in Urban America*, by Mark Baldassare. v205 p994-996 7 Sep 79.
- Guidotti, A. See Barbaldi, M.
- Guerman, George J. See Euler, Robert C.
- Guntheroth, Warren G.: Cardiopulmonary changes in kittens during sleep (technical comment). v205 p1040-1041 7 Sep 79.
- H**
- Haas, Herbert. See Wendorf, Fred.
- Habicht, Jean-Pierre: review of *Hunger Disease*, edited by Myron Winick. v205 p578-579 10 Aug 79.
- Hall, Joseph W., III: Auditory brainstem frequency following responses to waveform envelope periodicity. v205 p1297-1299 21 Sep 79.
- Hall, R. B. See Cox, D. M.
- Hall, W. G.: Feeding and behavioral activation

- in infant rats. v205 p206-209 13 July 79.
- Hall, W. G. See Johanson, Ingrid B.
- Hallewell, Robert A. See Martial, Joseph A.
- Hamburger, Henry: review of *Micromotives and Macrobbehavior*, by Thomas C. Schelling. v205 p37-38 6 July 79.
- Hamilton, J. F. and Baetzold, R. C.: Catalysis by small metal clusters. v205 p1213-1220 21 Sep 79.
- Hammel, E. A.; McDaniel, C. K.; Wachter, K. W.: Demographic consequences of incest tabus: a microsimulation analysis. v205 p972-977 7 Sep 79.
- Hand, Peter J. See Miselis, Richard R.
- Hannon, Bruce. See Hirst, Eric.
- Hansen, J. E. See Travis, L. D.
- Harding, T. H. See Cleland, B. G.
- Haroutunian, Vahram and Campbell, Byron A.: Emergence of interoceptive and exteroceptive control of behavior in rats. v205 p927-929 31 Aug 79.
- Harris, A. Basil. See Ribak, Charles E.
- Harris, E. L. See Rose, Richard J.
- Hartle, R. E. See Niemann, H. B.
- Hartle, Richard E. See Bauer, Siegfried J.
- Hartle, Richard E. See Taylor, Harry A., Jr.
- Hartline, Beverly Karplus (research news): Einstein pictures the x-ray sky. v205 p31-33 6 July 79. New instrument decodes astronomical signals. v205 p381-382 27 July 79.
- POLYMODE: exploring the undersea weather. v205 p571-573 10 Aug 79. Power line radiation in the magnetosphere. v205 p1365 28 Sep 79. A taste of satellite oceanography. v205 p572 10 Aug 79.
- Hartman, H. Bernard; Walthall, W. William; Bennett, Lisa P.; Stewart, Randall R.: Giant interneurons mediating equilibrium reception in an insect. v205 p503-505 3 Aug 79.
- Hartmann, Robert C. See Saba, Hussain I.
- Harvey, George R.; Requejo, Adolfo G.; McGillivray, Philip A.; Tokar, John M.: Observation of a subsurface oil-rich layer in the open ocean. v295 p999-1001 7 Sep 79.
- Harwerth, Ronald S. See Boltz, Roger L.
- Hattox, Susan E. See Maas, James W.
- Hawkes, Nigel (news and comment): Tracing Burt's descent to scientific fraud. v205 p673-675 17 Aug 79.
- Hawkins, Richard A. and Biebuyck, Julien F.: Ketone bodies are selectively used by individual brain regions. v205 p325-327 20 July 79.
- Hayashi, Akira. See Donahoe, Patricia K.
- Hazelbauer, Gerald L.: review of *Transmethylation*, edited by Earl Usdin, Ronald T. Borchardt, and Cyrus R. Creveling. v205 p992 7 Sep 79.
- Hazum, Eli; Chang, Kwen-Jen; Cuatrecasas, Pedro: Specific nonopiate receptors for β -endorphin. v205 p1033-1035 7 Sep 79.
- Healy, Christopher J. See Nag, Asish C.
- Hearn, L. See Blundell, T. L.
- Heath, G. Ross: Burial rates, growth rates, and size distribution of deep-sea manganese nodules. v205 p903-904 31 Aug 79.
- Hechtman, Lily. See Weiss, Gabrielle.
- Hedin, A. E. See Niemann, H. B.
- Hegsted, D. Mark. See Kretchmer, Norman.
- Heimer, Robert. See Cadman, Ed.
- Heinrich, Bernd: Keeping a cool head: honeybee thermoregulation. v205 p1269-1271 21 Sep 79. Review of *Sexual Selection and Reproductive Competition in Insects*, edited by Murray S. Blum and Nancy A. Blum. v205 p577-578 10 Aug 79.
- Henderson, R. C. See Dinerstein, R. J.
- Hendrikson, H. C. See Krey, P. W.
- Hengstenberg, Roland. See Buchner, Erich.
- Herendeen, R. A.; Kary, T.; Rebitzer, J.: Energy analysis of the solar power satellite. v205 p451-454 3 Aug 79.
- Herron, Jeannine; Galin, David; Johnstone, Jack; Ornstein, Robert E.: Cerebral specialization, writing posture, and motor control of writing in left-handers. v205 p1285-1289 21 Sep 79.
- Herschman, Arthur (AAAS): Science: our common heritage. v205 p1242 21 Sep 79.
- Hesse, Gary W.: Chronic zinc deficiency alters neuronal function of hippocampal mossy fibers. v205 p1005-1007 7 Sep 79.
- Hevly, Richard H. See Euler, Robert C.
- Hill, Dianne L. See Fraser, David W.
- Himel, Chester M.; Taylor, Jeffrey L.; Pape, Courtney; Miller, David B.; Christopher, John; Kurlansik, Leo: Acridine araphanes: a new class of probe molecules for biological systems. v205 p1277-1279 21 Sep 79.
- Hinman, Lois M.; Stevens, Cynthia; Matthay, Richard A.; Gee, J. Bernard L.: Angiotensin convertase activities in human alveolar macrophages: effects of cigarette smoking and sarcoidosis. v205 p202-203 13 July 79.
- Hinson, E. W. See Keating, G. M.
- Hirst, Eric and Hannon, Bruce: Effects of energy conservation in residential and commercial buildings. v205 p656-661 17 Aug 79.
- Hochberg, Richard B.: Iodine-125-labeled estradiol: a gamma-emitted analog of estradiol that binds to the estrogen receptor. v205 p1138-1140 14 Sep 79.
- Hoegerman, Stanton F.: Chromosome 13 long arm interstitial deletion may result from maternal inverted insertion (technical comment). v205 p1035-1036 7 Sep 79.
- Hoegy, W. R. See Brace, L. H.
- Hoffman, J. H.; Hodges, R. R., Jr.; McElroy, M. B.; Donahue, T. M.; Kolpin, M.: Composition and structure of the Venus atmosphere: results from Pioneer Venus. v205 p49-52 6 July 79.
- Hoffmann, P. C. See Dinerstein, R. J.
- Hogan, A. W. and Mohnen, V. A.: On the global distribution of aerosols. v205 p1373-1375 28 Sep 79.
- Holaday, John W. See Faden, Alan I.
- Holden, Constance: (news and comment): Agent Orange furor continues to build. v205 p770-772 24 Aug 79. Barry Commoner as first citizen? v205 p172 13 July 79. Egyptian geologist champions desert research. v205 1357-1358, 1360 28 Sep 79. Emigre paints grim picture of Soviet science. v205 p981, 983-984 7 Sep 79. Grappling over air bag. v205 p671 17 Aug 79. Pharmacist to head FDA. v205 p1235 21 Sep 79. Radiation compensation. v205 p1234 21 Sep 79. R & D institute passed. v205 p671 17 Aug 79. Sex and science. v205 p670-671 17 Aug 79. Sex change operations of dubious value. v205 p1235 21 Sep 79. Unearthing new Einsteins. v205 p1234-1235 21 Sep 79.
- Hollis, V. W., Jr. See Robinson, T. J.
- Holt, Sidney J. See May, Robert M.
- Hooper, N. Kim; Ames, Bruce N.; Saleh, Mahmoud Abbas; Casida, John E.: Toxaphene, a complex mixture of polychloroterpenes and a major insecticide, is mutagenic. v205 p591-593 10 Aug 79.
- Hornig, Lilli S.; Tolpin, Martha; Speizer, Jeanne J.: "Female evanescence" (letter). v205 p260 20 July 79.
- Horsley, J. A. See Cox, D. M.
- Housley, R. M. See Coleman, P. J., Jr.
- Howell, Nancy: review of *The Nutrition of Aborigines in Relation to the Ecosystem of Central Australia*, edited by B. S. Hetzel and H. J. Frith. v205 p1122-1124 14 Sep 79.
- Hunten, D. M. See Knollenberg, Robert G.
- Hunten, D. M. See Niemann, H. B.
- Hutchinson, G. L. and Mosier, A. R.: Nitrous oxide emissions from an irrigated cornfield. v205 p1125-1127 14 Sep 79.
- Hydes, David J.: Aluminum in seawater: control by inorganic processes. v205 p1260-1262 21 Sep 79.
- Hynes, H. B. N.: review of *The River Volga and Its Life*, edited by P. D. Mordukhai-Boltovskoi. v205 p182 13 July 79.
- I and J**
- Idso, S. B. See Pinter, P. J., Jr.
- Intriligator, D. S.; Collard, H. R.; Mihalov, J. D.; Whitten, R. C.; Wolfe, J. H.: Electron observations and ion flows from the Pioneer Venus orbiter plasma analyzer experiment. v205 p116-119 6 July 79.
- Ireland, Chris and Scheuer, Paul J.: Photosynthetic marine mollusks: in vivo ^{14}C incorporation into metabolites of the sacoglossan *Placobranchus ocellatus*. v205 p922-923 31 Aug 79.
- Israel, Mark A.; Chan, Hardy W.; Martin, Malcolm A.; Rowe, Wallace P.: Molecular cloning of polyoma virus DNA in *Escherichia coli*: oncogenicity testing in hamsters. v205 p1140-1142 14 Sep 79.
- Issawi, Bahay. See Wendorf, Fred.
- Jackson, R. D. See Pinter, P. J., Jr.
- Jacobs, Barry L. See Trulson, Michael E.
- Jacobson, Sandra W. and Kagan, Jerome: Interpreting "imitative" responses in early infancy (technical comment). v205 p215-217 13 July 79.
- Jacquet, Yasuko F.: Dual mechanism mediating opiate effects? (technical comment). v205 p425 27 July 79.
- James, William R. See Uman, Myron F.
- Janos, David P. See Garwood, Nancy C.
- Jenkins, A. D. See Pinter, P. J., Jr.
- Jenner, Martha Garrett: Pseudohermaphroditism in *Hydnassa obsoleta* (Mollusca: Neogastropoda). v205 p1407-1409 28 Sep 79.
- Johanson, Ingrid B. and Hall, W. G.: Appetitive learning in 1-day-old rat pups. v205 p419-421 27 July 79.
- Johnstone, Jack. See Herron, Jeannine.
- Jørgensen, Ole Steen and Bolwig, Tom G.: Synaptic proteins after electroconvulsive stimulation. v205 p705-707 17 Aug 79.
- Joseph, Herbert L.: Sleeping pills and insomnia (letter). v205 p8, 122 6 July 79.
- K**
- Kachadorian, William A.; Muller, Jacqueline; Rudich, Stephen W.; DiScala, Vincent A.: Temperature dependence of ADH-induced water flow and intramembranous particle aggregates in toad bladder. v205 p910-913 31 Aug 79.
- Kagan, Jerome. See Jacobson, Sandra W.
- Kahane, Itzhak. See Niedel, James E.
- Kaldor, A. See Cox, D. M.
- Kalil, Katherine and Reh, Thomas: Regrowth of severed axons in the neonatal central nervous system: establishment of normal connections. v205 p1158-1161 14 Sep 79.
- Kaminsky, Manfred S. See Morse, John W.
- Kandel, Eric R. See Carew, Thomas.
- Kankus, Roberta A.: Nuclear reactor operators (letter). v205 p644 17 Aug 79.
- Kapitza, P. L.: Plasma and the controlled thermonuclear reaction. v205 p959-964 7 Sep 79.
- Karlstrom, Thor N. V. See Euler, Robert C.
- Kary, T. See Herendeen, R. A.
- Kase, Manabu; Noda, Hiroharu; Suzuki, David A.; Miller, David C.: Target velocity signals of visual tracking in vermal Purkinje cells of the monkey. v205 p717-720 17 Aug 79.
- Kasprzak, W. T. See Niemann, H. B.
- Kaula, William M. See Pettengill, Gordon H.
- Kawabata, K. See Travis, L. D.
- Kawanishi, Masaoki. See Watanabe, Takao K.
- Keating, G. M.; Taylor, F. W.; Nicholson, J. Y.; Hinson, E. W.: Short-term cyclic variations and diurnal variations of the Venus upper atmosphere. v205 p62-64 6 July 79.
- Kedes, Laurence H. See Chandler, Mary E.
- Keigwin, Lloyd D., Jr.; Bender, Michael L.; Kennett, James P.: Thermal structure of the deep Pacific Ocean in the early Pliocene. v205 p1386-1388 28 Sep 79.
- Kelly, G. M. See Seiff, Alvin.
- Kendall, William B. See Woo, Richard.
- Kennett, James P. See Keigwin, Lloyd D., Jr.
- Kerr, Richard A. (research news): Global pollution: is the Arctic haze actually industrial smog? v205 p290-293 20 July 79. How is new ocean crust formed? v205 p1115-1118

AUTHOR INDEX TO VOLUME 205

- 14 Sep 79. Ten years later: whence the moon? v205 p292 20 July 79.
- Kerridge, John F.; Mackay, Alan L.; Boynton, William V.: Magnetite in CI carbonaceous meteorites: origin by aqueous activity on a planetesimal surface. v205 p395-397 27 July 79.
- Killingley, J. S. and Berger, W. H.: Stable isotopes in a mollusk shell: detection of upwelling events. v205 p186-188 13 July 79.
- King, R. W. See Counselman, C. C., III.
- Kirk, Donn B. See Seiff, Alvin.
- Kirschvink, J. L. See Walcott, Charles.
- Kivelson, Margaret G.; Slavin, James A.; Southwood, David J.: Magnetospheres of the Galilean satellites. v205 p491-493 3 Aug 79.
- Klebesadel, R. W. See Evans, W. D.
- Klemm, W. R. See Stevens, David R.
- Klerman, Gerald L.: Peer review at ADAMHA (letter). v205 p258-259 20 July 79.
- Kliore, A. J.; Patel, I. R.; Nagy, A. F.; Cravens, T. E.; Gombosi, T. I.: Initial observations of the nightside ionosphere of Venus from Pioneer Venus orbiter radio occultations. v205 p99-102 6 July 79.
- Knecht, Eva. See Streit, Peter.
- Knollenberg, Robert G. See Pollack, James B.
- Knollenberg, Robert G. and Hunten, D. M.: Clouds of Venus: a preliminary assessment of microstructure. v205 p70-74 6 July 79.
- Knudsen, W. C.; Spenner, K.; Whitten, R. C.; Spreiter, J. R.; Miller, K. L.; Novak, V.: Thermal structure and energy influx to the day and nightside Venus ionosphere. v205 p105-107 6 July 79.
- Kobusiewicz, Michael. See Wendorf, Fred.
- Koenigsberg, Mordecai. See Liebeskind, Doreen.
- Kolata, Gina Bari: Institute idea divides mathematicians (news and comment). v205 p470-472 3 Aug 79. New drugs and the brain (research news). v205 p774-776 24 Aug 79. Obstetrical medication study (letter). v205 p447 3 Aug 79. Sex hormones and brain development (research news). v205 p985-987 7 Sep 79. Withholding medical treatment (news and comment). v205 p882-883, 885 31 Aug 79.
- Kolattukudy, P. E. See Maiti, I. B.
- Kolpin, M. See Hoffman, J. H.
- Kramer, G. M. See Cox, D. M.
- Kramer, Richard S. and Pearlstein, Robert D.: Cerebral cortical microfluorometry at isosbestic wavelengths for correction of vascular artifact. v205 p693-696 17 Aug 79.
- Kretchmer, Norman and Hegsted, D. Mark: Nutrition program (letter). v205 p1084-1085 14 Sep 79.
- Krey, P. W.; Leifer, R.; Benson, W. K.; Dietz, L. A.; Hendrikson, H. C.; Coluzza, J. L.: Atmospheric burnup of the Cosmos-954 reactor. v205 p583-585 10 Aug 79.
- Krieger, Dorothy T. and Liotta, Anthony S.: Pituitary hormones in brain: where, how, and why? v205 p366-372 27 July 79.
- Krigman, Martin R. See Mailman, Richard B.
- Kripke, Daniel F.: Sleeping pills and insomnia (letter). v205 p8-9 6 July 79.
- Kuklick, Bruce. See Marcus, Ruth Barcan.
- Kurlansik, Leo. See Himel, Chester M.
- Kurtz, Sanford R. See Catsimpoolas, Nicholas.
- Kvenvolden, Keith A.; Weliky, Karen; Nelson, Hans; Des Marais, David J.: Submarine seep of carbon dioxide in Norton Sound, Alaska. v205 p1264-1266 21 Sep 79.
- L**
- Lacis, A. A. See Travis, L. D.
- Ladisch, Michael R. and Dyck, Karen: Dehydration of ethanol: new approach gives positive energy balance. v205 p898-900 31 Aug 79.
- Lafferman, Jeffrey A. and Silbergeld, Ellen K.: Erythrokin B inhibits dopamine transport in rat caudate synaptosomes. v205 p410-412 27 July 79.
- Lam, R. and Geil, P. H.: Single crystals of linear polyethylene crystallized from the glass. v205 p1388-1389 28 Sep 79.
- Lamour, Y. See Renaud, L. P.
- Land, P. W. and Lund, R. D.: Development of the rat's uncrossed retinotectal pathway and its relation to plasticity studies. v205 p698-700 17 Aug 79.
- Landis, D. Harold. See Maas, James W.
- Lane, W. A. See Travis, L. D.
- Laros, J. G. See Evans, W. D.
- Larsson, Lars-Inge; Goltermann, Nils; de Magistris, Laura; Rehfeld, Jens F.; Schwartz, Thue W.: Somatostatin cell processes as pathways for paracrine secretion. v205 p1393-1395 28 Sep 79.
- Latham, G. V. See Coleman, P. J., Jr.
- Laumann, J. A.: Market penetration characteristics for energy production and atmospheric carbon dioxide growth. v205 p896-898 31 Aug 79.
- Laws, Richard M. See May, Robert M.
- Lawson, Douglas R. and Winchester, John W.: Atmospheric sulfur aerosol concentrations and characteristics from the South American continent. v205 p1267-1269 21 Sep 79.
- Legocki, Roman P. and Verma, Desh Pal S.: A nodule-specific plant protein (nodulin-35) from soybean. v205 p190-193 13 July 79.
- Lehn, W. H.: Atmospheric refraction and lake monsters. v205 p183-185 13 July 79.
- Leifer, R. See Krey, P. W.
- Lemberger, Louis and Crabtree, Ross E.: Pharmacologic effects in man of a potent, long-acting dopamine receptor agonist. v205 p1151-1153 14 Sep 79.
- Lepow, Irwin H. See Nicholson, Anne.
- LeVan, J. H. See Cooperman, E.
- Levin, Bruce R.: review of *Ecological Genetics*, edited by Peter F. Brussard. v205 p1254-1255 21 Sep 79.
- Levy, Dennis P. See Weiss, Mitchell J.
- Liebeskind, Doreen; Bases, Robert; Mendez, Frances; Elequin, Flora; Koenigsberg, Mordecai: Sister chromatid exchanges in human lymphocytes after exposure to diagnostic ultrasound. v205 p1273-1275 21 Sep 79.
- Ligon, Woodfin V., Jr.: Molecular analysis by mass spectrometry. v205 p151-159 13 July 79.
- Limaye, S. S. See Travis, L. D.
- Lindsay, Robert: review of *Reliable Knowledge*, by John Ziman. v205 p576-577 10 Aug 79.
- Liotta, Anthony S. See Krieger, Dorothy T.
- Lipton, Bruce H. and Schultz, Edward: Developmental fate of skeletal muscle satellite cells. v205 p1292-1294 21 Sep 79.
- Livesey, P. J. See Cummins, R. A.
- Lloyd, Kenneth G. and Davidson, Lynne: [³H]GABA binding in brains from Huntington's chorea patients: altered regulations by phospholipids? v205 p1147-1149 14 Sep 79.
- Loeb, Arthur L.: review of *On Aesthetics in Science*, edited by Judith Wechsler. v205 p295-296 20 July 79.
- Loewenstein, Werner R. See Flagg-Newton, Jean.
- Loftus, Elizabeth: review of *The Psychology of Person Identification*, by Brian R. Clifford and Ray Bull. v205 p386-387 27 July 79.
- Loftus, Elizabeth F. See Fries, James.
- London, William T. See Shimizu, Yohko K.
- Long, R. T. See Eskay, R. L.
- Longhurst, Alan: review of *International Management of Tuna, Porpoise, and Billfish*, by James Joseph and Joseph W. Greenough. v205 p779-780 24 Aug 79.
- Loriot, G. B. See Counselman, C. C., III.
- Low, M. D. See Gersch, Will.
- Lund, R. D. See Land, P. W.
- Luzzatto, Lucio; Usanga, Essen A.; Bienzle, Ulrich; Esan, G.; Folayan J.; Fasuan, Felix A.: Imbalance in X-chromosome expression: evidence for a human X-linked gene affecting growth of hemopoietic cells. v205 p1418-1420 28 Sep 79.
- M**
- Maas, James W.; Hattox, Susan E.; Greene, Nicholas M.; Landis, D. Harold: 3-Methoxy-4-hydroxyphenylethylene glycol production by human brain in vivo. v205 p1025-1027 7 Sep 79.
- MacDonald, J. Ferguson; Barker, Jeffery L.; Paul, Steven M.; Marangos, Paul J.; Skolnick, Philip: Inosine may be an endogenous ligand for benzodiazepine receptors on cultured spinal neurons. v205 p715-717 17 Aug 79.
- MacIntyre, Ferren: Carbon-13 in tree rings indicates no record of sea-surface temperature. v205 p1127-1129 14 Sep 79.
- Mackay, Alan L. See Kerridge, John F.
- Macklin, A. W.; Welch, R. M.; Cuatrecasas, P.: Drug safety: phenacetin (letter). v205 p144, 146, 148 13 July 79.
- Mailman, Richard B.; Breese, George R.; Krigman, Martin R.; Mushak, Paul; Mueller, Robert A.: Lead enhancement of lithium-induced polydipsia (technical comment). v205 p726 17 Aug 79.
- Maiti, I. B. and Kolattukudy, P. E.: Prevention of fungal infection of plants by specific inhibition of cutinase. v205 p507-508 3 Aug 79.
- Mansour, Tag E.: Chemotherapy of parasitic worms: new biochemical strategies. v205 p462-469 3 Aug 79.
- Marangos, Paul J. See MacDonald, J. Ferguson.
- Marcus, Ruth Barcan; Kuklick, Bruce; Bercovitch, Sacvan: "Uninformed consent" (letter). v205 p644 17 Aug 79.
- Marshak, William and Sekuler, Robert: Mutual repulsion between moving visual targets. v205 p1399-1401 28 Sep 79.
- Marshall, Eliot (news and comment): Agricultural network fights unwelcome gift. v205 p1108-1109 14 Sep 79. Califano exits HEW in classic form. v205 p669-670, 672 17 Aug 79. Carcinogens in Scotch. v205 p768-769 24 Aug 79. Carter hails solar age in pre-solstice rite. v205 p21, 23-24 6 July 79. Congress relents, spares OES bureau. v205 p769 24 Aug 79. Costs still climbing at Three Mile Island. v205 p475 3 Aug 79. FDA bans speed in diet pills. v205 p474-475 3 Aug 79. NAS begins study of antibiotics in feeds. v205 p982 7 Sep 79. President's commission reprimands NRC staff. v205 p983 7 Sep 79. Public attitudes to technological progress. v205 p281, 283-285 20 July 79. Scientologists obtain potent hallucinogen, QNB. v205 p982-983 7 Sep 79. Selling SALT among the scientists. v205 p475 3 Aug 79. Senate skeptical on SALT verification. v205 p373-376, 378 27 July 79. Synfuels program born in confusion. v205 p1356-1357 28 Sep 79.
- Marshall, Kenneth C. and Engberg, Ingemar: Reversal potential for noradrenaline-induced hyperpolarization of spinal motoneurons. v205 p422-424 27 July 79.
- Martial, Joseph A.; Hallewell, Robert A.; Baxter, John D.; Goodman, Howard M.: Human growth hormone: complementary DNA cloning and expression in bacteria. v205 p602-607 10 Aug 79.
- Martin, Malcolm A. See Israel, Mark A.
- Martinelli, F. See Gersch, Will.
- Martonchik, J. V. See Taylor, F. W.
- Marwell, Gerald; Rosenfeld, Rachel; Spilerman, Seymour: Geographic constraints on women's careers in academia. v205 p1225-1231 21 Sep 79.
- Marx, Jean L. (research news): The annual Pap smear: an idea whose time has gone? v205 p177-178 13 July 79. Brain peptides: is substance P a transmitter of pain signals? v205 p886-889 31 Aug 79. Dysmenorrhea: basic research leads to a rational therapy. v205 p175-176 13 July 79. The HDL: the good cholesterol carriers? v205 p677-679 17 Aug 79. A potpourri of brain peptides. v205 p888 31 Aug 79.
- Marzola, D. L. and Bartholomew, D. P.: Photo-

AUTHOR INDEX TO VOLUME 205

- synthetic pathway and biomass energy production. v205 p555-559 10 Aug 79.
- Mason, Reginald G. See Saba, Hussain I.
- Masters, John C.: Interpreting "imitative" responses in early infancy (technical comment). v205 p215 13 July 79.
- Masursky, Harold. See Pettengill, Gordon H.
- Mata, Marina. See Schwartz, William J.
- Mateer, Catherine. See Ojemann, George.
- Mather, R. S.; Rizos, C.; Coleman, R.: Remote sensing of surface ocean circulation with satellite altimetry. v205 p11-17 6 July 79.
- Matthay, Richard A. See Hinman, Lois M.
- Maugh, Thomas H., II: (research news): Any horse trader could have told you. v205 p574 10 Aug 79. Cancer and environment: Higginson speaks out. v205 p1363-1364, 1366 28 Sep 79. The Dead Sea is alive and well ... v205 p178 13 July 79. SO₂ pollution may be good for plants. v205 p383 27 July 79.
- May, Robert M.; Beddington, John R.; Clark, Colin W.; Holt, Sidney J.; Laws, Richard M.: Management of multispecies fisheries. v205 p267-277 20 July 79.
- Mayo, Clara: review of *Sensitivity to Non-verbal Communication*, by Robert Rosenthal, Judith A. Hall, M. Robin DiMatteo, Peter L. Rogers, and Dane Archer. v205 p1370 28 Sep 79.
- Mayr, H. G. See Brace, L. H.
- McCarthy, Charles R.: Research subjects: rights and regulations (letter). v205 p855-856 31 Aug 79.
- McCleese, D. J. See Taylor, F. W.
- McCorkle, R.; Angilello, J.; Coleman, G.; Feder, R.; La Placa, S. J.: Flash x-ray microscopy. v205 p401-402 27 July 79.
- McDaniel, C. K. See Hammel, E. A.
- McElroy, M. B. See Hoffman, J. H.
- McEvilly, T. V. See Bakun, W. H.
- McEwan, J. A. See Gersch, Will.
- McGee, Henry A., Jr.: Camaraderie, not animosity (letter). v205 p856 31 Aug 79.
- McGill, George E. See Pettengill, Gordon H.
- McGillivray, Philip A. See Harvey, George R.
- McGinty, Dennis J. and Baker, Theodore: Cardiopulmonary changes in kittens during sleep (technical comment). v205 p1040 7 Sep 79.
- McInnes, K. L. See Taylor, H. W.
- McLean, Dewey M.: Floras and oxygen (technical comment). v205 p1302 21 Sep 79.
- McMillan, Edwin M. See Anfinsen, Christian B.
- McTague, John P.: review of *The Molten State of Matter*, by A. R. Urbelohde. v205 p294-295 20 July 79.
- McVoy, K. W.: review of *Ions Lourds et Mésons en Physique Nucléaire*, edited by Roger Balian, Manque Rho, and Georges Ripka. v205 p486-487 3 Aug 79.
- Medd, Bruce H.: Sleeping pills and insomnia (letter). v205 p6-7 6 July 79.
- Meisch, Richard A. See Carroll, Marilyn E.
- Meltzoff, Andrew N. and Moore, M. Keith: Interpreting "imitative" responses in early infancy (technical comment). v205 p217-219 13 July 79.
- Mendelson, Wallace B. See Gillin, J. Christian.
- Mendez, Frances. See Liebeskind, Doreen.
- Mesulam, Marek-Marsel. See Van Hoesen, Gary W.
- Meyer, Ronald L.: Retinotectal projection in goldfish to an inappropriate region with a reversal in polarity. v205 p819-821 24 Aug 79.
- Mihalov, J. D. See Intriligator, D. S.
- Miller, David B. See Himel, Chester M.
- Miller, David C. See Kase, Manabu.
- Miller, Douglas L.; Nyborg, W. L.; Whitcomb, C. C.: Platelet aggregation induced by ultrasound under specialized conditions in vitro. v205 p505-507 3 Aug 79.
- Miller, K. L. See Knudsen, W. C.
- Miller, K. L. See Tedesco, T. A.
- Miller, N. E. See Dworkin, B. R.
- Miller, Richard L. See Tenser, Richard B.
- Misbin, Robert I.; O'Leary, J. Patrick; Pulkki-
- nen, Andrea: Insulin receptor binding in obesity: a reassessment. v205 p1003-1004 7 Sep 79.
- Miselis, Richard R.; Shapiro, Robert E.; Hand, Peter J.: Subfornical organ efferents to neural systems for control of body water. v205 p1022-1025 7 Sep 79.
- Mohnen, V. A. See Hogan, A. W.
- Molleus, P. See Rollins, D. E.
- Molliver, Mark E. See Morrison, John H.
- Montezinos, David. See Carpita, Nicholas.
- Moore, Bruce R. and Stuttard, Susan: Dr. Guthrie and *Felis domesticus* Or: tripping over the cat. v205 p1031-1033 7 Sep 79.
- Moore, Carol W. and Schmick, Ann: Genetic effects of impure and pure saccharin in yeast. v205 p1007-1010 7 Sep 79.
- Moore, M. Keith. See Meltzoff, Andrew N.
- Morgan, B. A. See Blundell, T. L.
- Morgan, C. See deGroat, W. C.
- Morgan, J. S. See Pilcher, C. B.
- Morris, Peter A.: Nuclear reactor operation (letter). v205 p148 13 July 79.
- Morrison, John H.; Molliver, Mark E.; Grzanna, Reinhard: Noradrenergic innervation of cerebral cortex: widespread effects of local cortical lesions. v205 p313-316 20 July 79.
- Morse, John W.; Mucci, Alfonso; Walter, Lynn M.; Kaminsky, Manfred S.: Magnesium interaction with the surface of calcite in seawater. v205 p904-905 31 Aug 79.
- Moscovitch, Morris and Smith, Lee C.: Differences in neural organization between individuals with inverted and noninverted handwriting postures. v205 p710-713 17 Aug 79.
- Mosier, A. R. See Hutchinson, G. L.
- Mraw, S. C. and Naas-O'Rourke, D. F.: Water in coal pores: low-temperature heat capacity behavior of the moisture in Wyodak coal. v205 p901-902 31 Aug 79.
- Mucci, Alfonso. See Morse, John W.
- Mueller, Robert A. See Mailman, Richard B.
- Muller, Jacqueline. See Kachadorian, William A.
- Müller, W. See Smith, J. L.
- Murphy, D. W. and Christian, P. A.: Solid state electrodes for high energy batteries. v205 p651-656 17 Aug 79.
- Mushak, Paul. See Mailman, Richard B.
- Muthukkaruppan, Vr. and Auerbach, R.: Angiogenesis in the mouse cornea. v205 p1416-1418 28 Sep 79.
- Myers, Richard H. and Shafer, David A.: Hybrid ape offspring of a mating of gibbon and siamang. v205 p308-310 20 July 79.
- N**
- Naas-O'Rourke, D. F. See Mraw, S. C.
- Nadelhaft, I. See deGroat, W. C.
- Nag, Asish C.; Healy, Christopher J.; Cheng, Mei: DNA synthesis and mitosis in adult amphibian cardiac muscle cells in vitro. v205 p1281-1282 21 Sep 79.
- Nagase, Sumi; Shimamune, Kane; Shumiya, Seigo: Albumin-deficient rat mutant. v205 p590-591 10 Aug 79.
- Nagy, A. F.; Cravens, T. E.; Chen, R. H.; Taylor, H. A., Jr.; Brace, L. H.; Brinton, H. C.: Comparison of calculated and measured ion densities on the dayside of Venus. v205 p107-109 6 July 79.
- Nagy, A. F. See Brace, L. H.
- Nagy, A. F. See Kliore, A. J.
- Nance, W. E. See Rose, Richard J.
- Nealon, K. H.: review of *Bioluminescence in Action*, edited by Peter J. Herring. v205 p893 31 Aug 79.
- Nelson, Gareth: review of *Sensory Biology of Sharks, Skates, and Rays*, edited by Edward S. Hodgson and Robert F. Mathewson. v205 p387 27 July 79.
- Nelson, Hans. See Kvenvolden, Keith A.
- Newman, Stuart A. and Frisch, H. L.: Dynamics of skeletal pattern formation in developing chick limb. v205 p662-668 17 Aug 79.
- Neyman, Jerzy: Human cancer: radiation and chemicals compete (letter). v205 p259-260 20 July 79.
- Nicholson, Anne and Lepow, Irwin H.: Host defense against *Neisseria meningitidis* requires a complement-dependent bactericidal activity. v205 p298-299 20 July 79.
- Nicholson, J. Y. See Keating, G. M.
- Niedel, James E.; Kahane, Itzhak; Cuatrecasas, Pedro: Receptor-mediated internalization of fluorescent chemotactic peptide by human neutrophils. v205 p1412-1414 28 Sep 79.
- Nielson, Sigurd O.: Risks and public policy (letter). v205 p748-749 24 Aug 79.
- Niemann, H. B.; Hartle, R. E.; Hedin, A. E.; Kasprzak, W. T.; Spencer, N. W.; Hunten, D. M.; Carignan, G. R.: Venus upper atmosphere neutral gas composition: first observations of the diurnal variations. v205 p54-56 6 July 79.
- Niemann, H. B. See Brace, L. H.
- Noda, Hiroharu. See Kase, Manabu.
- Novak, V. See Knudsen, W. C.
- Nur, Amos. See Sprunt, Eve S.
- Nyborg, W. L. See Miller, Douglas L.
- O**
- Oblad, Alex G.: Synfuel development (letter). v205 p1204 21 Sep 79.
- Oehler, Dorothy Z.; Oehler, John H.; Stewart, Alastair J.: Algal fossils from a Late Precambrian, hypersaline lagoon. v205 p388-390 27 July 79.
- Oehler, John H. See Oehler, Dorothy Z.
- Ogawa, S. See Shulman, R. G.
- Ojemann, George and Mateer, Catherine: Human language cortex: localization of memory, syntax, and sequential phoneme-identification systems. v205 p1401-1403 28 Sep 79.
- O'Leary, J. Patrick. See Misbin, Robert I.
- Olive, Susan. See Fox, Marye Anne.
- Orbach, Raymond: Basic research: the need for lateral movement (editorial). v205 p149 13 July 79.
- Ormerod, John G.: review of *The Photosynthetic Bacteria*, edited by Roderick K. Clayton and William R. Sistrom. v205 p295 20 July 79.
- Ornstein, Robert E. See Herron, Jeannine.
- Osterbrock, Donald E.: review of *Cosmic Dust*, by Peter G. Martin. v205 p294 20 July 79.
- Overton, Donald A.: Drug discrimination training with progressively lowered doses. v205 p720-721 17 Aug 79.
- Oyama, V. I.; Carle, G. C.; Woeller, F.; Pollock, J. B.: Laboratory corroboration of the Pioneer Venus gas chromatograph analyses. v205 p52-54 6 July 79.
- P**
- Paine, R. T.: Disaster, catastrophe, and local persistence of the sea palm *Postelsia palmaeformis*. v205 p685-687 17 Aug 79.
- Palmer, R. A. See Blundell, T. L.
- Pandey, Ghanshyam N. See Dorus, Elizabeth.
- Pape, Courtney. See Himel, Chester M.
- Parasuraman, Raja: Memory load and event rate control sensitivity decrements in sustained attention. v205 p924-927 31 Aug 79.
- Parsons, Donald S.: Nuclear risk (letter). v205 p122 6 July 79.
- Patel, I. R. See Kliore, A. J.
- Paul, Steven M. See MacDonald, J. Ferguson.
- Pearlstein, Robert D. See Kramer, Richard S.
- Penzias, Arno A.: The origin of the elements. v205 p549-554 10 Aug 79.
- Peterson, Harold T., Jr.: Nuclear industry: safety record (letter). v205 p544-545 10 Aug 79.
- Pettengill, Gordon H.; Ford, Peter G.; Brown, Walter E.; Kaula, William M.; Masursky, Harold; Eliason, Eric; ill, George E.: Venus: preliminary topographic and surface imag-

AUTHOR INDEX TO VOLUME 205

- ing results from the Pioneer orbiter. v205 p90-93 6 July 79.
- Phillips, O. M.: review of *Energy from the Waves*, by David Ross. v205 p780 24 Aug 79.
- Phillips, Roger J.; Sjogren, William L.; Abbott, Elsa A.; Smith, John C.; Wimberly, Ray N.; Wagner, Carl A.: Gravity field of Venus: a preliminary analysis. v205 p93-96 6 July 79.
- Pickering, T. G. See Dworkin, B. R.
- Pickett, Ronald M. See Swets, John A.
- Pietsch, Theodore W. See Grobecker, David B.
- Pilcher, C. B. and Morgan, J. S.: Detection of singly ionized oxygen around Jupiter. v205 p297-298 20 July 79.
- Pinter, P. J., Jr.; Stanghellini, M. E.; Reginato, R. J.; Idso, S. B.; Jenkins, A. D.; Jackson, R. D.: Remote detection of biological stresses in plants with infrared thermometry. v205 p585-587 10 Aug 79.
- Pittman, Q. J. See Renaud, L. P.
- La Placa, S. J. See McCorkle, R.
- Podney, Walter and Sager, Ronald: Measurement of fluctuating magnetic gradients originating from oceanic internal waves. v205 p1380-1382 28 Sep 79.
- Pollack, J. B. See Oyama, V. I.
- Pollack, James B.; Ragent, Boris; Boese, Robert; Tomasko, Martin G.; Blamont, Jacques; Knollenberg, Robert G.; Esposito, Larry W.; Stewart, A. Ian; Travis, Lawrence: Nature of the ultraviolet absorber in the Venus clouds: inferences based on Pioneer Venus data. v205 p76-79 6 July 79.
- Pollack, James R. and Black, David C.: Implications of the gas compositional measurements of Pioneer Venus for the origin of planetary atmospheres. v205 p56-59 6 July 79.
- Pontryagin, L. S.: Soviet anti-Semitism: reply by Pontryagin (letter). v205 p1083-1084 14 Sep 79.
- Poovaiah, B. W. See Artega, R. N.
- Possanza, Genus; Cohen, Marion C.; Yoshida, Takeshi; Cohen, Stanley: Human macrophage migration inhibition factor: evidence for subunit structure. v205 p300-301 20 July 79.
- Prausnitz, J. M.: Molecular thermodynamics for chemical process design. v205 p759-766 24 Aug 79.
- Price, Richard W.: 6-Hydroxydopamine potentiates acute herpes simplex virus infection of the superior cervical ganglion in mice. v205 p518-520 3 Aug 79.
- Prinn, R. G. See Counselman, C. C., III.
- Prinz, Martin: review of *Proceedings of the Second International Kimberlite Conference*, edited by F. R. Boyd and Henry O. A. Meyer. v205 p683-684 17 Aug 79.
- Pulkkinen, Andrea. See Misbin, Robert I.
- Purcell, Robert H. See Shimizu, Yohko K.
- ## Q and R
- Quast, John V. See Reitz, Richard H.
- Quester, George H.: review of *Arms Control and SALT II*, by W. K. H. Panofsky and *The SALT Experience*, by Thomas W. Wolfe. v205 p1120-1122 14 Sep 79.
- Rabinowitz, P. See Cox, D. M.
- Ragent, Boris. See Blamont, Jacques.
- Ragent, Boris. See Pollack, James B.
- Rane, A. See Rollins, D. E.
- Ransil, Bernard J. See Goldberg, Itzhak D.
- Raper, Jonathan A.: Nonimpulse-mediated synaptic transmission during the generation of a cyclic motor program. v205 p304-306 20 July 79.
- Rapp, Fred. See Tenser, Richard B.
- Rebitzer, J. See Herendeen, R. A.
- Regan, D. and Beverley, K. I.: Visually guided locomotion: psychophysical evidence for a neural mechanism sensitive to flow patterns. v205 p311-313 20 July 79.
- Reginato, R. J. See Pinter, P. J., Jr.
- Reh, Thomas. See Kalil, Katherine.
- Rehfeld, Jens F. See Larsson, Lars-Inge.
- Reinhold, V. See Fajen, J. M.
- Reisberg, Barry. See Ferris, Steven H.
- Reiswig, Henry M.: review of *Sponges*, by Patricia R. Bergquist. v205 p993-994 7 Sep 79.
- Reitsema, Harold J.: Reliability of minor planet satellite observations. v205 p185-186 13 July 79.
- Reitz, Richard H.; Quast, John V.; Watanabe, Philip G.; Gehring, Perry J.: Chemical carcinogens: estimating the risk (letter). v205 p1206-1208 21 Sep 79.
- Renaud, L. P.; Blume, H. W.; Pittman, Q. J.; Lamour, Y.; Tan, A. T.: Thyrotropin-releasing hormone selectively depresses glutamate excitation of cerebral cortical neurons. v205 p1275-1277 21 Sep 79.
- Renwick, A. G. See Sweatman, T. W.
- Requejo, Adolfo G. See Harvey, George R.
- Revercomb, H. E. See Suomi, V. E.
- Rhim, John Sik. See Cho, Han Yong.
- Rhine, J. B.: Parapsychology—a correction (letter). v205 p144 13 July 79.
- Ribak, Charles E.; Harris, A. Basil; Vaughn, James E.; Roberts, Eugene: Inhibitory, GABAergic nerve terminals decrease at sites of focal epilepsy. v205 p211-214 13 July 79.
- Rice, Don S.: review of *Prehistoric Coastal Adaptations*, edited by Barbara L. Stark and Barbara Voorhies. v205 p 40 6 July 79.
- Rigler, Frank H. See Cornett, R. Jack.
- Rizos, C. See Mather, R. S.
- Roark, Anne C.: U.N. technology meeting lacked clear direction (news and comment). v205 p1236-1238 21 Sep 79.
- Robbins, Anthony: Dioxin studies (letter). v205 p1332 28 Sep 79.
- Roberts, D. H.; Greenfield, P. E.; Burke, B. F.: The double quasar 0957+561: a radio study at 6-centimeters wavelength. v205 p894-896 31 Aug 79.
- Roberts, Eugene. See Ribak, Charles E.
- Robinson, Arthur L. (research news): How to do EXAFS in your own laboratory. v205 p1367 28 Sep 79. Making nondestructive evaluation a science. v205 p477-479 3 Aug 79. New evidence for fifth quark. v205 p777 24 Aug 79. New testing methods could boost air safety. v205 p29-31 6 July 79. Plasmas produce very intense x-ray pulses. v205 p1238-1241 21 Sep 79.
- Robinson, Barbara. See Robinson, Michael H.
- Robinson, Michael H. and Robinson, Barbara: By dawn's early light: matutinal mating and sex attractants in a neotropical mantid. v205 p825-827 24 Aug 79.
- Robinson, Robert G.: Differential behavioral and biochemical effects of right and left hemispheric cerebral infarction in the rat. v205 p707-710 17 Aug 79.
- Robinson, T. J.; Archer, J. A.; Gambhir, K. K.; Hollis, V. W., Jr.; Carter, L.; Bradley, C.: Erythrocytes: a new cell type for the evaluation of insulin receptor defects in diabetic humans. v205 p200-202 13 July 79.
- Roehrig, Paul G.: Nitrite study (letter). v205 p356 27 July 79.
- Rohrer, Douglas C. See Fullerton, Dwight S.
- Rollins, D. E.; von Bahr, C.; Glaumann, H.; Moldeus, P.; Rane, A.: Acetaminophen: potentially toxic metabolite formed by human fetal and adult liver microsomes and isolated fetal liver cells. v205 p1414-1416 28 Sep 79.
- Root, Richard B.: review of *Diversity of Insect Faunas*, edited by L. A. Mound and N. Waloff. v205 p484-485 3 Aug 79.
- Rose, Richard J.; Harris, E. L.; Christian, J. C.; Nance, W. E.: Genetic variance in non-verbal intelligence: data from the kinships of identical twins. v205 p1153-1155 14 Sep 79.
- Rosen, Joseph D. See Schuphan, Ingolf.
- Rosene, Douglas L. See Van Hoesen, Gary W.
- Rosenfeld, Rachel. See Marwell, Gerald.
- Ross, Maureen; Berger, Philip A.; Goldstein, Avram: Plasma β -endorphin immuno-reactivity in schizophrenia. v205 p1163-1164 14 Sep 79.
- Rosow, W. B. See Travis, L. D.
- Rosvold, H. E. See Brozoski, Thomas J.
- Roth, L. J. See Dinerstein, R. J.
- Roth, R. H. See Bacopoulos, N. G.
- Rounbehler, D. P. See Fajen, J. M.
- Rowe, Wallace P. See Israel, Mark A.
- Rubin, Donald B. and Stigler, Stephen M.: Dorfman's data analysis (letter). v205 p1204-1206 21 Sep 79.
- Rudich, Stephen W. See Kachadorian, William A.
- Rutherford, John A.: Chemical coal cleaning (letter). v205 p540 10 Aug 79.
- Runcorn, S. K. See Coleman, P. J., Jr.
- Russell, C. T.; Elphic, R. C.; Slavin, J. A.: Initial Pioneer Venus magnetic field results: nightside observations. v205 p114-116 6 July 79.
- Russell, C. T. See Taylor, W. W. L.
- Russell, M. A.: review of *Genetic Mosaics and Cell Differentiation*, edited by V. J. Gehring. v205 p1370-1371 28 Sep 79.
- Ruttan, Vernon W. See Evenson, Robert E.
- ## S
- Saba, Hussain I.; Saba, Sabiha R.; Blackburn, Cynthia A.; Hartmann, Robert C.; Mason, Reginald G.: Heparin neutralization of PG I_2 : effects upon platelets. v205 p499-501 3 Aug 79.
- Saba, Sabiha R. See Saba, Hussain I.
- Sabularse, Dario. See Carpita, Nicholas.
- Sachs, R. M. See Zurek, P. M.
- Sager, Ronald. See Podney, Walter.
- Saleh, Mahmoud Abbas. See Hooper, N. Kim.
- Saitiel, Albert. See Arnold, Arthur P.
- Sasame, Henry A. See Boyd, Suellen C.
- Sathananthan, Gregory. See Ferris, Steven H.
- Savaki, Helen. See Schwartz, William J.
- Saville, E. See Wimpfheimer, C.
- Scarf, F. L. See Taylor, W. W. L.
- Schauble, T. See deGroat, W. C.
- Scheltema, Rudolf S.: review of *Settlement and Metamorphosis of Marine Invertebrate Larvae*, edited by Fu-Shiang Chia and Mary E. Rice. v205 p181-182 13 July 79.
- Scheuer, Paul J. See Ireland, Chris.
- Schiavone, Karen. See Sherline, Peter.
- Schild, Romauld. See Wendorff, Fred.
- Schmick, Ann. See Moore, Carol W.
- Schmitt, Brian C. and Ache, Barry W.: Olfaction: responses of a decapod crustacean are enhanced by flicking. v205 p204-206 13 July 79.
- Schneider, Imogene. See Alving, Carl R.
- Schneider, Jane: review of *Women United, Women Divided*, edited by Patricia Caplan and Janet M. Bujra. v205 p680-681 17 Aug 79.
- Schnipper, Lowell E. See Goldberg, Itzhak D.
- Schnur, James A. See Swets, John A.
- Schofield, J. T. See Taylor, F. W.
- Schoroderet-Slatkine, Sabine. See El-Etr, Martine.
- Schultz, Edward. See Lipton, Bruce H.
- Schuphan, Ingolf; Rosen, Joseph D.; Casida, John E.: Novel activation mechanism for the promutagenic herbicide diallate. v205 p1013-1015 7 Sep 79.
- Schwaber, Jerrold. See Edelson, Paul J.
- Schwartz, H. P. See Gascoyne, M.
- Schwartz, J. P. See Barbaldi, M.
- Schwartz, Robert M. and Dayhoff, Margaret O.: Protein and nucleic acid sequence data and phylogeny (technical comment). v205 p1038-1039 7 Sep 79.
- Schwartz, Thue W. See Larsson, Lars-Inge.
- Schwartz, William J.; Smith, Carolyn B.; Davidsen, Leslie; Savaki, Helen; Sokoloff, Louis; Mata, Marina; Fink, David J.; Gainer, Harold: Metabolic mapping of functional activity in the hypothalamo-neurohypophyseal

- system of the rat. v205 p723-725 17 Aug 79.
- Seiff, Alvin; Kirk, Donn B.; Young, Richard E.; Sommer, Simon C.; Blanchard, Robert C.; Findlay, John T.; Kelly, G. M.: Thermal contrast in the atmosphere of Venus: initial appraisal from Pioneer Venus probe data. v205 p46-48 6 July 79.
- Seukler, Robert. See Marshak, William.
- Seyferth, Dietmar: review of *Reactive Intermediates*, edited by Maitland Jones, Jr., and Robert A. Moss. v205 p487-488 3 Aug 79.
- Seyfried, Thomas N.; Glaser, Gilbert H.; Yu, Robert K.: Thyroid hormone influence on the susceptibility of mice to audiogenic seizures. v205 p598-600 10 Aug 79.
- Shafer, David A. See Myers, Richard H.
- Shapiro, Robert E. See Miselis, Richard R.
- Shaughnessy, Rita. See Dorus, Elizabeth.
- Sherline, Peter; Schiavone, Karen; Brocato, Susan: Endogenous inhibitor of colchicine-tubulin binding in rat brain. v205 p593-595 10 Aug 79.
- Sherwood, Morgan: review of *Minerals, Lands, and Geology for the Common Defense and General Welfare*, by Mary C. Rabbitt. v205 p891-893 31 Aug 79.
- Shimamune, Kane. See Nagase, Sumi.
- Shimizu, Yohko K.; Feinstein, Stephen M.; Purcell, Robert H.; Alter, Harvey J.; London, William T.: Non-A, Non-B hepatitis: ultrastructural evidence for two agents in experimentally infected chimpanzees. v205 p197-200 13 July 79.
- Shizgal, Peter. See Amir, Shimon.
- Shubik, Philippe and Clayton, David B.: NCI bioassay program (letter). v205 p746, 748 24 Aug 79.
- Shulman, R. G.; Brown, T. R.; Ugurbil, K.; Ogawa, S.; Cohen, S. M.; den Hollander, J. A.: Cellular applications of ^{31}P and ^{13}C nuclear magnetic resonance. v205 p160-166 13 July 79.
- Shumiya, Seigo. See Nagase, Sumi.
- Sievers, Robert E.: review of *Metal β -Diketonates and Allied Derivatives*, by R. C. Mehrotra, R. Bohra, and D. P. Gaur. v205 p1255-1256 21 Sep 79.
- Siggins, G. R. See Ziegglänsberger, W.
- Silbergeld, Ellen K. See Lafferman, Jeffrey A.
- Simpson, Ian. See Flagg-Newton, Jean.
- Sjogren, W. J. See Coleman, P. J., Jr.
- Sjogren, William L. See Phillips, Roger J.
- Sklar, Lawrence S. and Anisman, Hymie: Stress and coping factors influence tumor growth. v205 p513-515 3 Aug 79.
- Skolnick, Philip. See MacDonald, J. Ferguson.
- Skrabut, Eugene M. See Catsimpoolas, Nicholas.
- Slavin, J. A. See Russell, C. T.
- Slavin, James A. See Kivelson, Margaret G.
- Smale, Stephen: Continuation methods (letter). v205 p122 6 July 79.
- Smith, Carolyn B. See Schwartz, William J.
- Smith, Earl L., III. See Boltz, Roger L.
- Smith, G. D. See Blundell, T. L.
- Smith, Hamilton O.: Nucleotide sequence specificity of restriction endonucleases. v205 p455-462 3 Aug 79.
- Smith, J. L.; Spirlet, J. C.; Müller, W.: Superconducting properties of protactinium. v205 p188-190 13 July 79.
- Smith, John C. See Phillips, Roger J.
- Smith, Lee C. See Moscovitch, Morris.
- Smith, O. E. See Artega, R. N.
- Smith, Peter H. See Tomasko, Martin G.
- Smith, R. Jeffrey (news and comment): Academics and spies achieve détente. v205 p282 20 July 79. Air is once again rent by drug lag claims. v205 p283 20 July 79. (letter): Asbestos legislation. v205 p355-356 27 July 79. (news and comment): Carter loses on breeder reactor, again. v205 p773 24 Aug 79. Exxon invents energy device, eyes huge firm. v205 p169-170 13 July 79. Joint statement issued by CDC, HEW, NIEHS. v205 p282 20 July 79. Philippine president halts reactor construction. v205 p22 6 July 79. Postscripts. v205 p22-23 6 July 79. Snapshots of Camp David. v205 p379 27 July 79. Test coaching dispute lingers. v205 p1114 14 Sep 79. Thermidor at OTA. v205 p570 10 Aug 79. "Truth-in-testing" attracts diverse support. v205 p1110-1112, 1113-1114 14 Sep 79.
- Smith, Robert L.: Repeated copulation and sperm precedence: paternity assurance for a male brooding water bug. v205 p1029-1031 7 Sep 79.
- Sokoloff, Louis. See Schwartz, William J.
- Solomon, Fredric. See Anlyan, William G.
- Solomon, Fredric. See Gillin, J. Christian.
- Solomon, Sean C. See Coleman, P. J., Jr.
- Sommer, Simon C. See Seiff, Alvin.
- Sonnett, C. P. See Coleman, P. J., Jr.
- Southwood, David J. See Kivelson, Margaret G.
- Spalding, R. E. See Evans, W. D.
- Speizer, Jeanne J. See Hornig, Lilli S.
- Spencer, N. W. See Niemann, H. B.
- Spenner, K. See Knudsen, W. C.
- Spilerman, Seymour. See Marwell, Gerald.
- Spindel, William: Jargon and "the juice" (letter). v205 p446 3 Aug 79.
- Spirlet, J. C. See Smith, J. L.
- Spokes, E. G. See Bacopoulos, N. G.
- Spreiter, J. R. See Knudsen, W. C.
- Sprunt, Eve S. and Nur, Amos: Microcracking and healing in granites: new evidence from cathodoluminescence. v205 p495-497 3 Aug 79.
- Sromovsky, L. A. See Suomi, V. E.
- Staats, Elmer B.: Federal research grants. v205 p18-20 6 July 79.
- Stanghellini, M. E. See Pinter, P. J., Jr.
- Steck, Edgar A. See Alving, Carl R.
- Stein, Barry E. See Gaither, Neal S.
- Stemberman, Michael B. See Goldberg, Itzhak D.
- Stephan, G. Edward: Political subdivision and population density (technical comment). v205 p219-220 13 July 79.
- Stevens, Cynthia. See Hinman, Lois M.
- Stevens, David R. and Klemm, W. R.: Morphine-naloxone interactions: a role for non-specific morphine excitatory effects in withdrawal. v205 p1379-1380 28 Sep 79.
- Stewart, A. Ian. See Pollack, James B.
- Stewart, A. Ian and Barth, Charles A.: Ultraviolet night airglow of Venus. v205 p59-62 6 July 79.
- Stewart, Alastair J. See Oehler, Dorothy Z.
- Stewart, Randall R. See Hartman, H. Bernard.
- Stigler, Stephen M. See Rubin, Donald B.
- Stoffer, James O. See Friberg, Stig E.
- Stokes, Bruce: Self-care: a nation's best health insurance (editorial). v205 p547 10 Aug 79.
- Stone, P. H. See Travis, L. D.
- Streit, Peter; Knecht, Eva; Cuénod, Michel: Transmitter-specific retrograde labeling in the striato-nigral and raphe-nigral pathways. v205 p306-308 20 July 79.
- Strom, Stephen E.: review of *Stars*, by Josif S. Shklovskii. v205 p893 31 Aug 79.
- Stuttard, Susan. See Moore, Bruce R.
- Sullivan, Marcia D. See Donahoe, Patricia K.
- Suomi, V. E.; Sromovsky, L. A.; Revercomb, H. E.: Preliminary results of the Pioneer Venus small probe net flux radiometer experiment. v205 p82-85 6 July 79.
- Suzuki, David A. See Kase, Manabu.
- Svoboda, J. See Taylor, H. W.
- Swann, David A. See Donahoe, Patricia K.
- Swartz, Glenn M., Jr. See Alving, Carl R.
- Swartz, Harold M.: Dysmenorrhea treatment (letter). v205 p749 24 Aug 79.
- Sweatman, T. W. and Renwick, A. G.: Saccharin metabolism and tumorigenicity. v205 p1019-1020 7 Sep 79.
- Swets, Joel B. See Swets, John A.
- Swets, John A.; Pickett, Ronald M.; Whitehead, Susan F.; Getty, David J.; Schnur, James A.; Swets, Joel B.; Freeman, Barbara A.: Assessment of diagnostic technologies. v205 p753-759 24 Aug 79.
- Szybalski, W. See Vollenweider, H. J.
- Tan, A. T. See Renaud, L. P.
- Tannenbaum, Steven R.: Nitrate and nitrite: origin in humans (letter). v205 p1332-1335 28 Sep 79.
- Tatsumoto, Mitsunobu. See Basu, Asish R.
- Tattersall, Ian: review of *The Study of Primate Behavior*, edited by G. A. Doyle and R. D. Martin. v205 p684 17 Aug 79.
- Taylor, F. W.; Diner, D. J.; Elson, L. S.; McCleese, D. J.; Martonchik, J. V.; Delderfield, J.; Bradley, S. P.; Schofield, J. T.; Gille, J. C.; Coffey, M. T.: Temperature, cloud structure, and dynamics of Venus middle atmosphere by infrared remote sensing from Pioneer orbiter. v205 p65-67 6 July 79.
- Taylor, F. W. See Keating, G. M.
- Taylor, H. A., Jr. See Nagy, A. F.
- Taylor, H. W.; Hutchison, E. A.; McInnes, K. L.; Svoboda, J.: Cosmos 954 search for airborne radioactivity on lichens in the crash area, Northwest Territories, Canada. v205 p1383-1385 28 Sep 79.
- Taylor, Harry A., Jr.; Brinton, Henry C.; Bauer, Siegfried J.; Hartle, Richard E.; Cloutier, Paul A.; Daniell, Robert E., Jr.; Donahue, Thomas M.: Ionosphere of Venus: first observations of day-night variations of the ion composition. v205 p96-99 6 July 79.
- Taylor, Harry A., Jr. See Bauer, Siegfried J.
- Taylor, Jeffrey L. See Himel, Chester M.
- Taylor, W. W. L.; Scarf, F. L.; Russell, C. T.; Brace, L. H.: Absorption of whistler mode waves in the ionosphere of Venus. v205 p112-114 6 July 79.
- Tech, E. R. See Evans, W. D.
- Tedesco, T. A. and Miller, K. L.: Galactosemia: alterations in sulfate metabolism secondary to galactose-1-phosphate uridylyltransferase deficiency. v205 p1395-1397 28 Sep 79.
- Tenser, Richard B.; Miller, Richard L.; Rapp, Fred: Trigeminal ganglion infection by thymidine kinase-negative mutants of herpes simplex virus. v205 p915-917 31 Aug 79.
- Theis, R. F. See Brace, L. H.
- Theodoropoulos, Theodor; Braverman, Lewis E.; Vagenakis, Apostolos G.: Iodide-induced hypothyroidism: a potential hazard during perinatal life. v205 p502-503 3 Aug 79.
- Thomas, Robert H.: West Antarctic ice sheet: present-day thinning and Holocene retreat of the margins. v205 p1257-1258 21 Sep 79.
- Thompson, Richard F. See Berry, Stephen D.
- Thornhill, Randy: Adaptive female-mimicking behavior in a scorpionfly. v205 p412-414 27 July 79.
- Thresher, Ronald E.: review of *Contrasts in Behavior*, edited by Ernst S. Reese and Frederick J. Lighter. v205 p485 3 Aug 79.
- Thundathil, Raju. See Friberg, Stig E.
- Tickle, I. J. See Blundell, T. L.
- Timmer, C. Peter: review of *Distortions of Agricultural Incentives*, edited by Theodore W. Schultz. v205 p385-386 27 July 79.
- Tokar, John M. See Harvey, George R.
- Toplin, Martha. See Hornig, Lilli S.
- Tomasko, Martin G.; Doose, Lyn R.; Smith, Peter H.: Absorption of sunlight in the atmosphere of Venus. v205 p80-82 6 July 79.
- Tomasko, Martin G. See Pollack, James B.
- Tomlinson, Holly R. See Uman, Myron F.
- Travis, L. D.; Coffeen, D. L.; Del Genio, A. D.; Hansen, J. E.; Kawabata, K.; Lacis, A. A.; Lane, W. A.; Limaye, S. S.; Rossow, W. B.; Stone, P. H.: Cloud images from the Pioneer Venus orbiter. v205 p74-76 6 July 79.
- Travis, Lawrence. See Pollack, James B.
- Trigger, Bruce C.: review of *Cultural Materialism*, by Marvin Harris. v205 p890-891 31 Aug 79.
- Trulson, Michael E. and Jacobs, Barry L.: Dissociations between the effects of LSD on behavior and raphe unit activity in freely moving cats. v205 p515-518 3 Aug 79.
- Long-term amphetamine treatment de-

AUTHOR INDEX TO VOLUME 205

creases brain serotonin metabolism: implications for theories of schizophrenia. v205 p1295-1297 21 Sep 79.
 Tuckwell, Henry C.: Solitons in a reaction-diffusion system. v205 p493-495 3 Aug 79.
 Tulunay-Keesey, U. See Cleland, B. G.

U and V

Ugurbil, K. See Shulman, R. G.
 Uman, Myron F.; James, William R.; Tomlinson, Holly R.: Oil and gas in offshore tracts: estimates before and after drilling. v205 p489-491 3 Aug 79.
 Upton, Arthur C.: NCI bioassay program (letter). v205 p746 24 Aug 79.
 Usanga, Essen A. See Luzzatto, Lucio.
 Vagenakis, Apostolos G. See Theodoropoulos, Theodor.
 Vail, David: review of *Organic Agriculture*, by Robert C. Oelhaf. v205 p180-181 13 July 79.
 Val, Eduardo. See Dorus, Elizabeth.
 Valeri, C. Robert. See Catsimpoolas, Nicholas.
 van den Heuvel, Edward P. J.: review of *Theory of Rotating Stars*, by Jean-Louis Tasoul. v205 p579 10 Aug 79.
 Van Hoesen, Gary W.; Rose, Douglas L.; Mesulam, Marek-Marsel: Subicular input from temporal cortex in the rhesus monkey. v205 p608-610 10 Aug 79.
 Van Valen, Leigh: Floras and oxygen (technical comment). v205 p1301 21 Sep 79.
 Vannice, J. See Dinerstein, R. J.
 Vartsky, David. See Ellis, Kenneth J.
 Vaughn, James E. See Ribak, Charles E.
 Verma, Desh Pal S. See Legocki, Roman P.
 Vilcek, Jan: Interferon (letter). v205 p1085 14 Sep 79.
 Vincent, Jean-Didier and Barker, Jeffery L.: Substance P: evidence for diverse roles in neuronal function from cultured mouse spinal neurons. v205 p1409-1412 28 Sep 79.
 Vining, Daniel R., Jr.; Yang, Chung-Hsin; Yeh, Shi-Tao: Political subdivision and population density (technical comment). v205 p219 13 July 79.
 Vita, R. See Fajen, J. M.
 Voirol, M. J. See Wimpfheimer, C.
 Vollenweider, H. J.; Fiandt, M.; Szybalski, W.: A relationship between DNA helix stability and recognition sites for RNA polymerase. v205 p508-511 3 Aug 79.
 Vollrath, Fritz: Vibrations: their signal function for a spider kleptoparasite. v205 p1149-1151 14 Sep 79.
 von Bahr, C. See Rollins, D. E.
 Vorhees, Charles V.; Brunner, Robert L.; Butcher, Richard E.: Psychotropic drugs as behavioral teratogens. v205 p1220-1225 21 Sep 79.

W

Wachter, K. W. See Hammel, E. A.
 Wade, Nicholas: (news and comment): Airplane magnate donates \$500,000 for psi research. v205 p1359 28 Sep 79. Kennedy leaves as FDA commissioner. v205 p173-174 13 July 79. Major relaxation in DNA rules. v205 p1238 21 Sep 79. National lab head quits, citing apathy by DOE. v205

p1359 28 Sep 79. New science director at NIH. v205 p1359 28 Sep 79. Science in Russia is full of holes. v205 p284 20 July 79. Synfuels in haste, repent at leisure. v205 p167-168 13 July 79.
 Waggoner, Paul E. See Evenson, Robert E.
 Wagner, Carl A. See Phillips, Roger J.
 Walcott, Charles; Gould, James L.; Kirschvink, J. L.: Pigeons have magnets. v205 p1027-1029 7 Sep 79.
 Walsh, John: (news and comment): AAAS IV is curtain raiser on innovation. v205 p24-26 6 July 79. Development institute derailed. v205 p25 6 July 79. Local option affects U.S.-Soviet exchanges. v205 p875-878 31 Aug 79. Pentagon plans boost for basic research. v205 p566-568 10 Aug 79. The Proxmire decision a caution to Congress. v205 p170-171 13 July 79. Test tube fertilization research seen acceptable. v205 p171 13 July 79. What can government do for innovation? v205 p378-380 27 July 79.
 Walsh, R. N. See Cummins, R. A.
 Walter, Lynn M. See Morse, John W.
 Walther, W. William. See Hartman, H. Bernard.
 Watanabe, Philip G. See Reitz, Richard H.
 Watanabe, Takao K. and Kawanishi, Masaaki: Mating preference and the direction of evolution in *Drosophila*. v205 p906-907 31 Aug 79.
 Watson, E. Bruce: Diffusion of cesium ions in water-saturated granitic melt. v205 p1259-1260 21 Sep 79.
 Webb, L. J.: review of *Patterns and Process in a Forested Ecosystem*, by F. Herbert Borrmann and Gene E. Likens. v205 p1369-1370 28 Sep 79.
 Wedeen, Richard P.: Lead enhancement of lithium-induced polydipsia (technical comment). v205 p725-726 17 Aug 79.
 Weiss, Gabrielle and Hechtman, Lily: The hyperactive child syndrome. v205 p1348-1354 28 Sep 79.
 Weiss, Mitchell J. and Levy, Dennis P.: Sperm in "parthenogenetic" freshwater gastrichids. v205 p302-303 20 July 79.
 Welch, R. M. See Macklin, A. W.
 Weliky, Karen. See Kvenvolden, Keith A.
 Wendorf, Fred; Schild, Romuald; El Hadidi, Nabil; Close, Angela E.; Kobusiewicz, Michael; Wieckowska, Hanna; Issawi, Bahay; Haas, Herbert: Use of barley in the Egyptian Late Paleolithic. v205 p1341-1347 28 Sep 79.
 Westman, Walter E.: Oxidant effects on Californian coastal sage scrub. v205 p1001-1003 7 Sep 79.
 Wheeler, John Archibald: Parapsychology—a correction (letter). v205 p144 13 July 79.
 Whitcomb, C. C. See Miller, Douglas L.
 White, Helen L.: 4-Aminobutyrate :2-oxo-glutarate aminotransferase in blood platelets. v205 p696-698 17 Aug 79.
 Whitehead, Susan F. See Swets, John A.
 Whitten, R. C. See Intriligator, D. S.
 Whitten, R. C. See Knudsen, W. C.
 Wieckowska, Hanna. See Wendorf, Fred.
 Wigner, E. P.: Nuclear reactor operation (letter). v205 p148 13 July 79.
 Wilbur, Henry M.: review of *Behavioural Ecology*, by J. R. Krebs and N. B. Davies. v205 p781 24 Aug 79.
 Wilkes, M. M. See Casper, R. F.
 Wilson, R. W.: The cosmic microwave back-ground radiation. v205 p866-874 31 Aug 79.
 Wilson, Robin: Weather prediction (letter). v205 p545 10 Aug 79.
 Wimberly, Ray N. See Phillips, Roger J.
 Wimpfheimer, C.; Saville, E.; Voirol, M. J.; Danforth, E., Jr.; Burger, A. G.: Starvation-induced decreased sensitivity of resting metabolic rate to triiodothyronine. v205 p1272-1273 21 Sep 79.
 Winchester, John W. See Lawson, Douglas R.
 Witter, James P.; Gatley, S. John; Balish, Edward: Nitrate and nitrite: origin in humans (letter). v205 p1335-1337 28 Sep 79.
 Woeller, F. See Oyama, V. I.
 Wolf, M. H. See Fajen, J. M.
 Wolfe, J. H. See Intriligator, D. S.
 Woo, Richard; Armstrong, J. W.; Kendall, William B.: Measurements of turbulence in the Venus atmosphere deduced from Pioneer Venus multiprobe radio scintillations. v205 p87-89 6 July 79.
 Wrather, Joan: Chinese scientists visit United States. (AAAS). v205 p35-36 6 July 79.
 Wurtman, Judith J. and Wurtman, Richard J.: Sucrose consumption early in life fails to modify the appetite of adult rats for sweet foods. v205 p321-322 20 July 79.
 Wurtman, Richard J. See Wurtman, Judith J.
 Wyman, T. S.: Energy: a greater risk? (letter). v205 p260, 262 20 July 79.

Y and Z

Yang, Chung-Hsin. See Vining, Daniel R., Jr.
 Yasumura, Seiichi. See Ellis, Kenneth J.
 Yatvin, Milton B.; Clifton, Kelly H.; Dennis, Warren H.: Hyperthermia and local anesthetics: potentiation of survival of tumor-bearing mice. v205 p195-196 13 July 79.
 Yanayos, A. Aristides; Dietz, Allan S.; Boxtel, R. Van: Isolation of a deep-sea barophilic bacterium and some of its growth characteristics. v205 p808-810 24 Aug 79.
 Yeh, Shi-Tao. See Vining, Daniel R., Jr.
 Yen, S. S. C. See Casper, R. F.
 Yonemoto, J. See Gersch, Will.
 Yorke, James A.: Continuation methods (letter). v205 p122 6 July 79.
 Yoshida, Takeshi. See Possanza, Genus.
 Yoshioka, Kouichi. See Fullerton, Dwight S.
 Young, Richard E. See Seiff, Alvin.
 Yoxen, Edward J.: review of *The Eighth Day of Creation*, by Horace Freeland Judson. v205 p1119-1120 14 Sep 79.
 Yu, Robert K. See Seyfried, Thomas N.
 Yunis, Jorge J. See Chandler, Mary E.
 Zaitlin, Milton: review of *Viroids and Viroid Diseases*, by T. O. Diener. v205 p992-993 7 Sep 79.
 Zanzi, Italo. See Ellis, Kenneth J.
 Zhou (Chow) Peiyuan: Scientific and technological exchanges between China and the United States. v205 p1354-1355 28 Sep 79.
 Ziegelmänsberger, W.; French, E. D.; Siggins, G. R.; Bloom, F. E.: Opioid peptides may excite hippocampal pyramidal neurons by inhibiting adjacent inhibitory interneurons. v205 p415-417 27 July 79.
 Zrenner, E. See Gouras, P.
 Zurek, P. M. and Sachs, R. M.: Combination tones at frequencies greater than primary tones. v205 p600-602 10 Aug 79.