

A

- AAAS: Eighth Washington meeting, 437; Election of officers, 1675; Human Factors Society, 1679
- Abbott, W. M. *See* Monaco, A. P., *et al.*
- Abelson, P. H. (*editorials*): The human use of computing machines, 253; The National Bureau of Standards, 939; NIH budget hearings, 579; Political realities and educational needs, 819; Pressure on basic research, 11; *Science* and the scientific community, 1473
- About plants: topics in plant biology, F. C. STEWARD *et al.*, *book review* by O. T. Solbrig, 855
- ABRAM, J., Tensor calculus through differential geometry, *book review* of, 1234
- Absence of short-term variability of CTA 102, J. M. Bologna *et al.*, 294
- Academic freedom for students (*letter*), R. Reger, 249
- ACE report: further inequalities in the academic ratings (*letter*), M. C. Henderson, 1335
- ACE report: quality ratings in the academic marketplace (*letter*), G. J. Wasserburg, 575
- Acrylonitrile polymerization in a miniaturized high-pressure optical cell, V. M. Zhulin *et al.*, 649
- Action of anionic and cationic nerve-blocking agents: experiment and interpretation, M. P. Blaustein and D. E. Goldman, 429
- Acute phase protein in serum of women using hormonal contraceptives, G. F. B. Schumacher, 901
- ADAMS, R. MCC., The evolution of urban societies: early Mesopotamia and prehispanic Mexico, *book review* of, 729; Land behind Baghdad, *book review* of, 518
- Addinall, R. L.: Cowardly patient (*letter*), 694
- Addition radicals formed by hydroxyl radical bombardment of uracil, J. N. Herak and W. Gordy, 1649
- ADIE, R. J. (Ed.), Antarctic geology, *book review* of, 52
- Additional safety measures for electrophoresis power supplies (*letter*), S. Raymond, 1336
- Adkins, R. J., *et al.*: Control of somatosensory input by cerebral cortex, 1020
- Adler, I.: Simplifying the formula (*letter*), 936
- Adler, J.: Chemotaxis in bacteria, 708
- Adler, W. *See* Lowe, C. U., *et al.*
- Advanced physical chemistry: molecules, structure, and spectra, J. C. DAVIS, JR., *book review* by J. T. Vanderslice, 1232
- Advances in botanical research, vol. 2, R. D. PRESTON (Ed.), *book review* by P. M. Ray, 1632
- Advances in chromatography, J. C. GIDDINGS and R. A. KELLER (Eds.), *book review* by H. Walton, 517
- Advances in oxytocin research, J. H. M. PINKERTON (Ed.), *book review* by L. A. Branda, 968
- Ages of test animals: a formula (*letter*), A. Herschman, 121
- Aghajanian, G. K., and F. E. Bloom: Electron-microscopic autoradiography of rat hypothalamus after intraventricular H^2 -norepinephrine, 308
- AIBS, The: crisis in retrospect, and the outlook, K. V. Thimann and R. W. Krauss, 507
- Airborne geophysical study in the Pensacola Mountains of Antarctica, J. C. Behrendt *et al.*, 1373
- Albumin Naskapi: a new variant of serum albumin, L. Melartin and B. S. Blumberg, 1664
- Alexander, L. T. *See* Tso, T. C., *et al.*
- ALKIRE, W., Lamotrek Atoll and inter-island socioeconomic ties, *book review* of, 1371
- Allergies: ecological approach (*meeting report*), M. Spetz, 903
- Alper, C. A., *et al.*: Beta-1C-globulin: metabolism in glomerulonephritis, 180
- Alpha globulin injections and decreased gamma globulin production in chickens, B. B. Kamrin, 1261
- ALTMAN, J., Organic foundations of animal behavior, *book review* of, 1629
- Ambrosia fungi: extent of specificity to ambrosia beetles, L. R. Batra, 193
- Aminooxyacetic acid: interaction with gamma-aminobutyric acid and the blood-brain barrier, M. A. Fisher *et al.*, 1668
- Amnesia or reversal of forgetting by anticholinesterase, depending simply on time of injection, J. A. Deutsch and S. F. Leibowitz, 1017
- Anagnostopoulos, C. E., *et al.*: Pacemaker synchronization, 1636
- Ancient heavy transport, methods and achievements, R. F. Heizer, 821
- Ancient Oaxaca: discoveries in Mexican archeology and history, J. PADDOCK (Ed.), *book review* by M. W. Stirling, 1370
- ANDERSON, C. A., and M. J. BOWMAN (Eds.), Education and economic development, *book review* of, 47
- Anderson, N. C. *See* Narahashi, T., *et al.*
- Anderson, F. W.: *book reviews* of Elements of abstract algebra, University algebra, A first course in abstract algebra, 1233
- Anderson, R. C.: *book review* of Organic chemistry, 406
- Anderson, R. J., *et al.*: Calcium and bromide contents of natural waters, 1637
- Andresen, E.: Blood groups of the I system in pigs: association of serum amylase, 1660
- Angel, J. L.: Porotic hyperostosis, anemias, malaras, and marshes in the prehistoric eastern Mediterranean, 760
- Anilane, J. K. *See* Hsu, J. M., *et al.*
- Animal care legislation (*editorial*), D. Wolffe, 1061
- Animal conflict and adaptation, J. L. CLOUDSLEY-THOMPSON, *book review* by B. L. Welch, 1514
- Anliker, J.: Simultaneous changes in visual separation threshold and voltage of cortical alpha rhythm, 316
- Anolis carolinensis: effects of feeding on reaction to aposematic prey, O. J. Sexton *et al.*, 1140
- Anomalous carbon-isotope ratios in non-volatile organic material, I. R. Kaplan and A. Nissenbaum, 744
- Antarctic geology, R. J. ADIE (Ed.), *book review* by J. C. Crowell, 52
- Antarctic pack ice: boundaries established from Nimbus I pictures, M. C. Predehl, 861
- Antibodies to photoproducts of deoxyribonucleic acids irradiated with ultraviolet light, L. Levine *et al.*, 1666
- Antibody active sites and immunoglobulin molecules, S. J. Singer and R. F. Doolittle, 13
- Antibody formation in nonimmune mouse peritoneal cells after incubation in gum containing antigen, A. E. Busard, 887
- Antibody molecules: discontinuous heterogeneity of heavy chains, O. A. Roholt and D. Pressman, 1257
- Antigen-RNA complexes, S. M. Sabesin, 659
- Antigenic heterogeneity of human immunoglobulin A proteins, W. D. Terry and M. S. Roberts, 1007
- Antipodal location of continents and oceans, C. G. A. Harrison, 1246
- Antiserum to immunoglobulin A: inhibition of cell-mediated demyelination in tissue culture, G. F. Winkler and B. G. Arnason, 75
- Antiserum to lymphocytes: prolonged survival of canine renal allografts, A. P. Monaco *et al.*, 1264
- Anxiety levels in dreams: relation to changes in plasma free fatty acids, L. A. Gottschalk *et al.*, 654
- Aoki, K. *See* Masson, G. M. C., *et al.*
- Apirion, D. *See* Mangiarotti, G., *et al.*
- Applied infrared spectroscopy, D. N. KENDALL (Ed.), *book review* by D. R. Lide, Jr., 517
- Archeology and its new technology, F. Rainey and E. K. Ralph, 1481
- Armeit, R. F.: Calcium and fluoride (*letter*), 1596
- Arms and influence, T. C. SCHELLING, *book review* by L. S. Rodberg, 623
- Armstrong, W. D. *See* Johnson, A. R., *et al.*
- ARMYTAGE, W. H. G., The rise of the technocrats: a social history, *book review* of, 1231
- Arnason, B. G. *See* Winkler, G. F.
- Arntson, R. H., *et al.*: Stibnite (Sb_2S_3) solubility in sodium sulfide solutions, 1673
- Art in science: another protagonist (*letter*), M. Borne, 1470
- Artifacts in polarimetry and optical activity in meteorites, R. Hayatsu, 859
- Ascending and descending cholinergic fibers in cat spinal cord: histochemical evidence, D. G. Gwyn and J. H. Wolstencroft, 1543
- Ascione, R.: Laboratory culturing of a thermophilic alga at high temperature, 752
- Aspects of insect biochemistry, T. W. GOODWIN (Ed.), *book review* by L. Levenbook, 624
- Atamian, S.: Further observations on Eskimo culture (*letter*), 1193
- Atchley, D. W.: *book review* of Doctors and the state: the British medical profession and government action in public health, 1870-1912, 1516
- Atherosclerosis (*meeting report*), D. Kritchevsky and R. Paoletti, 1023
- Atlas, D., *et al.*: Tropopause detected by radar, 1110
- Atmosphere of Mars: Mariner IV models compared, G. Fjeldbo *et al.*, 1518
- Atmospheric gases and particulates in Panama, J. P. Lodge, Jr., and J. B. Pate, 408
- Atmospheric reentry: an introduction to its science and engineering, J. J. MARTIN, *book review* by H. A. Daw, 626
- Auditory sensitivity of the monkey, W. C. Stebbins *et al.*, 1646
- Automotive watchdog (*letter*), L. E. Fay III, 1470

B

- Babbin, F.: BSCS: its impractical aspects (*letter*), 1193
- Bacelli, G. *See* Guazzi, M., *et al.*
- Bach, F. H., and N. K. Voynow: One-way stimulation in mixed leukocyte cultures, 545
- Baer, R. D. *See* Winer, N., *et al.*
- Baffin Island refugia older than 54,000 years, O. H. Løken, 1378
- Bailey, W. J. *See* Zhulin, V. M., *et al.*
- Baker, H. G. *See* Klekowski, E. J., Jr.
- Baker, J. K. *See* Edgerton, H. E., *et al.*
- Balikci, A.: *book review* of Honour and shame: the value of Mediterranean society, 164
- Ball, J. A. *See* Meeks, M. L., *et al.*
- Baltscheffsky, H., *et al.*: Inorganic pyrophosphate: formation in bacterial photophosphorylation, 1120
- Bamford, F. L. *See* McGrew, J. L., *et al.*
- BANFIELD, E. C. *See* MEYERSON, M.

- Bar, R. S., *et al.*: Surface area of human erythrocyte lipids: reinvestigation of experiments on plasma membrane, 1010
- BARBER, R. J.: The politics of research, *book review of*, 1229
- Barrer, R. M. *See* Sherry, H. S., *et al.*
- Barrow, J. H., Jr., and B. C. Taylor: Fluorescent-antibody studies of haplosporidian parasites of oysters in Chesapeake and Delaware bays, 1531
- BARTHELMESS, A.: Grundlagen der vererbung, *book review of*, 1515
- Bartke, A., and G. L. Wolff: Influence of the lethal yellow (A^y) gene on estrous synchrony in mice, 79
- Barut, A. O.: *book review of* High energy physics, 51
- Basic science in underdeveloped countries (*letter*), E. A. Friedman, 688
- Batra, L. R.: Ambrosia fungi: extent of specificity to ambrosia beetles, 193
- Beach, F. A., and R. D. Lisk: Sexual behavior in the male rat, 769
- Beer, J. J.: *book review of* Inventor and entrepreneur, recollections of Werner von Siemens, 405
- Behavior of carbon dioxide and other volatiles on Mars, R. B. Leighton and B. C. Murray, 136
- Behavioral sciences: vocabulary (*meeting report*), L. H. Marshall, 323
- Behnke, O., and A. Forer: Intranuclear microtubules, 1536
- Behrendt, J. C., *et al.*: Airborne geophysical study in the Pensacola Mountains of Antarctica, 1373
- Beidler, L. M.: *book review of* Ionizing radiation: neural function and behavior, 968
- Beisel, W. R. *See* Rapoport, M. I., *et al.*
- Bell, P. R.: Vacuum welding of olivine, 410
- Bell, W. C.: *book review of* Upper Cambrian trilobite faunas of northeastern Tennessee, 286
- Bellman, R.: Dynamic programming, 34
- Bennett, B. *See* Bloom, B. R.
- Bennett, E. L. *See* Byrne, W. L., *et al.*
- Bensusan, H. B.: Lathyrism (*meeting report*), 322
- Berbeovich, M. A. *See* Marver, D., *et al.*
- BERG, I. E. *See* GINZBERG, E., *et al.*
- Berger, B. D. *See* Byrne, W. L., *et al.*
- Berger, J. E., *et al.*: Laser as light source for optical diffractometers: Fourier analysis of electron micrographs, 168
- Berger, R., *et al.*: Radiocarbon content of marine shells from the California and Mexican west coast, 864
- BERLMAN, I. B.: A handbook of fluorescence spectra of aromatic molecules, *book review of*, 1631
- Berlyne, D. E.: Curiosity and exploration, 25
- Berner, R. A.: Diagenesis of carbonate sediments: interaction of magnesium in sea water with mineral grains, 188
- Beta-1C-globulin: metabolism in glomerulonephritis, C. A. Alper *et al.*, 180
- Beutler, E. *See* Ohno, S., *et al.*
- Billingham, R. E.: Tissue transplantation: scope and prospect, 266
- Binocular disappearance of monocular symmetry, B. Julesz, 657
- Bioluminescence (*meeting report*), F. H. Johnson, 1141
- Biosynthesis of gamma globulin: studies in a cell-free system, K. H. Stenzel and A. L. Rubin, 537
- Bipiperidyl mustard, a new obesifying agent in the mouse, R. J. Rutman *et al.*, 1000
- Birch, L. C.: *book review of* Ecology and field biology, 1234
- Blais, P., and R. St. John Manley: Morphology of nascent Ziegler-Natta polymers, 539
- Blaustein, M. P., and D. E. Goldman: Action of anionic and cationic nerve-blocking agents: experiment and interpretation, 429
- Blood gases: continuous in vivo recording of partial pressures by mass spectrograph, S. Woldring *et al.*, 885
- Blood groups of the I system in pigs: association with variants of serum amylase, E. Andresen, 1660
- Bloom, B. R., and B. Bennett: Mechanism of a reaction in vitro associated with delayed-typed hypersensitivity, 80
- Bloom, F. E. *See* Aghajanian, G. K.
- Bloom, S. E., and E. G. Buss: Triploid-diploid mosaic chicken embryo, 759
- Bloomer, W. D. *See* Rutman, R. J., *et al.*
- Blumberg, B. S. *See* Malartin, L.
- Bogden, A. E. *See* Sarcione, E. J.
- BOGUSLAW, R.: The new utopians: a study of system design and social change, *book review of*, 516
- Bohdanecky, Z. *See* Kopp, R., *et al.*
- Bohus, B., and D. de Wied: Inhibitory and facilitatory effect of two related peptides on extinction of avoidance behavior, 318
- Bollen, W. B. *See* Chandra, P.
- Bologna, J. M., *et al.*: Absence of short-term variability of CTA 102, 294
- Bonatti, E.: Deep-sea authigenic calcite and dolomite, 534
- BONNER, J. T.: Size and cycle, *book review of*, 165
- Bonnichsen, B. *See* Perry, E. C., Jr.
- BOORSE, H. A., and L. MOTZ (Eds.), The world of the atom, *book review of* 1370
- "Bootlegging" in research (*letter*), L. B. Williams, 1596
- Bordley, J. *See* Boyer, S. H., *et al.*
- Borne, M.: Art in science: another protagonist (*letter*), 1470
- Boston: the job ahead, M. MEYERSON and E. C. BANFIELD, *book review by* H. Fagin, 1092
- Botts, T.: *book review of* Calculus on manifolds, 164
- Boush, G. M. *See* Matsumura, F.
- Bowers, M. M., Jr., *et al.*: Sleep deprivation and brain acetylcholine, 1416
- Bowman, H. R. *See* Hall, T., *et al.*
- BOWMAN, M. J. *See* ANDERSON, C. A.
- Bowman, R., and N. Plotnikoff: Magnesium pemoline and behavior, 902
- Bowman, R. L. *See* Moskowitz, G. W.
- Boyer, S. H., *et al.*: Hemoglobins in sheep: multiple differences in amino acid sequences of three beta-chains and possible origins, 1539
- Brace, C. L., *et al.*: Whatever happened to hairy man? (*letters*), 362
- Brace, W. F., and J. D. Byerlee: Stick-slip as a mechanism for earthquakes, 990
- and A. S. Orange, Electrical resistivity: changes in saturated rock under stress, 1525
- BRAND, J. L.: Doctors and the state: the British medical profession and government action in public health, 1870–1912, *book review of*, 1516
- Branda, L. A.: *book review of* Advances in oxytocin research, 968
- BRANDRUP, J., and E. H. IMMERGUT (Eds.), Polymer handbook, *book review of*, 1372
- Brassica campestris* L.: floral induction by one long day, D. J. C. Friend and V. A. Helson, 1115
- Brett, R.: Cohenite in meteorites: a proposed origin, 60
- BRIAN, M. V.: Social insect populations, *book review of*, 161
- Brightness distributions of radio sources at 2-centimeter wavelength, S. H. Zisk, 1107
- Broberger, O. *See* Lowe, C. U., *et al.*
- Bronk, J. R.: Thyroid hormone: effects on electron transport, 638
- Bronner, F. E. *See* Otterman, J.
- BROOKS, C. M., *et al.* (Eds.), Cerebrospinal fluid and the regulation of ventilation, *book review of*, 160
- BROOKS, D. B.: Supply and competition in minor metals, *book review of*, 1631
- Brooks, H. *See* Inger, R. F.
- Broome, J. *See* Raymond, S.
- BROWN, C. A. *See* GINZBERG, E., *et al.*
- Brown, E. *See* Brown, G. W., Jr., *et al.*
- Brown, G. W., Jr., *et al.*: Uricolytic enzymes in liver of the dipnoan *Protopterus aethiopicus*, 1653
- Brown, J., and P. V. Sellman: Radiocarbon dating of coastal peat, Barrow, Alaska, 299
- Brown, J. C. *See* Thach, R. E., *et al.*
- Brown, J. E. *See* Dowling, J. E., *et al.*
- Brown, R. E.: Medical problems of the developing countries, 271
- Brown, S. G. *See* Brown, G. W., Jr., *et al.*
- Brundage, W. D., and J. D. Kraus: Neutral hydrogen survey of Andromeda galaxy, 411; addendum, 1550
- Bruton, J. *See* Rapoport, M. I., *et al.*
- Bryam, E. T. *See* Friedman, H., *et al.*
- Bryan, R. N.: Retrograde amnesia: effects of handling and microwave radiation, 897
- Bryson, V.: *book review of* Genetics today, vol. 3, 403
- BSCS: its impractical aspects (*letter*), F. Babbitt, 1193
- Buffington, E. C. *See* Scholl, D. W., *et al.*
- Burbanck, W. D.: *book review of* Handbook on the common marine isopod crustacea of Georgia, 286
- Burg, E. A. *See* Burg, S. P.
- Burg, S. P., and E. A. Burg: Fruit storage at subatmospheric pressures, 314
- Burklund, C. W. *See* Smith, A.
- Burnett, A. L.: *book review of* Regeneration in animals and related problems, 49
- Burns, J. M.: Preferential mating versus mimicry: disruptive selection and sex-limited dimorphism in *Papilio glaucus*, 551
- Burns, R. G., and R. G. J. Strens: Infrared study of the hydroxyl bands in clinophibolites, 890
- Burns, T. W. *See* Winer, N., *et al.*
- Burton, M. *See* Mackey, G. W.
- Buss, E. G. *See* Bloom, S. E.
- Bussard, A. E.: Antibody formation in nonimmune mouse peritoneal cells after incubation in gum containing antigen, 887
- Bustard, H. R., and R. D. Hughes: Gekkonid lizards: average ages derived from tail-loss data, 1670
- Butler, Missouri: an iron meteorite with extremely high germanium content, J. T. Wasson, 976
- Butler, Missouri: an unusual iron meteorite, J. I. Goldstein, 975
- Byerlee, J. D. *See* Brace, W. F.
- Byrne, W. L., *et al.*: Memory transfer, 658

C

- Cadigan, F. C. *See* Gould, D. J., *et al.*
- Cage structures for polyborate ions, B. L. Dunicz, 737
- Caggiula, A. R., and B. G. Hoebel: "Copulation-reward site" in the posterior hypothalamus, 1284
- Cahill, G. F., Jr., *See* Renold A. E.
- Cahn, L.: Underdeveloped science: a cause (*letter*), 249
- Cahn, R. D. *See* Coon, H. G.
- Calcium and bromide contents of natural waters, R. J. Anderson *et al.*, 1637
- Calcium and fluoride (*letter*), R. F. Armeit, 1596
- Calculus on manifolds, M. SPIVAK, *book review by* T. Botts, 164
- Caldwell, J. R. *See* Dougherty, R. C.
- CALDWELL, J. R. (Ed.), New roads to yes-

- terday, essays in archaeology, *book review of*, 856
- Calibration of β gauges for determining leaf water status, P. G. Jarvis and R. O. Slatyer, 78
- Campbell, C. B. G.: Taxonomic status of tree shrews, 436
- Campbell, T. L.: Reflections on research and the future of medicine (*meeting report*), 442
- Cantoni, G. L. *See* Ishikura, H., *et al.*
- Cardiovascular defense against asphyxia, R. Elsner *et al.*, 941
- Carlson, P. L. *See* Byrne, W. L. *et al.*
- Carotid body chemoreceptors: physiological role in buffering fall in blood pressure during sleep, M. Guazzi *et al.*, 206
- Carrison, L. C. *See* Sclar, C. B., *et al.*
- Carson, W. D.: Mohole: cost versus results (*letter*), 482
- CARSTAIRS, G. M.: *book review of* Normality: theoretical and clinical concepts of mental health, 1513
- Carter, J. C. *See* Meeks, M. L., *et al.*
- Carter, L. J. (*News and Comment*): Canadian science advisors, 1083; congressional debate over science jurisdictions, 1364; educational technology, 1624; Office of Naval Research, 397; Smith is beaten, 512; social sciences, 154; space science, 615; student housing, 277; "systems approach" for domestic problems, 1222; Wilderness Act, 39
- Casida, J. E., *et al.*: Methylene- C^{14} -dioxypheyl compounds: metabolism in relation to their synergistic action, 1130
- Cathey, H. M., *et al.*: Chemical pruning of plants, 1382
- Cechner, R. L.: Insulated gate field effect transistor amplifier, 1549
- Cell size and rate of protein synthesis in ventral horn neurones, R. P. Peterson, 1413
- Cerebral concussion in the monkey: an experimental model, A. K. Ommaya *et al.*, 211
- Cerebrospinal fluid and the regulation of ventilation, C. M. Brooks *et al.* (Eds.) *book review by* R. G. Fisher, 160
- Cesium-137 body burdens in Alaskan Eskimos during the summer of 1965, W. C. Hanson, 525
- Chainpur-like chondrites: primitive precursors of ordinary chondrites? R. A. Schmitt *et al.*, 644
- Chains of particles in shear flow, I. Y. Z. Zia *et al.*, 1405
- CHALAM, G. V., and J. VENKATESWARLU, Introduction to agricultural botany in India, *book review of*, 854
- Chambliss, O. L., and C. M. Jones: Cucurbitacins: specific insect attractants in cucurbitaceae, 1392
- Chandra, P., and W. B. Bollen: Gibrel: effect on decomposition of plant materials, 1663
- CHAPMAN, H. D., Diagnostic criteria for plants and soil, *book review of*, 287
- Charlier, R. H.: Probing the ocean (*meeting report*), 1421
- Chemical oceanography, J. P. RILEY and G. SKIRROW (Eds.), *book review by* P. K. Weyl, 856
- Chemical pruning of plants, H. M. Cathey *et al.*, 1382
- Chemically stratified lake in Alaska, G. E. Likens, and P. L. Johnson, 875
- Chemistry and biology laboratories: design, construction, equipment, W. SCHRAMM, *book review by* H. F. Lewis, 162
- Chemotaxis in bacteria, J. Adler, 708
- Chen, S. S. C., and K. V. Thimann, Nature of seed dormancy in *Phacelia tanacetifolia*, 1537
- CHENG, C., Scientific and engineering manpower in Communist China, 1949-1963, *book review of*, 852
- Chez, R. A., *et al.*: Effect of sugars on transport of alanine in intestine, 1012
- Chiappetta, L. *See* Byrne, W. L., *et al.*
- Chlebovský, O., *et al.*: Chromosome aberrations: increased incidence in bone marrow of continuously irradiated rats, 195
- Chloroplast DNA from tobacco leaves, K. K. Tewari and S. G. Wildman, 1269
- Chon, H. P. *See* Weaver, E. C.
- Chondrules: suggestion concerning the origin, F. L. Whipple, 54
- Chorover, S. L. *See* Byrne, W. L., *et al.* *See also* Schiller, P. H.
- Chromosome aberrations: increased incidence in bone marrow of continuously irradiated rats, O. Chlebovský *et al.*, 195
- Chubb, T. A. *See* Friedman, H., *et al.*
- Chuck, G. *See* Hug, G., *et al.*
- Churchman, C. W.: *book review of* ESP: a scientific evaluation, 1088
- Cilia isolated from tetrahymena after membrane stabilization by 1,5-difluoro-2,4-dinitrobenzene, J. R. Culbertson, 1390
- Ciliastatic components in the gas phase of cigarette smoke, T. R. Walker and J. E. Kiefer, 1248
- Circadian rhythm for tryptophan pyrrolase activity and its circulating substrate, M. I. Rapoport *et al.*, 1642
- Circadian rhythm in pineal tyrosine hydroxylase, E. G. McGeer and P. L. McGeer, 73
- Clare, B., *et al.*: Peroxidase and resistance to ceratocystis in sweet potato increased by volatile materials, 62
- Clark, R. *See* Rao, M. N., *et al.*
- Clayton, W. D.: *book review of* Maize in tropical Africa, 161
- Clearer views for astronomy (*letters*), C. B. Stephenson and P. C. Steffey, 934
- Cline, M. J., and K. L. Melmon: Plasma kinins and cortisol: a possible explanation of the anti-inflammatory action of cortisol, 1135
- Clostridium botulinum* type F: isolation from salmon from the Columbia River, J. M. Craig and K. S. Pilcher, 311
- CLOUDSLEY-THOMPSON, J. L., Animal conflict and adaptation, *book review of*, 1514
- Coding properties of 7-methylguanine, R. C. Wilhelm and D. B. Ludlum, 1403
- Cohen, M. H., *et al.*: Radio sources: angular size from scintillation studies, 745
- Cohen, P. P.: *book review of* Descriptive biochemistry of animal development, 50
- Cohenite in meteorites: a proposed origin, R. Brett, 60
- Coherent coatings of refractory metals, S. Senderoff and G. W. Mellors, 1475
- Cole, A. F. W. *See* Macdowell, F. D. H.
- Cole, L. J. *See* Varon, M. L.
- Cole, R. D., and C. A. Dekker: Nucleic acid and protein chemistry (*meeting report*), 92
- Coleman, D. L. *See* Hummel, K. P., *et al.*
- Colvin, R. B. *See* Fisher, M. A., *et al.*
- Commitment to science (*editorial*), D. Wolfe, 1339
- Community health: its needs and resources, J. D. PORTERFIELD, *book review by* E. D. Pellegrino, 163
- Compound ocellus of a starfish: its function, M. Yoshida and H. Ohtsuki, 197
- Computer-time allocation (*letter*), H. A. Simon, 122
- Condit, C. W.: *book review of* The rise of the technocrats: a social history, 1231
- Conditions for purine synthesis: did prebiotic synthesis occur at low temperatures?, R. Sanchez *et al.*, 72
- Connes, J., *et al.*: Mars: new absorption bands in the spectrum, 739
- Connes, P. *See* Connes, J., *et al.*
- Continuity of protein synthesis through cleavage metaphase, P. R. Gross and B. J. Fry, 749
- Contractile cells in human seminiferous tubules, M. H. Ross and I. R. Long, 1271
- Control of conception by hormonal steroids, G. Pincus, 493
- Control of somatosensory input by cerebral cortex, R. J. Adkins *et al.*, 1020
- Controls of metamorphism, W. S. PITCHER and G. W. FINN (Eds.), *book review by* F. J. Turner, 162
- Coon, H. G., and R. D. Cahn: Differentiation in vitro: effects of Sephadex fractions of chick embryo extract, 1116
- Copper and the role of isopods in degradation of organic matter, W. Wieser, 67
- "Copulation-reward site" in the posterior hypothalamus, A. R. Caggiula and B. G. Hoebel, 1284
- Cornwell, D. G. *See* Bar, R. S., *et al.*
- Correlation between location and time of expression for genes in a single operon, D. Marver *et al.*, 1655
- Corson, J. A. *See* Byrne, W. L., *et al.*
- Corticosteroid responses to limbic stimulation in man: localization of stimulus sites, R. T. Rubin *et al.*, 767
- Couch, J. A., *et al.*: Sporulation of *Minchinia nelsoni* (haplosporidia, haplosporidiidae) in *Crassostrea virginica* (gmelin), 1529
- Covers: ancient coal mining (12 Aug.); beetle's headstand (16 Sept.); Butler meteorite (26 Aug.); electroformed tungsten helix (23 Sept.); freetail bat (8 July); Great Bahama Bank (29 July); hot particles (5 Aug.); muscle tissue (22 July); noncongruity and incongruity (1 July); polished sand grains (9 Sept.); redwoods (30 Sept.); simulated lunar soil (15 July); stone giant (19 Aug.); tylosis in wood (2 Sept.)
- Covington, A. E.: *book review of* Solar radio astronomy, 163
- Cowardly patient (*letter*), R. L. ADDINALL, 694
- Cox, R. G. *See* Zia, I. Y. Z., *et al.*
- Cox, W. S.: How to police pollution (*letter*), 936
- Craig, J. M., and K. S. Pilcher: *Clostridium botulinum* type F: isolation from salmon from the Columbia River, 311
- Crandall, P. H. *See* Rubin, R. T., *et al.*
- Crane, J. C. *See* Lipe, W. N.
- Crary, D. D. *See* Fox, R. R., *et al.*
- Crew, W. H.: In what year did Newton die? (*letter*), 1336
- Cross, D. G. *See* Fisher, H. F.
- Cross-dating the archeology of northwestern Alaska, J. L. Giddings, 127
- Crowell, J. C.: *book review of* Antarctic geology, 52. *See also* Frakes, L. A., *et al.*
- Crystal and molecular structure of acetyl-selenocholine iodide, E. Shefter and O. Kennard, 1389
- Cuatrecasas, P., and S. Segal: Galactose conversion to D-xylulose: an alternate route of galactose metabolism, 549
- Cucurbitacins: specific insect attractants in cucurbitaceae, O. L. Chambliss and C. M. Jones, 1392
- Culbertson, J. R.: Cilia isolated from tetrahymena after membrane stabilization by 1,5-difluoro-2,4-dinitrobenzene, 1390
- Curiosity and exploration, D. E. Berlyne, 25
- Curl, R. L., and J. A. Stellmack: Speleology (*meeting report*), 559
- Curran, P. F. *See* Chez, R. A., *et al.*
- Cyclobutane-type pyrimidine dimers in polynucleotides, R. B. Setlow, 379

Cylindrical inclusions in the cytoplasm of leaf cells infected with tobacco etch virus, J. R. Edwardson, 883

D

- Dahlberg, C. C.: LSD: tamed for research (*letter*), 1595
 Dales, G. F.: *book review* of Land behind Baghdad, 518
 Daniels, M., and E. Wigg: Oxygen as a primary species in radiolysis of water, 1533
 Dao, T. L. *See* Libby, P. R.
 Dasch, E. J., *et al.*: Strontium isotopes in deep-sea sediments, 295
 Davis, B. D. *See* Ron, E. Z., *et al.*
 DAVIS, J. C., JR.: Advanced physical chemistry: molecules, structure, and spectra, *book review* of, 1232
 Davis, M. S.: *book review* of Methods of orbit determination, 288
 Davis, R. H.: *Neurospora* (*meeting report*), 1553
 Davis, W. W. *See* Ney, R. L. *et al.*
 Daw, H. A.: *book review* of Atmospheric reentry: an introduction to its science and engineering, 626
 Daydreaming, J. SINGER, *book review* by C. S. Hall, 626
 Dayhoff, M. O. *See* Eck, R. V., *et al.*
 Deamer, D. W. *See* Bar, R. S., *et al.*
 DEAN, R. A.: Elements of abstract algebra, *book review* of, 1233
 Deason, H.: *book review* of McGraw-Hill basic bibliography of science and technology, McGraw-Hill modern men of science, The McGraw-Hill yearbook of science and technology, 731
 Decametric radio pulses from Jupiter: characteristics, C. N. OLSSON and A. G. SMITH, 289
 Dedijer, S.: *book review* of Scientific and engineering manpower in Communist China, 1949-1963, 852
 Deep-sea authigenic calcite and dolomite, E. Bonatti, 534
 DEESE, J.: Structure of associations in language and thought, *book review* of, 1372
 Defensive secretions of arthropods, T. Eisner and J. Meinwald, 1341
 Dekker, C. A. *See* R. D. Cole
 del Castillo, J., *et al.*: Lipid films as transducers for detection of antigen-antibody and enzyme-substrate reactions, 185
 DeLong, S. E. *See* Powell, J. L.
 Delvigs, P. *See* Taborsky, R. G., *et al.*
 Derbyshire, A. J. *See* Driessen, G. J.
 Denny, B. C.: *book reviews* of In the name of science, The politics of research, The politics of American science, 1939 to the present, 1229
 Descriptive biochemistry of animal development, R. WEBER (Ed.), *book review* by P. P. Cohen, 50
 de-Shalit, A.: Remarks on nuclear structure, 1063
 de Terra, N.: Leucine incorporation into the membranelar bands of regenerating and nonregenerating stentor, 543
 Deutsch, J. A., and S. F. Leibowitz: Amnesia or reversal of forgetting by anticholinesterase, depending simply on time of injection, 1017
 Development of the space-time view of quantum electrodynamics, The, R. P. Feynman, 699
 Dewey, K. F. *See* Thach, R. E., *et al.*
 DEWITT, C., and M. JACOB: High energy physics, *book review* of, 51
 Diabetes, a new mutation in the mouse, K. P. Hummel *et al.*, 1127
 Diagenesis of carbonate sediments: interaction of magnesium in sea water with mineral grains, R. A. Berner, 188
 Diagnostic criteria for plants and soil, H. D. CHAPMAN (Ed.), *book review* by D. M. Gates, 287

- Diatoms of the United States exclusive of Alaska and Hawaii, The, R. PATRICK and C. W. REIMER, *book review* by R. E. Norris, 1369
 Dickie, M. M. *See* Hummel, K. P., *et al.*
 Dickson, F. W. *See* Arntson, R. H., *et al.*
 Dieldrin: Interaction with nerve components of cockroaches, F. Matsumura and M. Hayashi, 757
 Dietz, R. S.: Our deep and wide ocean (*meeting report*), 1423
 Differential anemometer for measuring the turning tendency of insects in stationary flight, A. K. D. Roeder, 1634
 Differentiation in vitro: effects of Sephadex fractions of chick embryo extract, H. G. Coon and R. D. Cahn, 1116
 Dimethyl sulfoxide conference (*letters*) M. B. Sulzberger *et al.*, 576
 Dimethyl sulfoxide: lens changes in dogs during oral administration, L. F. Rubin and P. A. Mattis, 83
 Diplomats, scientists, and politicians: the United States and the nuclear test ban negotiations, H. K. JACOBSON and E. STEIN, *book review* by H. L. Nieburg, 1091
 Directing public support (*letters*), J. L. Fischer and E. W. Price, 479
 Diseases of laboratory animals (*meeting report*), R. J. Flynn, 906
 Distribution of wild wheats and barley, J. R. Harlan and D. Zohary, 1074
 Divers' communications improved, K. K. Neely, 321
 Djerfisherite, alkali copper-iron sulfide: a new mineral from enstatite chondrites, L. H. Fuchs, 166
 DNA synthesis and differentiation in embryonic kidney mesenchyme in vitro, J. S. Sobel, 1387
 Dobrzecka, C., *et al.*: Qualitative versus directional cues in two forms of differentiation, 87
 Doctors and the state: the British medical profession and government action in public health, 1870-1912, J. L. BRAND, *book review* by D. W. Atchley, 1516
 Dominant hemispherectomy: preliminary report on neuropsychological sequelae, A. Smith and C. W. Burkland, 1280
 Don't dam the Grand Canyon! (*letter*), M. A. Lampert *et al.*, 1058
 Doolittle, R. F. *See* Singer, S. J.
 Doppler interpretation of quasar red shifts, H. S. Zapolsky, 635
 Dormancy regulation in peach seeds, W. N. Lipe and J. C. Crane, 541
 Doty, P. *See* Thach, R. E., *et al.*
 Dougherty, R. C., and J. R. Caldwell: Evidence of early pyrometallurgy in the Kerman Range in Iran, 984
 Douglas, A. G. *See* Eglinton, G., *et al.*
 Douthitt, H. A., and H. O. Halvorson: Satellite deoxyribonucleic acid from *Bacillus cereus* strain, 182
 Dowling, J. E., *et al.*: Synapses of horizontal cells in rabbit and cat retinas, 1639
 Draft, The: why not everybody? (*letters*), J. Friedman *et al.*, 249
 Dray, S.: Information exchange group No. 5 (*letter*), 694
 "Dream deprivation": effects on dream content, T. Pivik and D. Foulkes, 1282
 Driessen, G. J., and A. J. Derbyshire: On using inferential statistics (*letter*), 817
 Drifting organisms in the Precambrian sea, D. J. Milton, 293
 Drug-induced teratogenesis in vitro: inhibition of calcification by different tetracyclines, L. Saxén, 1384
 Drug tests: integrity and courage (*letter*), P. Lowinger, 121
 DUFFY, J.: Sword of pestilence: the New Orleans yellow fever epidemic of 1853, *book review* of, 855
 Dunicz, B. L.: Cage structures for polycarbonate ions, 737

- Dunn, L. C.: *book review* of Grundlagen der vererbung, 1515
 DURY, G. H. (Ed.), Essays in geomorphology, *book review* of, 969
 "Dust" on the moon, H. C. Urey, 1419
 Dutcher, J. D. *See* Byrne, W. L., *et al.*
 Dutton, R. W. *See* Mishell, R. I.
 Dynamic programming, R. Bellman, 34

E

- Eager, R. P., and P. R. Eager: Glial responses to degenerating cerebellar cortico-nuclear pathways in the cat, 553
 Eager, P. R. *See* Eager, R. P.
 Earthquake prediction (*meeting report*), J. Oliver, 1024
 Eck, R. V., *et al.*: Thermodynamic equilibrium and the inorganic origin of organic compounds, 628
 Ecological research in humid tropics vegetation, A. J. G. H. KOSTERMANS and F. R. FOSBERG (Eds.), *book review* by D. Mueller-Dombois, 732
 Ecology and field biology, R. L. SMITH, *book review* by L. C. Birch, 1234
 Economic and social aspects of educational planning, *book review* by E. Staley, 47
 Economics of education, The, E. A. G. ROBINSON and J. E. VALZEY (Eds.), *book review* by E. Staley, 47
 Edelhoeh, H. *See* Jakob, W. B., *et al.*
 Edgerton, H. E., *et al.*: Mexican freetail bats: photography, 201
 Edgington, L. V., *et al.*: Fungicide selective for Basidiomycetes, 307
 Editorials: Animal care legislation, 1061; Commitment to science, 1339; Government support for social science, 485; Help for small colleges, 697; The human use of computing machines, 253; Industry and education, 1599; Medical ethics, 371; The National Bureau of Standards, 939; NIH budget hearings, 579; Political realities and educational needs, 819; Preschool education, 1197; Pressure on basic research, 11; Science, and the scientific community, 1473; Stable federal support, 125
 Education and economic development, C. A. ANDERSON and M. J. BOWMAN (Eds.), *book review* by E. Staley, 47
 Edwardson, J. R.: Cylindrical inclusions in the cytoplasm of leaf cells infected with tobacco etch virus, 883
 Effect of sugars on transport of alanine in intestine, R. A. Chez *et al.*, 1012
 Effect of temperature on the life of soap bubbles, and their solidification at low temperature, A. V. Grosse, 894
 Effort reporting and cost sharing of federal research (*letters*), G. W. Mackey and M. Burton, 1057
 EGGENBERGER, D. I. (Ed.), McGraw-Hill basic bibliography of science and technology, McGraw-Hill modern men of science, The McGraw-Hill yearbook of science and technology, *book reviews* of, 731
 Eglinton, G., *et al.*: Occurrence of isoprenoid fatty acids in the Green River shale, 1133
 Ehrlich, R. W.: *book review* of New roads to yesterday, 856
 Eichenwald, H.: Mental retardation (*meeting report*), 1290
 Eichler, R., and H. Ristedt: Isotopic evidence on the early life history of *Nautilus pompilius* (Linné), 734
 Eighth Washington Meeting (*Association Affairs*), R. L. Taylor, 437
 Eisenhart, C.: Safety: a parallel (*letter*), 122
 Eisner, T., and J. Meinwald: Defensive secretions of arthropods, 1341
 Election of AAAS officers (*Association Affairs*), 1675

F

- Electrical resistivity: changes in saturated rock under stress, W. F. Brace and A. S. Orange, 1525
- Electrochromatography with reversing electrophoretic field, S. Raymond and J. Broome, 1381
- Electrolytic dissolution of iron meteorites, S. L. Tackett *et al.*, 877
- Electron-microscopic autoradiography of rat hypothalamus after intraventricular H^3 -norepinephrine, G. K. Aghajanian and F. E. Bloom, 308
- Electron microscopy: attachment sited between connective tissue cells, R. Ross and T. K. Greenlee, Jr., 997
- Elements of abstract algebra, R. A. DEAN, book review by F. W. Anderson, 1233
- Elsner, R., *et al.*: Cardiovascular defense against asphyxia, 941
- Elson, D. See Traub, W.
- Emmerich, W. S.: Miracles beget miracles (*letter*), 1336
- End-organ effects of thyroid hormones: subcellular interactions in cultured cells, E. Siegel and C. A. Tobias, 763
- Endo, M. See Nakatani, H., *et al.*
- Enesco, H. E. See Byrne, W. L., *et al.*
- Engel, J. L. See Casida, J. E., *et al.*
- Engler, P. E. See Berger, J. E. *et al.*
- English spoken here (*letter*), W. D. Keller, 1194
- Enzyme-coenzyme complexes of pyridine nucleotide-linked dehydrogenases, H. F. Fisher and D. G. Cross, 414
- Epstein, A. N. See Hainsworth, F. R.
- Epstein, S. See Taylor, H. P., Jr.
- ERDEY-GRÚZ, T., and I. TRENCSENYI-WALDAPFEL, Science in Hungary, book review of, 51
- Errata: for A. Etzioni [152, 746 (1966)], "On the process of making decisions," 401; for R. I. Leininger *et al.* [152, 1625 (1966)], "Nonthrombogenic plastic surfaces," 401; for R. E. Norris (16 Sept., p. 1369), 1508
- ESCOBAL, P. R., Methods of orbit determination, book review of, 288
- ESP: a scientific evaluation, C. E. M. HANSEL, book review by C. W. Churchman, 1088
- Essac, E. G. See Casida, J. E., *et al.*
- Essays in geomorphology, G. H. DURY (Ed.), book review by W. D. Thornbury, 969
- Ethics for an international health profession, C. E. Taylor, 716
- Ettlinger, G. See Moffett, A.
- Evans, C. D. See Hoffmann, R. L.
- Everett, G. A. See Madison, J. T., *et al.*
- Evidence of early pyrometallurgy in the Kerman Range in Iran, R. C. Dougherty and J. R. Caldwell, 984
- Evoked potential correlates of generalization, D. S. Ruchkin and E. R. John, 209
- Evolution of malate dehydrogenase in birds, G. B. Kitto and A. C. Wilson, 1408
- Evolution of urban societies, The: early Mesopotamia and prehispanic Mexico, R. MCC. ADAMS, book review by J. H. Steward, 729
- Evolutionary significance of polyploidy in the Pteridophyta, E. J. Klekowski, Jr., and H. G. Baker, 305
- Excretion and heartwood formation in living trees, C. M. Stewart, 1068
- Expedient referral service (*letters*), W. R. Roderick and L. Ornstein, 1193
- Experimentation on humans (*letter*), P. D. Harwood, 692
- Explorations in elementary mathematics, S. E. SMITH, JR., book review by C. W. Nelson, 49
- Explorer of the universe, H. WRIGHT, book review by T. Page, 966
- Exposure of basement rock on the continental slope of the Bering Sea, D. W. Scholl *et al.*, 992
- Fagin, H.: book review of Boston: the job ahead, 1092
- Falciparum malaria: transmission to the gibbon by *Anopheles balabacensis*, D. J. Gould *et al.*, 1384
- Fano, U.: Radiation absorption between the ultraviolet and x-ray bands, 522
- Farley, C. A. See Couch, J. A., *et al.*
- Father of the world weather watch (*letter*), W. O. Roberts, 575
- Fay, L. E., III: Automotive watchdog (*letter*), 1470
- Federal support of science, A. T. Waterman, 1359
- Feedback inhibition of glycerol kinase, a catabolic enzyme in *Escherichia coli*, N. Zwaig and E. C. C. Lin, 755
- Feigin, R. D. See Rapoport, M. I., *et al.*
- Fendall, N. R. E.: book review of Science and medicine in central Africa, 160
- Fenichel, R. L. See Byrne, W. L., *et al.*
- FERRAR, W. L., Mathematics for science, book review of, 52
- Ferris, J. See Sanchez, R., *et al.*
- Fessas, P. See Kaltsoya, A., *et al.*
- FEYERABEND, P., and G. MAXWELL (Eds.), Mind, matter, and method: essays in philosophy and science in honor of Herbert Feigl, book review of, 1092
- Feynman, R. P.: The development of the space-time view of quantum electrodynamics, 699
- FINCHAM, J. R. S., Genetic complementation, book review of, 288
- Finn, B. S.: book review of The origins of field theory, 1093
- FINN, G. W. See PITCHER, W. S.
- First computers, The (*letter*), G. R. Stibitz, 814
- First course in abstract algebra, A. H. PALEY and P. M. WEICHSEL, book review by F. W. Anderson, 1233
- Fischer, J. L., and E. W. Price: Directing public support (*letters*), 479
- Fisher, H. F., and D. G. Cross: Enzyme-coenzyme complexes of pyridine nucleotide-linked dehydrogenases, 414
- Fisher, M. A., *et al.*: Aminooxyacetic acid: interaction with gamma-aminobutyric acid and the blood-brain barrier, 1668
- Fisher, R. G.: book review of Cerebrospinal fluid and the regulation of ventilation, 160
- Fjeldbo, G., *et al.*: Atmosphere of Mars: Mariner IV models compared, 1518
- Fjeldbo, W. C. See Fjeldbo, G., *et al.*
- Flamm, E. S. See Ommaya, A. K., *et al.*
- Flax, M. H. See Monaco, A. P., *et al.*
- Fleagle, R. G.: book review of A history of the theories of rain, 285
- Fluorescence and phosphorescence analysis: principles and applications, book review by C. H. White, 1631
- Fluorescent-antibody studies of haplosporidian parasites of oysters in Chesapeake and Delaware bays, J. H. Barrow, Jr., and B. C. Taylor, 1531
- Flynn, J. T. See Liebman, J. C., *et al.*
- Flynn, R. J.: Diseases of laboratory animals (*meeting report*), 906
- Foener, M.: Victim-induced criminality, 1080
- For a cleaner Lake Tahoe (*letter*), W. H. Garman, 695
- Foraminiferal evidence of a shallow calcium carbonate solution boundary, Ross Sea, Antarctica, J. P. Kennett, 191
- Ford, A. E. See Peoples, J. A.
- Forer, A. See Behnke, O.
- Forestry in Communist China, S. D. RICHARDSON, book review by T. Gill, 967
- Formylmethionine codon AUG as an initiator of polypeptide synthesis, R. E. Thach *et al.*, 416
- Forster, R. P., and L. Goldstein: Urea synthesis in the lungfish: relative importance of purine and ornithine cycle pathways, 1650
- FOSBERG, F. R. See KOSTERMANS, A. J. G. H.
- Fossil mammals from Baja California: new evidence on early Tertiary migrations, W. J. Morris, 1376
- FOULKES, D., The psychology of sleep, book review of, 854
- Foulkes, D. See Pivik, T.
- Fournier, R. O.: North Atlantic deep-sea fertility, 1250
- Fowler, C. M. See Loree, T. R., *et al.*
- Fox, D. L. See Friedman, J., *et al.*
- Fox, R. R., *et al.*: Intravenous injection of thalidomide in pregnant rabbits, 310
- Frakes, L. A., *et al.*: Movement directions in late Paleozoic glacial rocks of the Horlick and Pensacola mountains, Antarctica, 746
- Framework rearrangement in boranes and carboranes, W. N. Lipscomb, 373
- FRANKENBERG, D. See MENZIES, R. J.
- Franklin, D. L. See Elsner, R., *et al.*
- Freedman, D. X. See Bowers, M. B., Jr., *et al.*
- Freight trains (*letters*), J. A. Peoples and A. E. Ford, 480
- French, B. M.: Shock metamorphism of natural materials (*meeting report*), 903
- Fresco, J. R. See Ascione, R., *et al.*
- Friedl, E.: book review of Peasants, 625
- Friedman, E. A.: Basic science in underdeveloped countries (*letter*), 688
- Friedman, H., *et al.*: Spectrum and distance of source Sco XR-1, 1527
- Friedman, J., *et al.*: The draft: why not everybody? (*letters*), 249
- Friend, D. J. C. and V. A. Helson: *Brassica campestris* L.: floral induction by one long day, 1115
- Fruit storage at subatmospheric pressures, S. P. Burg and E. A. Burg, 314
- Fry, B. J. See Gross, P. R.
- Fuchs, L. H.: Djerfisherite, alkali copper-iron sulfide: a new mineral from enstatite chondrites, 166
- Fukushima, H. See Nakatani, H., *et al.*
- Fulker, D. W.: Mating speed in male *Drosophila melanogaster*: a psychogenetic analysis, 203
- Fungicide selective for Basidiomycetes, L. V. Edgington *et al.*, 307
- Fungus-growing ants, N. A. Weber, 587
- Further observations on Eskimo culture (*letter*), S. Atamian, 1193

G

- Galactose conversion to D-xylulose: an alternate route of galactose metabolism, P. Cuatrecasas and S. Segal, 549
- Galambos, R. See Byrne, W. L., *et al.*
- Ganschow, R.: Glucuronidase gene expression in somatic hybrids, 84
- Gapcynski, J. P. See Michael, W. H., Jr., *et al.*
- Gardner, F. See Byrne, W. L., *et al.*
- Gardner, J. W.: The government, the universities, and biomedical research, 1601
- Garman, W. H.: For a cleaner Lake Tahoe (*letter*), 695
- Garren, L. D. See Ney, R. L., *et al.*
- Gates, D. M.: book review of Diagnostic criteria for plants and soil, 287
- Gault, D. E., *et al.*: Luna 9 photographs: evidence for a fragmental surface layer, 985
- Gaussian quadrature formulas, A. H. STROUD and D. SECREST, book review by Y. K. Pan, 1515
- GEERTS, S. J. (Ed.), Genetics today, vol. 3, book review of, 403
- Geiman, Q. M., *et al.*: Plasma replacement for in vitro culture of *Plasmodium knowlesi*, 1129
- Gekkonid lizards: average ages derived

- from tail-loss data, H. R. Bustard and R. D. Hughes, 1670
- Generation and detection of coherent elastic waves at 114,000 Mc/sec, J. Ilukor and E. H. Jacobsen, 1113
- Genetic code: aspects of organization, A. L. Goldberg and R. E. Wittes, 420
- Genetic complementation, J. R. S. FINCHAM, *book review* by D. O. Woodward, 288
- Genetic relations of oceanic basalts as indicated by lead isotopes, M. Tatumoto, 1094
- Genetics today, vol. 3, s. J. GEERTS (Ed.), *book review* by V. Bryson, 403
- Geography of frontiers and boundaries, The, J. R. V. PRESCOTT, *book review* by W. A. D. Jackson, 624
- Geography of the U.S.S.R., R. E. H. MELLOR, *book review* by B. R. Guest, 519
- George, J. F. *See* Sofer, W. H., *et al.*
- George, R. Y.: Glycogen content in the wood-boring isopod, *Limnoria lignorum*, 1262
- Gerard, R. D.: Potential freshwater reservoir in the New York area, 870
- Gibberellin production: genetic control in the fungus *Gibberella fujikuroi*, C. Spector and B. O. Phinney, 1397
- Gibbs, R. D.: *book review* of Studies in plant chemistry, including chemical taxonomy, ontogeny, phylogeny, etc., 518
- Gibrel: effect on decomposition of plant materials, P. Chandra and W. B. Bollen, 1663
- GIDDINGS, J. C., and R. A. KELLER (Eds.), Advances in chromatography, *book review* of, 517
- Giddings, J. L.: Cross-dating the archeology of northwestern Alaska, 127
- Gill, T.: *book review* of Forestry in Communist China, 967
- GINZBERG, E., *et al.*, Life styles of educated women, *book review* of, 965
- Glass, B.: Oleomargarine territory (*letter*), 1595
- Glenn, W. W. L. *See* Anagnostopoulos, C. E., *et al.*
- Gleser, G. C. *See* Gottschalk, L. A., *et al.*
- Glial responses to degenerating cerebellar cortico-nuclear pathways in the cat, R. P. Eager and P. R. Eager, 553
- Glover, K. M. *See* Atlas, D., *et al.*
- Glucose-6-phosphate dehydrogenase: homologous molecules in deer mouse and man, C. R. Shaw, 1013
- Glucuronidase gene expression in somatic hybrids, R. Ganschow, 84
- Glycogen content in the wood-boring isopod, *Limnoria lignorum*, R. Y. George, 1262
- Gold, T., and B. W. Hapke: Luna 9 pictures: implications, 290
- Goldberg, A. L., and R. E. Wittes: Genetic code: aspects of organization, 420
- Goldberger, R. F. *See* Marver, D., *et al.*
- Goldman, D. E. *See* Blaustein, M. P.
- Goldsmith, H. L.: Red cells and rouleaux in shear flow, 1406
- Goldstein, J. I.: Butler, Missouri: an unusual iron meteorite, 975
- Goldstein, L. *See* Forster, R. P.
- GOLDSTEIN, Y., *See* MANY, A., *et al.*
- Goles, G. G. *See* Schmitt, R. A., *et al.*
- Goodenough, D. R.: *book review* of Sleep and The psychology of sleep, 854
- Goodman, M.: Phyletic position of tree shrews, 1550
- GOODWIN, T. W. (Ed.), Aspects of insect biochemistry, *book review* of, 624
- Gordon, M.: Industry does retrieve information (*letter*), 816
- Gordy, W. *See* Herak, J. N.
- GORELICK, S. *See* GINZBERG, E., *et al.*
- Goss, R. J.: Hypertrophy versus hyperplasia, 1615
- GOTSHALK, D. W., Human aims in modern perspective, *book review* of, 732
- Gottschalk, L. A., *et al.*: Anxiety levels in dreams: relation to changes in plasma free fatty acids, 654
- Gould, D. J., *et al.*: *Falciparum* malaria: transmission to the gibbon by *Anopheles balabacensis*, 1384
- Government support for social science (*editorial*), D. Wolfe, 485
- Government, The, the universities, and biomedical research, J. W. Gardner, 1601
- Grace, J. T., Jr. *See* Moore, G. E., *et al.*
- Graf, D. L. *See* Anderson, R. J., *et al.*
- Green, H. *See* Todaro, G. J., *et al.*
- Green, S. *See* W. C. Stebbins, *et al.*
- Greenberg, D. S. (*News and Comment*): "bootlegging" in scientific research, 848; fluoridation, 1499; Mohole, 38, 963; national research policy, 611; oceanography, 391; post-Apollo commitments, 1221; research policy, 278; scientific exchange, 848; Soviet science aide ousted, 1500
- Greenberger, N. J., and R. D. Ruppert: Inhibition of protein synthesis: a mechanism for the production of impaired iron absorption, 315
- GREENE, J. E. (Ed.), McGraw-Hill modern men of science, *book review* of, 731
- Greenlee, T. K., Jr. *See* Ross, R.
- Greenwood, F. C. *See* Salasoo, I.
- Gregory, W. C.: *book review* of The use of induced mutations in plant breeding, 404
- GRIGOR'EV, D. P., Ontogeny of minerals, *book review* of, 733
- Gross, P. R., and B. J. Fry: Continuity of protein synthesis through cleavage metaphase, 749
- Grosse, A. V.: Effect of temperature on the life of soap bubbles, and their solidification at low temperature, 894
- GROVER, N. B. *See* MANY, A., *et al.*
- Growth of cereals and grasses, The, F. L. MILTHORPE and J. D. IVINS (Eds.), *book review* by E. E. Terrell, 285
- Growth-inhibiting action of tris(1-aziridinyl)-phosphine oxide in grasses, T. W. Holmsen and J. K. Leasure, 1659
- Grundlagen der vererbung, A. BARTHELMESS, *book review* by L. C. Dunn, 1515
- Guazzi, M., *et al.*: Carotid body chemoreceptors: physiological role in buffering fall in blood pressure during sleep, 206
- Guest, B. R.: *book review* of Geography of the U.S.S.R., 519
- Guillard, R. R. L. *See* Mendiola, L. R., *et al.*
- Gundermann, E. J. *See* Cohen, M. H., *et al.*
- Gwyn, D. G., and J. H. Wolstencroft: Ascending and descending cholinergic fibers in cat spinal cord: histochemical evidence, 1543

H

- Habel, K. *See* Takemoto, K. K., *et al.*
- Hagen, D. Q. *See* Fisher, M. A., *et al.*
- Hailman, J. P. *See* Brace, C. L., *et al.*
- Hainsworth, F. R., and A. N. Epstein: Severe impairment of heat-induced saliva-spreading in rats recovered from lateral hypothalamic lesions, 1255
- Hales, E. B. *See* Liebman, J. C., *et al.*
- Hall, C. S.: *book review* of Daydreaming, 626
- Hall, T., *et al.*: Semiconductor detector, 320
- Halperin, W.: Single cells, coconut milk, and embryogenesis in vitro, 1287
- Halvorson, H. O. *See* Douthit, H. A.
- Hammerschlag, E. *See* Levine, L., *et al.*
- Han, J. *See* Oró, J.
- Han, S. S., and A. G. Johnson: Radioautographic and electron-microscopic evidence of rapid uptake of antigen by lymphocytes, 176
- Handbook of fluorescence spectra of aromatic molecules, A. I. B. BERLMAN, *book review* by C. E. White, 1631
- Handbook of physiology, A. E. RENOLD and G. F. CAHILL, JR. (Eds.), *book review* by R. Reiser, 516
- Handbook on the common marine isopod crustacea of Georgia, R. J. MENZIES and D. FRANKENBERG, *book review* by W. D. Burbanck, 286
- HANSEL, C. E. M., ESP: a scientific evaluation, *book review* of, 1088
- Hanson, W. C.: Cesium-137 body burdens in Alaskan Eskimos during the summer of 1965, 525
- Hapke, B. W. *See* Gold, T.
- Hardebeck, H. E. *See* Cohen, M. H., *et al.*
- Hardy, K. R. *See* Atlas, D., *et al.*
- Harlan, J. R., and D. Zohary: Distribution of wild wheats and barley, 1074
- Harley, N. *See* Tso, T. C., *et al.*
- Harman, G. H.: *book review* of Human aims in modern perspective, 732
- Harris, D. E. *See* Cohen, M. H., *et al.*
- Harrison, C. G. A.: Antipodal location of continents and oceans, 1246
- Harrison, W.: Marine geotechnique (*meeting report*), 326
- Hartman, E. L. *See* Bowers, M. B., Jr., *et al.*
- Harwood, P. D.: Experimentation on humans (*letter*), 692
- Haskin, H. H., *et al.*: *Minchinia nelsonii* sp. (haplosporidia, haplosporidiidae): causative agent of the Delaware Bay oyster epizootic, 1414
- HASLER, A. D., Underwater guideposts: homing of salmon, *book review* of, 405
- Hathaway, P. *See* Boyer, S. H., *et al.*
- Hayashi, M. *See* Matsumura, F.
- Hayatsu, R.: Artifacts in polarimetry and optical activity in meteorites, 859
- Heat-labile serum factor required for immunofluorescence of polyoma tumor antigens, K. K. Takemoto *et al.*, 1122
- Heggestad, H. E. *See* Menser, H. A.
- Heine, V.: *book review* of Semiconductor surfaces, 1371
- Heizer, R. F.: Ancient heavy transport, methods and achievements, 821
- Heldt, H.-W. *See* Baltscheffsky, H., *et al.*
- Help for small colleges (*editorial*), D. Wolfe, 697
- Helson, V. A. *See* Friend, D. J. C.
- Hemoglobins in sheep: multiple differences in amino acid sequences of three beta-chains and possible origins, S. H. Boyer *et al.*, 1539
- Hemoglobins of early human embryonic development, A. Kaltsoya *et al.*, 1417
- Hemopoietic colony-forming units in regenerating mouse liver: suppression by anticoagulants, M. L. Varon and L. J. Cole, 643
- Henderson, J. R. *See* Behrendt, J. C., *et al.*
- Henderson, M. C.: ACE report: further inequalities in the academic ratings (*letter*), 1335
- Henderson, N. D.: Inheritance of reactivity to experimental manipulation in mice, 650
- Henderson, R. J. *See* Brown, G. W., Jr., *et al.*
- Henry, O.: Toxic impurities in Nalgene filter removed, 1551
- Henton, W. W., *et al.*: Odor discrimination in pigeons, 1138
- Henze, C.: LSD: requiescat in pace! (*letter*), 688
- Hepatic synthesis of alpha₂(acute phase)-globulin of rat plasma, E. J. Sarcione and A. E. Bogden, 547
- Herak, J. N., and W. Gordy: Addition radicals formed by hydroxyl radical bombardment of uracil, 1649

- Heremans, J. F. *See* Vaerman, J.-P.
 HERMA, J. L. *See* GINZBERG, E., *et al.*
 Herschman, A.: Ages of test animals: a formula (*letter*), 121
 Hershkovitz, P. *See* Brace, C. L., *et al.*
 Herzfeld, K. F.: *book review* of *The world of the atom*, 1370
 Heterogeneity of template RNA in adrenal glands, R. L. Ney *et al.*, 896
 Hexose-6-phosphate dehydrogenase found in human liver, S. Ohno *et al.*, 1015
 High energy physics, C. DEWITT and M. JACOB (Eds.), *book review* by A. O. Barut, 51
 High-pressure polymorphism in sodium chloride: a reinvestigation, Q. Johnson, 419
 High-pressure reactions and shear strength of serpentinized dunite, C. B. Sclar *et al.*, 1285
 High-speed scanning in human memory, S. Sternberg, 652
 High-temperature synthesis of aromatic hydrocarbons from methane, J. Oró and J. Han, 1393
 Higher education: a population flow feedback model, A. Reisman, 89
 Hills, F. A. *See* Dasch, E. J., *et al.*
 Hines, W.: A protest of innocence (*letter*), 692
 Hirsch, A. E. *See* Ommaya, A. K., *et al.*
 History of the Indian Ocean, A. TOUSSAINT, *book review* by J. H. Parry, 287
 History of the theories of rain, A. W. E. K. MIDDLETON, *book review* by R. G. Fleagle, 285
 Hobbs, R. W. *See* Hollinger, J. P.
 Hoebel, B. G. *See* Caggiula, A. R.
 Hoffman, R. L., and C. D. Evans: Thermal conductivity effect of carrier gases on flame-ionization detector sensitivity, 172
 Hoger, C. *See* Sexton, O. J., *et al.*
 Holcomb, W. G. *See* Anagnostopoulos, C. E., *et al.*
 Hole, F.: Investigating the origins of Mesopotamian civilization, 605
 Hollinger, J. P., and R. W. Hobbs: Supernova remnant W-44: observations at 8350 megacycles per second, 1633
 Holmsen, T. W., and J. K. Leasure: Growth-inhibiting action of tris(1-aziridinyl)-phosphine oxide in grasses, 1659
 Holographic microscopy as a technique for recording dynamic microscopic subjects, C. Knox, 989
 HOLSTEN, R. D. *See* STEWARD, F. C., *et al.*
 Holt, C. E., III. *See* Byrne, W. L., *et al.*
 Holtzman, R. B., and F. H. Ilciewicz: Lead-210 and polonium-210 in tissues of cigarette smokers, 1259
 Honour and shame: the values of Mediterranean society, J. G. PERISTANY (Ed.), *book review* by A. Balikci, 164
 Hooper, F. F. *See* Kent, F.
 Hopkins, D. M. *See* Scholl, D. W., *et al.*
 Horak, J. *See* Chlebovský, O., *et al.*
 Hormones as allosteric effectors, M. A. Venis, 1022
 Horovitz, Z. P. *See* Byrne, W. L., *et al.*
 Hot shadows on Jupiter, W. T. Plummer and R. L. Wildey, 1418
 How to police pollution (*letter*), W. S. Cox, 936
 Hsu, J. M., *et al.*: Pancreatic carboxypeptidases: activities in zinc-deficient rats, 882
 HUAC: academic challenge (*letter*), S. T. Martin, 813
 Huch, W. F. *See* Ney, E. P.
 Hug, G., *et al.*: Phosphorylase kinase of the liver: deficiency in a girl with increased hepatic glycogen, 1534
 Hughes, R. D. *See* Bustard, H. R.
 Human aims in modern perspective, D. W. GOTSHALK, *book review* by G. H. Harman, 732
 Human Factors Society (*Association Affairs*), S. O. Parsons, 1679
 Human geography, A. W. PERPILLOU, *book review* by J. Velikonja, 402
 Human population genetics (*meeting report*), J. M. Spuhler, 660
 Human use of computing machines, *The (editorial)*, P. H. Abelson, 253
 Hummel, K. P., *et al.*: Diabetes, a new mutation in the mouse, 1127
 HUNT, E. L. *See* KIMELDORF, D. J.
 Huntén, D. M.: *book review* of *Phénomènes d'absorption et de diffusion dans l'atmosphère*, 733
 Hyde, E. K. *See* Hall, T., *et al.*
 6-Hydroxylation: effect on the psychotropic potency of tryptamines, R. G. Toborsk *et al.*, 1018
 Hypertrophy versus hyperplasia, R. J. Goss, 1615
 Hypophyseal control of genetic expression during chick feather and skin differentiation, M. B. Yatvin, 184
- I**
- Iacono, J. M. *See* Gottschalk, L. A., *et al.*
 Ilciewicz, F. H. *See* Holtzman, R. B.
 Ilukor, J., and E. H. Jacobsen: Generation and detection of coherent elastic waves at 114,000 Mc/sec, 1113
 IMMERGUT, E. H. *See* BRANDRUP, J.
 Immunization of normal mouse spleen cell suspensions in vitro, R. I. Mishell and R. W. Dutton, 1004
 Immunoglobulin M allotypes of the rabbit: identification of a second specificity, S. Sell, 641
 Implantation in interplanetary dust of rare-gas ions from solar flares, D. Tilles, 981
 In the name of science, H. L. NIEBURG, *book review* by B. C. Denny, 1229
 In vitro synthesis of an infectious mutant RNA with a normal RNA replicase, N. R. Pace and S. Spiegelman, 64
 In what year did Newton die? (*letter*), W. H. Crew, 1336
 Increased cardiovascular reactivity to angiotension caused by renin, G. M. C. Masson *et al.*, 1002
 Industry and education (*editorial*), D. Wolfe, 1599
 Industry does retrieve information (*letter*), M. Gordon, 816
 Influence of the lethal yellow (A^y) gene on estrous synchrony in mice, A. Bartke and G. L. Wolff, 79
 Information exchange group No. 5 (*letter*), S. Dray, 694
 Infrared analysis of rat bone: age dependency of amorphous and crystalline mineral fractions, J. D. Termine and A. S. Posner, 1523
 Infrared study of the hydroxyl bands in clinopyroxenes, R. G. Burns and R. G. J. Strens, 890
 Ingalls, R. P. *See* Meeks, M. L., *et al.*
 Inger, R. F., and H. Brooks: NSF (*letters*), 9
 INGLE, J. C., JR.: The movement of beach sand, *book review* of, 1232
 Inheritance of reactivity to experimental manipulation in mice, N. D. Henderson, 650
 Inhibition of protein synthesis: a mechanism for the production of impaired iron absorption, N. J. Greenberger and R. D. Ruppert, 315
 Inhibitory and facilitatory effect of two related peptides on extinction of avoidance behavior, B. Bohus and D. de Wied, 318
 Inorganic pyrophosphate: formation in bacterial photophosphorylation, H. Baltscheffsky *et al.*, 1120
 Insulated gate field effect transistor amplifier, R. L. Cechner, 1549
 Interaction of cortex and superior colliculus in mediation of visually guided behavior in the cat, J. M. Sprague, 1544
 Intelligence in the universe, R. A. MCGOWAN and F. I. ORDWAY III, *book review* by P. Morrison, 1628
 Intelligent life in the universe, I. SHKLOVSKII, *book review* by P. Morrison, 1628
 Interpretation of some organic photochemistry, H. E. Zimmerman, 837
 Interstellar gas dynamics, F. D. KAHN (Ed.), *book review* by P. O. Vanderwoort, 1093
 Intracranial mobility in the coelacanth, K. S. Thomson, 999
 Intranuclear microtubules, O. Behnke and A. Forer, 1536
 Intravenous injection of thalidomide in pregnant rabbits, R. R. Fox *et al.*, 310
 Introduction to agricultural botany in India, G. V. CHALAM and J. VENKATESWARLU, *book review* by R. W. Phillips, 854
 Invention and economic growth, J. SCHMOOKLER, *book review* by R. R. Nelson, 1367
 Inventor and entrepreneur, recollections of Werner von Siemens, *book review* by J. J. Beer, 405
 Investigating the origins of Mesopotamian civilization, F. Hole, 605
 Ionizing radiation: neural function and behavior, D. J. KIMELDORF and E. L. HUNT, *book review* by L. M. Beidler, 968
Iphita limbata Stal.: components of neurosecretory material, K. R. Seshan and P. I. Ittycheriah, 427
 Ishikura, H., *et al.*: Oligoribonucleotides: improvement in chromatographic separation, 300
 Isolation of nuclei from a marine dinoflagellate, L. R. Mendiola *et al.*, 1661
 Isotopic composition of strontium in volcanic rocks from Oahu, J. L. Powell and S. E. DeLong, 1239
 Isotopic evidence on the early life history of *Nautilus pompilius* (Linné), R. Eichler and H. Ristedt, 734
 Ittycheriah, P. I. *See* Seshan, K. R.
 Iverson, R. M. *See* Sofer, W. H., *et al.*
 IVINS, J. D. *See* MILTHORPE, F. L.
- J**
- Jackson, W. A. D.: *book review* of *The geography of frontiers and boundaries*, 624
 JACOB, M. *See* DEWITT, C.
 Jacobsen, E. H. *See* Ilukor, J.
 JACOBSON, H. K., and E. STEIN, Diplomats, scientists, and politicians: the United States and the nuclear test ban negotiations, *book review* of, 1091
 Jaffe, L. D., and R. F. Scott: Lunar surface strength: implications of Luna 9 landing, 407
 Jakoby, W. B., *et al.*: Thyroglobulin: evidence for crystallization and association, 1671
 James, J. *See* Brown, G. W., Jr., *et al.*
 Janovy, J., Jr.: *book review* of *Protozoology*, 1090
 Jarvik, M. E. *See* Byrne, W. L., *et al.* *See also* Kopp, R., *et al.*
 Jarvis, P. G., and R. O. Slatyer: Calibration of β gauges for determining leaf water status, 78
 Jenkins, D. R. *See* Liebman, J. C., *et al.*
 John, E. R. *See* Ruchkin, D. S.
 Johnson, A. G. *See* Han, S. S.
 Johnson, A. R., *et al.*: Strontium incorporation into dental enamel, 1396

- Johnson, C. M. *See* Young, M. D., *et al.*
 Johnson, F. H.: Bioluminescence (*meeting report*), 1141
 Johnson, P. L. *See* Likens, G. E.
 Johnson, Q.: High-pressure polymorphism in sodium chloride: a reinvestigation, 419
 JOHNSON, R. E., University algebra, *book review of*, 1233
 Jolly, A.: Lemur social behavior and primate intelligence, 501
 Jones, B. F. *See* Anderson, R. J., *et al.*
 Juhl, U. *See* Miller, E. C., *et al.*
 Julesz, B.: Binocular disappearance of monocular symmetry, 657

K

- Kabasakalian, L. *See* Lester, L. P., *et al.*
 KAHN, F. D. (Ed.), Interstellar gas dynamics, *book review by* P. O. Vanderwoort, 1093
 Kaltsoya, A., *et al.*: Hemoglobins of early human embryonic development, 1417
 Kamienski, F. X. *See* Casida, J. E., *et al.*
 Kamrin, B. B.: Alpha globulin injections and decreased gamma globulin production in chickens, 1261
 KAO, F. F. *See* BROOKS, C. M., *et al.*
 Kaplan, I. R., and A. Nissenbaum: Anomalous carbon-isotope ratios in nonvolatile organic material, 744
 Kaplan, L. D. *See* Connes, J., *et al.*
 Katz, I. *See* Atlas, D., *et al.*
 Kavanau, J. L., *et al.*: Protein conformations in biological membranes, 213
 KEENAN, B. R. (Ed.), Science and the university, *book review of*, 519
 KELLER, R. A. *See* GIDDINGS, J. C.
 Keller, W. D.: English spoken here (*letter*), 1194
 KENDALL, D. N. (Ed.), Applied infrared spectroscopy, *book review of*, 517
 Kennard, O. *See* Shefter, E.
 Kennett, J. P.: Foraminiferal evidence of a shallow calcium carbonate solution boundary, Ross Sea, Antarctica, 191
 Kenney, D. W. *See* Elsnor, R., *et al.*
 Kennington, G. S. *See* Brace, C. L., *et al.*
 Kent, F., and F. F. Hooper: Synthetic detergents: their influence upon iron-binding complexes of natural waters, 526
 Kiefer, J. E. *See* Walker, T. R.
 KIMELDORF, D. J., and E. L. HUNT: Ionizing radiation: neural function and behavior, *book review of*, 968
 KIORTSIS, V., and H. A. L. TRAMPUSCH (Eds.), Regeneration in animals and related problems, *book review of*, 49
 Kirk, B. T., and J. B. Sinclair: Plasmodesmata between hyphal cells of *Geotrichum candidum*, 1646
 Kitto, G. B., and A. C. Wilson: Evolution of malate dehydrogenase in birds, 1408
 Klachko, D. M. *See* Winer, N., *et al.*
 Klekowski, E. J., Jr., and H. G. Baker: Evolutionary significance of polyploidy in the Pteridophyta, 305
 Kline, G. M.: *book review of* Polymer handbook, 1372
 Klingenberg, M. *See* Baltscheffsky, H., *et al.*
 Knipling, E. B. *See* Kramer, P. J., *et al.*
 Knox, C.: Holographic microscopy as a technique for recording dynamic microscopic subjects, 989
 Koczy, F. F.: Tropical oceanography (*meeting report*), 557
 Kodama, H. *See* Schnitzer, M.
 Kofoed, J. *See* Schafer, I. A., *et al.*
 Koh, S. D., and T.-H. Koh: Scaling of musical preferences by the mentally retarded, 432
 Koh, T.-H. *See* Koh, S. D.

- Kohler, R. E. *See* Ron, E. Z., *et al.*
 Komai, H., and J. B. Neilands: Zinc and cobalt: effect on the iron metabolism of *Ustilago spheerogena*, 751
 Konorski, J. *See* Dobrzecz, C., *et al.*
 Konrad, T. G. *See* Atlas, D., *et al.*
 Kopp, R., *et al.*: Long temporal gradient of retrograde amnesia for a well-discriminated stimulus, 1547
 Korn, E. D.: Structure of biological membranes, 1491
 KOSTERMANS, A. J. G. H., and F. R. FOSBERG (Eds.), Ecological research in humid tropic vegetation, *book review of*, 732
 Kramer, P. J., *et al.*: Terminology of cell-water relations, 889
 Kraus, J. D. *See* Brundage, W. D.
 Krauss, R. W. *See* Thimann, K. V.
 KRIKORIAN, A. D. *See* STEWARD, F. C., *et al.*
 Kritchevsky, D., and R. Paoletti: Atherosclerosis (*meeting report*), 1023
 Kruger, F. C.: *book review of* Supply and competition in minor metals, 1631
 KUDO, R. R., Protozoology, *book review of*, 1090
 KUNDU, M. R., Solar radio astronomy, *book review of*, 163
 Kung, H. *See* Madison, J. T., *et al.*
 Kuroda, P. K. *See* Rao, M. N., *et al.*
 Kutscher, A. H. *See* Sulzberger, M. B., *et al.*
 Kuwatsuka, S. *See* Casida, J. E., *et al.*
 Kyanite-andalusite equilibrium from 700° to 800°C, R. C. Newton, 170

L

- Labaw, L. *See* Jakoby, W. B., *et al.*
 Laboratory culturing of a thermophilic alga at high temperature, R. Ascione *et al.*, 752
 Lactate dehydrogenase isozymes of chick embryo: response to variations of ambient oxygen tension, S. Lindy and M. Rajasalmi, 1401
 Lambert, B.: *book review of* Lamotrek Atoll and inter-island socioeconomic ties, 1371
 Lamotrek Atoll and inter-island socioeconomic ties, 1371
 Lampert, M. A., *et al.*: Don't dam the Grand Canyon! (*letter*), 1058
 Land behind Baghdad, R. MCC. ADAMS, *book review by* G. F. Dales, 518
 Landau, J. V.: Protein and nucleic acid synthesis in *Escherichia coli*: pressure and temperature effects, 1273
 Langer, E. (*News and Comment*): banning history, 616; case of Martin Sobell, 1501; disarmament on the moon, 153; educational deductions, 845; Ford Foundation, 962; HUAC inquiry, 1087; humane treatment of dogs and cats, 846; medicine for the poor, 508; peace questionnaire, 276; seizure of universities in Argentina, 1362
 Langley, P. L. *See* Winer, N., *et al.*
 Language requirements for the Ph.D. (*letter*), S. Ross and C. W. Shilling, 1595
 Lanier, G. N., and J. H. Oliver, Jr.: "Sex-ratio" condition: unusual mechanisms in bark beetles, 208
 Laser as light source for optical diffractometers: Fourier analysis of electron micrographs, J. E. Berger *et al.*, 168
 Late Pleistocene vegetation and degree of pluvial climatic change in the Chihuahuan Desert, P. V. Wells, 970
 Lathyrism (*meeting report*), H. B. Bensusan, 322
 Latterell, R. L.: Nitrogen- and helium-induced anoxia: different lethal effects on rye seeds, 69
 Lauweryns, J. M.: Pulmonary arterial vasculature in neonatal hyaline membrane disease, 1275
 Lead-210 and polonium-210 in tissues of cigarette smokers, R. B. Holtzman and F. H. Ilciewicz, 1259
 Leaf, R. C. *See* Byrne, W. L., *et al.*
 Leasure, J. D. *See* Holmsen, T. W.
 Lee, J. C. *See* Lester, L. P., *et al.*
 Leibowitz, S. F. *See* Deutsch, J. A.
 Leighton, R. B., and B. C. Murray: Behavior of carbon dioxide and other volatiles on Mars, 136
 Lemur social behavior and primate intelligence, A. Jolly, 501
 Lerner, H. J. *See* Sulzberger, M. B., *et al.*
 Lester, D. *See* Lester, L. P., *et al.*
 Lester, L. P., *et al.*: Who judges the teachers? (*letters*), 813
 Let the Great Smokies escape high-speed roads (*letter*), A. B. Lowenfels, 1335
 Leucine incorporation into the membranellar bands of regenerating and non-regenerating stentor, N. de Terra, 543
 Levenbook, L.: *book review of* Aspects of insect biochemistry, 624
 Leveteau, J., and P. MacLeod: Olfactory discrimination in the rabbit olfactory glomerulus, 175
 Levin, A. S. *See* Alper, C. A., *et al.*
 Levine, L., *et al.*: Antibodies to photoproducts of deoxyribonucleic acids irradiated with ultraviolet light, 1666
 Levitt, R. A.: Sleep deprivation in the rat, 85
 Levy, H.: *book review of* Tensor calculus through differential geometry, 1234
 Lewis, F. S. *See* Rutman, R. J., *et al.*
 Lewis, H. F.: *book review of* Chemistry and biology laboratories: design, construction, equipment, 162
 Ley, W.: Quarks defined (*letter*), 368
 Libby, P. R., and T. L. Dao: Rat mammary gland RNA: incorporation of C¹⁴-formate and effect of hormones and 7,12-dimethylbenz[a]anthracene, 303
 Libby, W. F. *See* Berger, R., *et al.*
 Lide, D. R., Jr.: Applied infrared spectroscopy, 517
 Liebman, J. C., *et al.*: Mathematical illusions (*letters*), 688
 Life styles of educated women, E. GINZBERG *et al.*, *book review by* A. Roe, 965
 LIGHTSTONE, A. H., Symbolic logic and the real number system: an introduction to the foundations of number systems, *book review of*, 519
 Likens, G. E., and P. L. Johnson: Chemically stratified lake in Alaska, 875
 Lin, E. C. C. *See* Zwaig, N.
 Lindberg, M. L.: *book review of* Ontogeny of clean minerals, 733
 Lindy, S., and M. Rajasalmi: Lactate dehydrogenase isozymes of chick embryo: response to variations of ambient oxygen tension, 1401
 Linn, L.: *book review of* Psychiatry and public affairs, 1368
 Lipe, W. N., and J. C. Crane: Dormancy regulation in peach seeds, 541
 Lipid films as transducers for detection of antigen-antibody and enzyme-substrate reactions, J. del Castillo *et al.*, 185
 Lippincott, E. R. *See* Eck, R. V., *et al.*
See also Zhulin, V. M., *et al.*
 Lipscomb, W. N.: Framework rearrangement in boranes and carboranes, 373
 Lisk, R. D. *See* Beach, F. A.
 LLOYD, B. B. *See* BROOKS, C. M.
 Lodge, J. P., Jr., and J. B. Pate: Atmospheric gases and particulates in Panama, 408
 Løken, O. H.: Baffin Island refugia older than 54,000 years, 1378
 Long, I. R. *See* Ross, M. H.
 Long temporal gradient of retrograde amnesia for a well-discriminated stimulus, R. Kopp *et al.*, 1547

- Loree, T. R., *et al.*: Polymorphism of shock loaded Fe-Mn and Fe-Ni alloys, 1277
- Lowe, C. U., *et al.*: Mucopolysaccharide from patients with cystic fibrosis of the pancreas, 1124
- Lowenfels, A. B.: Let the Great Smokies escape high-speed roads (*letter*), 1335
- Lowinger, P.: Drug tests: integrity and courage (*letter*), 121
- LSD: requiescat in pace! (*letter*), C. Henze, 688
- LSD: tamed for research (*letter*), C. C. Dahlberg, 1595
- LUCE, G. G., and J. SEGAL, Sleep, *book review of*, 854
- Ludlum, D. B. *See* Wilhelm, R. C.
- Luminous phenomena in nocturnal tornadoes, B. Vonnegut and J. R. Weyer, 1213
- Luna 9 photographs: evidence for a fragmental surface layer, D. E. Gault *et al.*, 985
- Luna 9 pictures: implications, T. Gold and B. W. Hapke, 290
- Lunar orbiter: tracking data indicate properties of moon's gravitational field, W. H. Michael, Jr., *et al.*, 1102
- Lunar surface strength: implications of Luna 9 landing, L. D. Jaffe and R. F. Scott, 407
- Luyten, W. J., and K. S. Thorne: Observations on observational and other astronomy (*letters*), 366
- M**
- Macdowall, F. D. H., *et al.*: Ozone dose and plant injury, 1552
- Mackey, G. W., and M. Burton: Effort reporting and cost sharing of federal research (*letters*), 1057
- Mackin, J. A. *See* Haskin, H. H., *et al.*
- MacLeod, R. *See* Leveteau, J.
- Maddy, A. H. *See* Kavanau, J. L., *et al.*
- Madison, J. T., *et al.*: Nucleotide sequence of a yeast tyrosine transfer RNA, 531
- Magnesium in sea water: an electrode measurement, M. E. Thompson, 866
- Magnesium pemoline and behavior, R. Bowman and N. Plotnikoff, 902
- Mahone, R. H. *See* Ommaya, A. K., *et al.*
- Maize in tropical Africa, M. P. MIRACLE, *book review by* W. D. Clayton, 161
- Major, D. *See* Dowling, J. E., *et al.*
- Malahoff, A., *et al.*: Molokai fracture zone: continuation west of the Hawaiian ridge, 521
- Malathion degradation by *Trichoderma viride* and a *Pseudomonas* species, F. Matsumura and G. M. Boush, 1278
- Malcolm, B. R. *See* Kavanau, J. L., *et al.*
- Malmgren, R. A. *See* Takemoto, K. K., *et al.*
- Mandell, A. J. *See* Rubin, R. T., *et al.*
- Mangiarotti, G., *et al.*: Selection of sucrose-dependent *Escherichia coli* to obtain envelope mutants and fragile cultures, 892
- Manley, R. S. *See* Blais, P.
- Manual for the classification and determination of the anaerobic bacteria, A. PREVOT, *book review by* L. D. S. Smith, 1517
- MANY, A., *et al.*, Semiconductor surfaces, *book review of* 1370
- Marangoni flow: an additional mechanism in boiling heat transfer, J. L. McGrew *et al.*, 1106
- Margules, D. L. *See* Byrne, W. L., *et al.*
- Marine bioacoustics (*meeting report*), W. N. Tavolga, 771
- Marine geotechnique (*meeting report*), W. Harrison, 326
- Mars: new absorption bands in the spectrum, J. Connes *et al.*, 739
- Marshall, L. H.: Behavioral sciences: vocabulary (*meeting report*), 323
- Martian surface, The, E. J. Öpik, 255
- Martian wave of darkening: a frost phenomenon?, J. Otterman and F. E. Bronner, 56
- MARTIN, J. J., Atmospheric reentry: an introduction to its science and engineering, *book review of*, 626
- Martin, S. T.: HUAC: academic challenge (*letter*), 813
- Marver, D., *et al.*: Correlation between location and time of expression for genes in a single operon, 1655
- MASLOW, A. H., The psychology of science: a reconnaissance, *book review of*, 284
- Mason, S. G. *See* Zia, I. Y. Z., *et al.*
- Mass-yield distribution of the fission products in fallout from the 14 May 1965 nuclear explosion, M. N. Rao *et al.*, 633
- Masson, G. M. C., *et al.*: Increased cardiovascular reactivity to angiotension caused by renin, 1002
- Mathematical illusions (*letters*), J. C. Liebman *et al.*, 688
- Mathematical practitioners of Hanoverian England, The, 1714-1840, E. G. R. TAYLOR, *book review by* D. T. Whiteside, 1630
- Mathematics for science, W. L. FERRAR, *book review by* E. J. Pinney, 52
- Mating speed in male *Drosophila melanogaster*: a psychogenetic analysis, D. W. Fulker, 203
- Matsumura, F., and G. M. Boush, Malathion degradation by *Trichoderma viride* and *Pseudomonas* species, 1278
- and M. Hayashi: Dieldrin: interaction with nerve components of cockroaches, 757
- Matsunaga, M. *See* Masson, G. M. C., *et al.*
- Matthews, J. L. *See* Frakes, L. A., *et al.*
- Mattis, P. A. *See* Rubin, L. F.
- MAXWELL, G. *See* FEYERABEND, P.
- Maxwell, J. R. *See* Eglinton, G., *et al.*
- McElheny, V. K. (*Report from Europe*): CERN and Serpukhov prepare for collaboration, 622; East-West exchanges of technology increase rapidly, 156; Franco-Russian collaboration in science: De Gaulle's visit, 43; Kapitsa's visit to England, 725; Oceanography in Britain: significant new support, 727; Pasteur Institute rebels lose a round, 1226; Research and industry in Czechoslovakia, 620; Technology in Britain: new moves, 619; Too much silence on the potentials of biology?, 283; Total synthesis of insulin in Red China, 281; United States looks at Swedish shipbuilding technology, 850; What the French president saw: a Gallic view of Novosibirsk, 45
- McClain, E. F. *See* Bologna, J. M., *et al.*
- McGaugh, J. L.: Time-dependent processes in memory storage, 1351
- McGeer, E. G., and P. L. McGeer: Circadian rhythm in pineal tyrosine hydroxylase, 73
- McGeer, P. L. *See* McGeer, E. G.
- MCGOWAN, R. A., and F. I. ORDWAY III, Intelligence in the universe, *book review of*, 1628
- McGraw-Hill basic bibliography of science and technology, D. I. EGGENBERGER (Ed.), *book review by* H. Deason, 731
- McGraw-Hill modern men of science, J. E. GREENE (Ed.), *book review by* H. Deason, 731
- McGraw-Hill yearbook of science and technology, The, D. I. EGGENBERGER (Ed.), *book review by* H. Deason, 731
- McGrew, J. L., *et al.*: Marangoni flow: an additional mechanism in boiling heat transfer, 1106
- McLaren, I. A., *et al.*: Polyteny: a source of cryptic speciation among copepods, 1641
- MCNAIR, J. B., Studies in plant chemistry, including chemical taxonomy, ontogeny, phylogen, etc., *book review of*, 518
- McVittie, G. C.: *book review of* The measure of the universe: a history of modern cosmology, 159
- Measure of the universe, The: a history of modern cosmology, J. D. NORTH, *book review by* G. C. McVittie, 159
- Measurement of stellar diameters, R. H. Miller, 581
- Mechanism for intercalation of kaolinite by alkali acetates, D. L. Smith *et al.*, 741
- Mechanism of a reaction in vitro associated with delayed-type hypersensitivity, B. R. Bloom and B. Bennett, 80
- Medical ethics (*editorial*), I. H. Page, 371
- Medical problems of the developing countries, R. E. Brown, 271
- Meeks, M. L., *et al.*: Stokes parameters for 1665-megacycles-per-second emission from OH near source W3, 978
- Meeting reports: Allergies: ecological approach, 903; Atherosclerosis, 1023; Behavioral sciences: vocabulary, 323; Bioluminescence, 1141; Diseases of laboratory animals, 906; Earthquake prediction, 1024; Human population genetics, 660; Lathyrism, 322; Marine bioacoustics, 771; Marine geotechnique, 326; Mental retardation, 1290; *Neurospora*, 1553; Nucleic acid and protein chemistry, 92; Nucleolus: structure and function, 214; Our deep and wide ocean, 1423; Pediatric outpatient department, 1026; Probing the ocean, 1421; Reflections on research and the future of medicine, 442; Shock metamorphism of natural materials, 903; Speleology, 559; Structure of cell membranes at the molecular level, 324; Teaching machines, 1289; Tropical oceanography, 557
- Meinwald, J. *See* Eisner, T.
- Meister, L. *See* Behrendt, J. C., *et al.*
- Melartin, L., and B. S. Blumberg: Albumin Naskapi: a new variant of serum albumin, 1664
- Mellors, G. W. *See* Senderoff, S.
- MELLOR, R. E. H., Geography of the U.S.S.R., *book review of*, 519
- Melmon, K. L. *See* Cline, M. J.
- Memory transfer, W. L. Byrne *et al.*, 658
- Mendelsohn, E., *et al.*: On biomedical discoveries (*letter*), 1194
- Mendiola, L. R., *et al.*: Isolation of nuclei from a marine dinoflagellate, 1661
- Menser, H. A., and H. E. Heggstad: Ozone and sulfur dioxide synergism: injury to tobacco plants, 424
- Mental retardation (*meeting report*), H. Eichenwald, 1290
- MENZIES, R. J., and D. FRANKENBERG, Handbook on the common marine isopod crustacea of Georgia, *book review of*, 286
- Mercury: infrared evidence for nonsynchronous rotation, S. L. Soter, 1112
- Metacontrast: its relation to evoked potentials: P. H. Schiller and S. L. Choroover, 1398
- Methods of orbit determination, P. R. ESCOBAL, *book review by* M. S. Davis, 288
- Methylene-C¹⁴-dioxiphenyl compounds: metabolism in relation to their synergistic action, J. E. Casida *et al.*, 1130
- Mexican freetail bats: photography, H. E. Edgerton *et al.*, 201
- Meyer, W. M., Jr. *See* Tackett, S. L., *et al.*
- MEYERSON, M., and E. C. BANFIELD, Boston: the job ahead, *book review of*, 1092
- Michael, W. H., Jr., *et al.*: Lunar or-

- biter: tracking data indicate properties of moon's gravitational field, 1102
- MIDDLETON, W. E. K.: A history of the theories of rain, *book review* of, 285
- Milford, M. H. *See* Smith, D. L., *et al.*
- Milk production of cows on protein-free feed, A. I. Virtanen, 1603
- Miller, D. A.: On being referred to (*letter*), 364
- Miller, E. C., *et al.*: Nucleic acid guanine: reaction with the carcinogen *N*-acetoxy-2-acetylaminofluorene, 1125
- Miller, F. L. *See* Stebbins, W. C., *et al.*
- Miller, J. A. *See* Miller, E. C., *et al.*
- Miller, L. N. *See* Kramer, P. J., *et al.*
- Miller, R. L.: Measurement of stellar diameters, 581
- Miller, P. M. *See* Edgington, L. V., *et al.*
- Millett, J. D.: *book review* of Science and the university, 519
- Milliman, J. D.: Submarine lithification of carbonate sediments, 994
- MILTHORPE, F. L., and J. D. IVINS (Eds.), The growth of cereals and grasses, *book review* of, 285
- Milton, D. J.: Drifting organisms in the Precambrian sea, 293
- Minchinia nelsoni* n. sp. (haplosporida, haplosporidiidae): causative agent of the Delaware Bay oyster epizootic, H. H. Haskin *et al.*, 1414
- Mind, matter, and method: essays in philosophy and science in honor of Herbert Feigl, P. FEYERABEND and G. MAXWELL, *book review* by R. H. Thomson, 1092
- MIRACLE, M. P., Maize in tropical Africa, *book review* of, 161
- Miracles beget miracles (*letter*), W. S. Emmerich, 1336
- Mishell, R. I., and R. W. Dutton: Immunization of normal mouse spleen cell suspensions in vitro, 1004
- Mitchell, L. C.: Scientific exchange with the U.S.S.R. (*letter*), 483
- Moffett, A., and G. Ettlinger: Opposite responding in two sense modalities, 205
- Mohole: cost versus results (*letter*), W. D. Carson, 482
- Molecular biology and the nature of man (*letter*), V. R. Potter, 121
- Molecular mechanism of red cell "sickling," M. Murayama, 145
- Molokai fracture zone: continuation west of the Hawaiian ridge, A. Malahoff *et al.*, 521
- Monaco, A. P., *et al.*: Antiserum to lymphocytes: prolonged survival of canine renal allografts, 1264
- Montmorillonite: effect of pH on its adsorption of a soil humic compound, M. Schnitzer and H. Kodama, 70
- Moore, C. B. *See* Tackett, S. L., *et al.*
- Moore, G. E., *et al.*: Myeloma cells and immunoglobulin formation, 212
- Moore, H. J. *See* Gault, D. E., *et al.*
- Moore, J. W. *See* Narahashi, T., *et al.*
- Morphology of nascent Ziegler-Natta polymers, P. Blais and R. S. Manley, 539
- Morris, W. J.: Fossil mammals from Baja California: new evidence on early Tertiary migrations, 1376
- Morrisett, L. N.: Preschool education (*editorial*), 1197
- Morrison, M. *See* Ohno, S., *et al.*
- Morrison, P.: *book review* of Intelligent life in the universe, 1628
- Morse, R. W. *See* Adkins, R. J., *et al.*
- Moskowitz, G. W., and R. L. Bowman: Multicapillary mixer of solutions, 428
- MOTZ, E. *See* BOORSE, H. A.
- Movement directions in late Paleozoic glacial rocks of the Horlick and Pensacola mountains, Antarctica, L. A. Frakes *et al.*, 746
- Movement of beach sand, The, J. C. INGLE, JR., *book review* by W. E. Yasso, 1232
- Mucopolysaccharide from patients with cystic fibrosis of the pancreas, C. U. Lowe *et al.*, 1124
- Mueller-Dombois, D.: *book review* of Ecological research in humid tropics vegetation, 732
- Mukammal, E. I. *See* Macdowall, F. D. H., *et al.*
- Multicapillary mixer of solutions, G. W. Moskowitz and R. L. Bowman, 428
- Multiple causes and controls in differentiation, B. E. Wright, 830
- Mummified Pleistocene ostracods in Alaska, R. A. M. Schmidt and P. V. Sellmann, 167
- Murayama, M.: Molecular mechanism of red cell "sickling," 145
- Murray, B. C. *See* Leighton, R. B.
- Murthy, V. R. *See* Stueber, A. M.
- Muscle relaxation: evidence for an intrafibrillar restoring force in vertebrate striated muscle, C. Parsons and K. R. Porter, 426
- Myeloma cells and immunoglobulin formation, G. E. Moore *et al.*, 212
- Myotonic response induced by inhibitors of cholesterol biosynthesis, N. Winer *et al.*, 312

N

- Nafziger, R. H. *See* Toulmin, P., III., *et al.*
- Nakatani, H., *et al.*: *N*-cyclohexyl linoleamide: metabolism and cholesterol-lowering effects in rats, 1267
- Narahashi, T. *et al.*: Tetrodotoxin does not block excitation from inside the nerve membrane, 765
- National Bureau of Standards, The (*editorial*), P. H. Abelson, 939
- Nature of seed dormancy *Phacelia tanacetifolia*: S. S. C. Chen and K. V. Thimann, 1537
- Naughton, M. A. *See* Boyer, S. H., *et al.*
- N*-cyclohexyl linoleamide: metabolism and cholesterol-lowering effects in rats, H. Nakatani *et al.*, 1267
- Neder, I. R. *See* Frakes, L. A., *et al.*
- Neelon, F. A. *See* Ishikura, H., *et al.*
- Neely, K. K.: Divers' communications improved 321
- Neilands, J. B. *See* Komai, H.
- Nelson, B. (*News and Comment*): Redwoods, 1620; resignation of Eric P. Goldman, 1505
- Nelson, C. W.: *book review* of Explorations in elementary mathematics, 49
- Nelson, R. R.: *book review* of Invention and economic growth, 1367
- Neter, E. *See* Lowe, C. U., *et al.*
- Neurospora* (*meeting report*), R. H. Davis, 1553
- Neutral hydrogen survey of Andromeda galaxy, 411; addendum, 1550, W. D. Brundage and J. D. Kraus
- New channels for grants (*letter*), I. Stevenson, 816
- New roads to yesterday: essays in archaeology, J. R. CALDWELL (Ed.), *book review* by R. W. Ehrich, 856
- New Soviet genetics, The (*letter*), R. H. Osborne, 1194
- New utopians, The: a study of system design and social change, R. BOGUSLAW, *book review* by A. Newell, 516
- Newell, A.: *book review* of The new utopians: a study of system design and social change, 516
- News and Comment*: banning history, 616; Bell Telephone Laboratories, 393, 720; "bootlegging" in scientific research, 848; Canadian science advisors, 1083; case of Morton Sobell, 1501; congressional debate over science jurisdictions, 1364; disarmament on the moon, 153; educational deductions, 845; educational technology, 1624; fluoridation, 1499; Ford Foundation, 962; HUAC inquiry, 1087; humane treatment of dogs and cats, 846; information services, 722; Kalinga prize, 1627; medicine for the poor, 508; Mohole, 38, 963; national research policy, 611; National Institutes of Health, 149; oceanography, 391; Office of Naval Research, 397; peace questionnaire, 276; post-Apollo commitments, 1221; redwoods, 1620; research policy, 278; resignation of Eric P. Goldman, 1505; scientific exchange, 848; seizure of universities in Argentina, 1362; Smith is beaten, 512; social sciences, 154; Soviet science aide ousted, 1500; space science, 615; student housing, 277; "systems approach" for domestic problems, 1222; Wilderness Act, 39
- Newton, R. C.: Kyanite-andalusite equilibrium from 700° to 800°C, 170
- Ney, E. P., and W. F. Huch: Optical environment in Gemini space flights, 297
- Ney, R. L., *et al.*: Heterogeneity of template RNA in adrenal glands, 896
- Nickel orthouronate: high-pressure synthesis, A. P. Young, 1380
- Nicolis, G.: *book review* of Treatise on irreversible and statistical thermophysics, 1630
- Nieburg, H. L.: *book review* of Diplomats, scientists, and politicians: the United States and the nuclear test ban negotiations, 1091
- NIEBURG, H. L., In the name of science, *book review* of, 1229
- NIH budget hearings (*editorial*), P. H. Abelson, 579
- NIH grants: new policies (*letter*), T. Tuve, 479
- Nilsson, C.: Some doubts about the earth's dust cloud, 1242
- Nissenbaum, A. *See* Kaplan, I. R.
- Nitrogen- and helium-induced anoxia: different lethal effects on rye seeds, R. L. Latterell, 69
- Normality: theoretical and clinical concepts of mental health, D. OFFER and M. SABSHIN, *book review* by G. M. Carstairs, 1513
- Norris, R. E.: *book review* of The diatoms of the United States exclusive of Alaska and Hawaii, 1369
- North Atlantic deep-sea fertility, R. O. Fournier, 1250
- NORTH, J. D., The measure of the universe: a history of modern cosmology, *book review* of, 159
- Novick, S.: Reactions to nuclear reactors (*letter*), 1194
- NSF (*letters*), R. F. Inger and H. Brooks, 9
- Nuclear hematology, E. SZIRMAI, *book review* by M. S. Wheby, 404
- Nucleic acid and protein chemistry (*meeting report*), R. D. Cole and C. A. Dekker, 92
- Nucleic acid guanine: reaction with the carcinogen *N*-acetoxy-2-acetylaminofluorene, E. C. Miller *et al.*, 1125
- Nucleolus: structure and function (*meeting report*), R. P. Perry, 214
- Nucleotide sequence of a yeast tyrosine transfer RNA, J. T. Madison *et al.*, 531

O

- Oberbeck, V. R. *See* Gault, D. E., *et al.*
- Observations on observational and other astronomy (*letters*), W. J. Luyten and K. S. Thorne, 366
- Occurrence of isoprenoid fatty acids in the Green River shale, G. Eglinton *et al.*, 1133
- Odend'hal, S., and T. C. Poulter: Pressure regulation in the middle ear cavity of sea lions: a possible mechanism, 768
- Odor discrimination in pigeons, W. W. Henton *et al.*, 1138
- OFFER, D., and M. SABSHIN, Normality: theoretical and clinical concepts of mental health, *book review* of, 1513

- Ohno, S., *et al.*: Hexose-6-phosphate dehydrogenase found in human liver, 1015
- Ohtsuki, H. *See* Yoshida, M.
- Oleomargarine territory (*letter*), B. Glass, 1595
- Olfactory discrimination in the rabbit olfactory glomerulus, J. Levetau and P. MacLeod, 175
- Oligoribonucleotides: improvement in chromatographic separation, H. Ishikura *et al.*, 300
- Oliver, J.: Earthquake prediction (*meeting report*), 1024
- Oliver, J. H., Jr. *See* Lanier, G. N.
- Olmstead, R. W.: Pediatric outpatient department (*meeting report*), 1026
- Olson, W. S. *See* Brace, C. L., *et al.*
- Olsson, C. N., and A. G. Smith: Decametric radio pulses from Jupiter: characteristics, 289
- Ommaya, A. K., *et al.*: Cerebral concussion in the monkey: an experimental model, 211
- On being referred to (*letter*), D. A. Miller 364
- On biomedical discoveries (*letter*), E. Mendelsohn *et al.*, 1194
- On scientific illiterature (*letter*) R. A. Weale, 1058
- On using inferential statistics (*letter*), G. J. Driessen and A. J. Derbyshire, 817
- One-way stimulation in mixed leukocyte cultures, F. H. Bach and N. K. Vovnow, 545
- Ontogeny of minerals, D. P. GRIGOV'EV, *book review* by M. L. Lindberg, 733
- Opik, E. J.: The Martian surface, 255
- Opposite responding in two sense modalities, A. Moffett and G. Ettlinger, 205
- Optical environment in Gemini space flights, E. P. Ney and W. F. Huch, 297
- Orange, A. S. *See* Brace, W. F.
- ORDWAY, F. I., III. *See* McGOWAN, R. A.
- Organic chemistry, B. PAVLOV and A. TERENTYEV, *book review* by R. C. Anderson, 406
- Organic foundations of animal behavior, J. ALTMAN, *book review* by W. C. Stanley, 1629
- Orgel, L. E. *See* Sanchez, R., *et al.*
- Origin of cultivated plants, F. SCHWANITZ, *book review* by D. J. Rogers, 1514
- Origins of field theory, The, L. P. WILLIAMS, *book review* by B. S. Finn, 1093
- Ornstein, L. *See* Roderick, W. R.
- Oró, J., and J. Han: High-temperature synthesis of aromatic hydrocarbons from methane, 1393
- Ortleb, E. *See* Sexton, O. J., *et al.*
- Orton, C. *See* Boyer, S. H., *et al.*
- Osborne, R. H.: The new Soviet genetics (*letter*), 1194
- Our deep and wide ocean (*meeting report*), R. S. Dietz, 1423
- Othersen, H. B. *See* Monaco, A. P., *et al.*
- Ottermann, J., and F. E. Bronner: Martian wave of darkening: a frost phenomenon?, 56
- Owens, G. *See* Woldring, S., *et al.*
- Oxygen as a primary species in radiolysis of water, M. Daniels and E. Wigg, 1533
- Oxygen fugacities directly measured in magmatic gases, M. Sato and T. L. Wright, 1103
- Oxygen isotope studies of Ivory Coast tektites and impactite glass from the Bosumtwi Crater, Ghana, H. P. Taylor, Jr., and S. Epstein, 173
- Ozone and sulfur dioxide synergism: injury to tobacco plants, H. A. Menser and H. E. Heggstad, 424
- Ozone dose and plant injury, F. D. H. Macdowall *et al.*, 1552
- P
- Pace, N. R., and S. Spiegelman: In vitro synthesis of an infectious mutant RNA with a normal RNA replicase, 64
- Pacemaker synchronization, C. E. Anagnostopoulos *et al.*, 1636
- PADDOCK, J. (Ed.), Ancient Oaxaca: discoveries in Mexican archeology and history, *book review* of, 1370
- Page, I. H. (*editorial*): Medical ethics, 371; *See also* Masson, G. M. C., *et al.*; Taborsky, R. G., *et al.*
- Page, T.: *book review* of Explorer of the universe, 966
- PALEY, H., and P. M. WEICHSEL, A first course in abstract algebra, *book review* of, 1233
- Pan, Y. K.: *book review* of Gaussian quadrature formulas, 1515
- Pancreatic carboxypeptidases: activities in zinc-deficient rats, J. M. Hsu *et al.*, 882
- Pany, F. G. *See* Tackett, S. L., *et al.*
- Paoletti, R. *See* Kritchewsky, D.
- Parmenter, R. *See* Lampert, M. A., *et al.*
- Parnall, E. *See* Friedman, J., *et al.*
- Parry, J. H.: *book review* of History of the Indian Ocean, 287
- Parsons, C., and K. P. Porter: Muscle relaxation: evidence for an intrafibrillar restoring force in vertebrate striated muscles, 426
- Parsons, S. O.: Human Factors Society (*Association Affairs*), 1679
- Pascasio, F. *See* Boyer, S. H., *et al.*
- Pastan, I. *See* Jakoby, W. B., *et al.*
- Pate, J. B. *See* Lodge, J. P., Jr.
- PATRICK, R., and C. W. REIMER, The diatoms of the United States exclusive of Alaska and Hawaii, *book review* of, 1369
- PAVLOV, B., and TERENTYEV, A., Organic chemistry, *book review* of, 406
- Payne, W. H. *See* Ohno, S., *et al.*
- Peafowl lactate dehydrogenase: problem of isoenzyme identification, R. G. Rose and A. C. Wilson, 1411
- Peasants, E. R. WOLF, *book review* by E. Friedl, 625
- Pediatric outpatient department (*meeting report*), R. W. Olmsted, 1026
- Pellegrino, E. D.: *book review* of Community health: its needs and resources, 163
- PENICK, J. L., JR., *et al.* (Eds.), The politics of American science, 1939 to the present, *book review* of, 1229
- Peoples, J. A., and A. E. Ford: Freight trains (*letters*), 480
- PERISTIAN, J. G., Honour and shame: the value of Mediterranean society, *book review* of, 164
- Peroxidase and resistance to ceratocystis in sweet potato increased by volatile materials, B. Clare *et al.*, 62
- PERPILLOU, A. V., Human geography, *book review* of, 402
- Perry, E. C., Jr., and B. Bonnicksen: Quartz and magnetite: oxygen-18-oxygen-16 fractionation in metamorphosed Biwabik iron formation, 528
- Perry, N. W.: Signal versus noise in the evoked potential, 1022
- Perry, R. P.: Nucleolus: structure and function (*meeting report*), 214
- Peterson, D. L. *See* Sherry, H. S., *et al.*
- Peterson, R. P.: Cell size and rate of protein synthesis in ventral horn neurons, 1413
- Phénomènes d'absorption et de diffusion dans l'atmosphère, E. VASSY, *book review* by D. M. Hunten, 733
- Phillips, R. W.: *book review* of Introduction to agricultural botany in India, 854
- Phinney, B. O. *See* Spector, C.
- Phosphorylase kinase of the liver: deficiency in a girl with increased hepatic glycogen, G. Hug *et al.*, 1534
- Phyletic position of tree shrews, M. Goodman, 1550
- Phylogeny and ontogeny of behavior, The, B. F. Skinner, 1205
- Pilcher, K. S. *See* Craig, J. M.
- Pincus, G.: Control of conception by hormonal steroids, 493
- PINKERTON, J. H. M. (Ed.), Advances in oxytocin research, *book review* of, 968
- Pinney, E. J.: *book review* of Mathematics for science, 52
- PITCHER, W. S., and G. W. FINN (Eds.), Controls of metamorphism, *book review* of, 162
- Pivik, T., and D. Foulkes: "Dream deprivation": effects on dream content, 1282
- Plasma kinins and cortisol: a possible explanation of the anti-inflammatory action of cortisol: M. J. Cline and K. L. Melmon, 1135
- Plasma replacement for in vitro culture of *Plasmodium knowlesi*, Q. M. Geiman *et al.*, 1129
- Plasmodesmata between hyphal cells of *Geotrichum candidum*, B. T. Kirk and J. B. Sinclair, 1646
- Plasmodium vivax* transmitted from man to monkey to man, M. D. Young *et al.*, 1006
- Plea for clarity, A (*letter*), P. I. Richards, 1468
- Plotnikoff, N. *See* Bowman, R.
- Plummer, W. T., and R. L. Wildey: Hot shadows on Jupiter, 1418
- Political realities and educational needs (*editorial*), P. H. Abelson, 819
- Politics of American science, The, 1939 to the present, J. L. PENICK, JR., *et al.* (Eds.), *book review* by B. C. Denny, 1229
- Politics of research, The, R. J. BARBER, *book review* by B. C. Denny, 1229
- Polymer handbook, J. BRANDRUP and E. H. IMMERGUT (Eds.), *book review* by G. M. Kline, 1372
- Polymorphism of shock loaded Fe-Mn and Fe-Ni alloys, T. R. Lorre *et al.*, 1277
- Polysomes and protein synthesis in cells infected with a DNA virus, R. J. Sydiskis and B. Roizman, 76
- Polysomes extracted from *Escherichia coli* by freeze-thaw-lysozyme lysis, E. Z. Ron *et al.*, 1119
- Polyteny: a source of cryptic speciation among copepods, I. A. McLaren *et al.*, 1641
- Porotic hyperostosis, anemias, malaras, and marshes in the prehistoric eastern Mediterranean, J. L. Angel, 760
- Porter, J. A., Jr. *See* Young, M. D., *et al.*
- Porter, K. R. *See* Parsons, C.
- PORTERFIELD, J. D., Community health: its needs and resources, *book review* of, 163
- Posner, A. S. *See* Termine, J. D.
- Potassium: rubidium ratio in ultramafic rocks: differentiation history of the upper mantle, A. M. Stueber and V. R. Murthy, 740
- Potential freshwater reservoir in the New York area, R. D. Gerard, 870
- Potter, V. R.: Molecular biology and the nature of man (*letter*), 121
- Poulter, T. C. *See* Odend'hal, S.
- Powell, J. L., and S. E. DeLong: Isotopic composition of strontium in volcanic rocks from Oahu, 1239
- Praslička, M. *See* Chlebovský, O., *et al.*
- Pratt, Y. T. *See* Eck, R. V., *et al.*
- Precambrian mollusc-like fossils from Inyo County, California, M. E. Taylor, 198
- Predoehl, M. L.: Antarctic pack ice: boundaries established from Nimbus I pictures, 861
- Preferential mating versus mimicry: disruptive selection and sex-limited dimorphism in *Papilio glaucus*, J. M. Burns, 551
- Preschool education (*editorial*), L. N. Morrisett, 1197
- PRESCOTT, J. R. V., The geography of frontiers and boundaries, *book review* of, 624

- Pressman, D. *See* Moore, G. E., *et al.*
See also Roholt, O. A.
 Pressure on basic research (*editorial*), P. H. Abelson, 11
 Pressure regulation in the middle ear cavity of sea lions: a possible mechanism, S. Odend'hal and T. C. Poulter, 768
 PRESTON, R. D. (Ed.), *Advances in botanical research*, vol. 2, *book review of*, 1632
 PRÉVOT, A., *Manual for the classification and determination of the anaerobic bacteria*, *book review of*, 1517
 Price, C. A. *See* Mendiola, L. R., *et al.*
 Price, E. W. *See* Fischer, J. L.
 Probing the ocean (*meeting report*), R. H. Charlier, 1421
 Protein and nucleic acid synthesis in *Escherichia coli*: pressure and temperature effects, J. V. Landau, 1273
 Protein conformations in biological membranes, J. L. Kavanau *et al.*, 213
 Protest of innocence, A (*letter*), W. Hines, 692
 Protozoology, R. R. KUDO, *book review by* J. Janovy, Jr., 1090
 Psychiatry and public affairs, *book review by* L. Linn, 1368
 Psychology of science, The: a reconnaissance, A. H. MASLOW, *book review by* M. B. Smith, 284
 Psychology of sleep, The, D. FOULKES, *book review by* D. R. Goodenough, 854
 Pulmonary arterial vasculature in neonatal hyaline membrane disease, J. M. Lauweryns, 1275
 PURSELL, C. W., JR., *See* PENICK, J. L., JR., *et al.*
 Pygmy stars: first pair, F. Zwicky, 53

Q

- Quaide, W. L. *See* Gualt, D. E., *et al.*
 Qualitative versus directional cues in two forms of differentiation, C. Dobrzecka *et al.*, 87
 Quality versus quantity in American medical education, G. Williams, 956
 Quarks defined (*letter*), W. Ley, 368
 Quartz and magnetite: oxygen-18-oxygen-16 fractionation in metamorphosed Biwabik iron formation, E. C. Perry, Jr., and B. Bonnicksen, 528

R

- Radiation absorption between the ultraviolet and x-ray bands, U. Fano, 522
 Radio sources: angular size from scintillation studies, M. H. Cohen *et al.*, 745
 Radioautographic and electron-microscopic evidence of rapid uptake of antigen by lymphocytes, S. S. Han and A. G. Johnson, 176
 Radiocarbon content of marine shells from the California and Mexican West coast, R. Berger *et al.*, 864
 Radiocarbon dating of coastal peat, Barrow, Alaska, J. Brown and P. V. Sellman, 299
 Rainey, F., and E. K. Ralph: *Archeology and its new technology*, 1481
 Rajasalmi, M. *See* Lindy, S.
 Rall, J. E. *See* Jakoby, W. B., *et al.*
 Ralph, E. K. *See* Rainey, F.
 Ramberg, E. G. *See* Lampert, M. A., *et al.*
 Ramsay, J. N. *See* Eglinton, G., *et al.*
 Rao, M. N., *et al.*: Mass-yield distribution of the fission products in fallout from the 14 May 1965 nuclear explosion, 633
 Rare earths in Hawaiian basalts, J.-G. Schilling and J. W. Winchester, 867
 RAND Corporation, The. B. L. R. SMITH, *book review by* D. Z. Robinson, 857

- Rapoport, M. I., *et al.*: Circadian rhythm for tryptophan pyrrolase activity and its circulating substrate, 1642
 RASETTI, F., Upper Cambrian trilobite faunas of northeastern Tennessee, *book review of*, 286
 Rat mammary gland RNA: incorporation of C^{14} -formate and effect of hormones and 7,12-dimethylbenz[a]anthracene, P. R. Libby and T. L. Dao, 303
 Rate of protein synthesis: regulation during first division cycle of sea urchin eggs, W. H. Sofer *et al.*, 1644
 RAW, G. *See* YOUNGRAU, W., *et al.*
 Ray, M. L., and E. J. Webb: Speech duration effects in the Kennedy news conferences, 899
 Ray, P. M.: *book review of* *Advances in botanical research*, vol. 2, 1632
 Raymond, S.: Additional safety measures for electrophoresis power supplies (*letter*), 1336
 ——— and J. Broome: Electrochromatography with reversing electrophoretic field, 1381
 Reactions to nuclear reactors (*letter*), S. Novick, 1194
 Recent advances in the chemistry of natural products, R. B. Woodward, 487
 Red cells and rouleaux in shear flow, H. L. Goldsmith, 1406
 Reflections on research and the future of medicine (*meeting report*), T. L. Campbell, 442
 Regeneration in animals and related problems, V. KIORTSIS and H. A. L. TRAMPUSCH (Eds.), *book review by* A. L. Burnett, 49
 Reger, R.: Academic freedom for students (*letter*), 249
 Rehm, T. R. *See* McGrew, J. L., *et al.*
 REIMER, C. W. *See* PATRICK, R.
 Reiser, R.: *book review of* *Handbook of physiology*, 516
 Reiser, S. J. *See* Mendelsohn, E., *et al.*
 Reisman, A.: High education: a population flow feedback model, 89
 Relativistic quantum field theory, J. Schwinger, 949
 Remarks on nuclear structure, A. de-Shalit, 1063
 RENOLD, A. E., and G. F. CAHILL, JR. (Eds.), *Handbook of physiology*, *book review of*, 516
 Report from Europe: CERN and Serpukhov prepare for collaboration, 622; East-West exchanges of technology increase rapidly, 156; Franco-Russian collaboration in science: De Gaulle's visit, 43; Kapitza's visit to England, 725; Oceanography in Britain: significant new support, 727; Pasteur Institute rebels lose a round, 1226; Research and industry in Czechoslovakia, 620; Technology in Britain: new moves, 619; Too much silence on the potentials of biology?, 283; Total synthesis of insulin in Red China, 281; United States looks at Swedish shipbuilding technology, 850; What the French president saw: a Gallic view of Novosibirsk, 45
 Reprints: the situation abroad (*letters*), I. Salasoo and F. C. Greenwood, 1469
 Research in the prehistory of central western Iran, T. C. Young, Jr., and P. E. L. Smith, 386
 Retrograde amnesia: effects of handling and microwave radiation, R. N. Bryan, 897
 Retrograde melting in the system Mg-Fe-Si-O, P. Toulmin, III, *et al.*, 1674
 Richards, P. I.: A plea for clarity (*letter*), 1468
 Riccio, D. C., *et al.*: Stimulus control in pigeons bases on proprioceptive stimuli from floor inclination, 434
 RICHARDSON, S. D., *Forestry in Communist China*, *book review of*, 967
 Riecker, R. E. *See* Sclar, C. B., *et al.*
 RILEY, J. P., and G. SKIRROW (Eds.), *Chemical oceanography*, *book review of*, 856
 Riley, V.: Spontaneous mammary tumors: decrease of incidence in mice infected with an enzyme-elevating virus, 1657
 Rise of the technocrats, The: a social history, W. H. G. ARMYTAGE, *book review by* C. W. Condit, 1231
 Ristedt, H. *See* Eichler, R.
 RNA composition and base pairing, W. Traub and D. Elson, 178
 Roberts, M. S. *See* Terry, W. D.
 Roberts, W. O.: Father of the world weather watch (*letter*), 575
 Robertson, W. v. B. *See* Schafer, I. A., *et al.*
 Robinson, D. Z.: *book review of* *The RAND Corporation*, 857
 ROBINSON, E. A. G., and J. E. VAIZEY (Eds.), *The economics of education*, *book review of*, 47
 Robinson, R. O. *See* Brown, G. W., Jr., *et al.*
 Rodberg, L. S.: *book review of* *Arms and influence*, 623
 Roderick, W. R., and L. Ornstein: Expedient referral service (*letters*), 1193
 Rodriguez, A. *See* del Castillo, J., *et al.*
 Roe, A.: *book review of* *Life styles of educated women*, 965
 Roeder, K. D.: A differential anemometer for measuring the turning tendency of insects in stationary flight, 1634
 Rogers, D. J.: *book review of* *The origin of cultivated plants*, 1514
 Roholt, O. A., and D. Pressman, *Antibody molecules: discontinuous heterogeneity of heavy chains*, 1257
 Roizman, B. *See* Sydiskis, R. J.
 Romero, C. A. *See* del Castillo, J., *et al.*
 Ron, E. Z., *et al.*: Polysomes extracted from *Escherichia coli* by freeze-thaw-lysozyme lysis, 1119
 Rooney, T. P. *See* Sclar, C. B., *et al.*
 Rose, A. *See* Lampert, M. A., *et al.*
 Rose, R. G., and A. C. Wilson: Peafowl lactate dehydrogenase: problem of isoenzyme identification, 1411
 Rosen, F. S. *See* Apler, C. A., *et al.*
 Rosenberg, C.: *book review of* *Sword of pestilence: the New Orleans yellow fever epidemic of 1853*, 855
 Rosenblum, B. *See* Lampert, M. A., *et al.*
 Rosenfield, A. *See* Couch, J. A., *et al.*
 Rosenzweig, M. R. *See* Byrne, W. L., *et al.*
 Ross, M. H., and I. R. Long: Contractile cells in human seminiferous tubules, 1271
 Ross, R., and T. K. Greenlee, Jr.: Electron microscopy: attachment sites between connective tissue cells, 997
 Ross, S., and C. W. Shilling: Language requirements for the Ph.D. (*letter*), 1595
 Rubenstein, H.: *book review of* *Structure of associations in language and thought*, 1372
 Rubin, A. L. *See* Stenzel, K. H.
 Rubin, L. F., and P. A. Mattis: Dimethyl sulfoxide: lens changes in dogs during oral administration, 83
 Rubin, R. T., *et al.*: Corticosteroid responses to limbic stimulation in man: localization of stimulus sites, 767
 Ruchkin, D. S., and E. R. John: Evoked potential correlates of generalization, 209
 Ruppert, R. D. *See* Greenberger, N. J.
 Russell, P. S. *See* Monaco, A. P., *et al.*
 Rutman, R. J., *et al.*: Bipiperidyl mustard, a new obesifying agent in the mouse, 1000
 Rutman, R. J., and J. H. Schaefer: Science needs no diplomatic "guidance" (*letters*), 1335
 Ryder, N. R., and C. F. Westoff: Use of oral contraception in the United States, 1965, 1199

S

- Sabesin, S. M.: Antigen-RNA complexes, 659
- SABSHIN, M. *See* OFFER, D.
- Sabu, D. D. *See* Rao, M. N., *et al.*
- Safety: a parallel (*letter*), C. Eisenhart, 122
- Salasoo, I., and F. C. Greenwood: Reprints: the situation abroad (*letters*), 1469
- Salpeter, E. E. *See* Cohen, M. H., *et al.*
- Samuel, D. *See* Byrne, W. L., *et al.*
- Sanchez, R., *et al.*: Conditions for purine synthesis: did prebiotic synthesis occur at low temperatures?, 72
- Sanchez, V. *See* del Castillo, J., *et al.*
- Sarcione, E. J., and A. E. Bogden: Hepatic synthesis of alpha₂(acute phase)-globulin of rat plasma, 547
- Satellite deoxyribonucleic acid from *Bacillus cereus* strain T, H. A. Douthit and H. O. Halvorson, 182
- Sato, M., and T. L. Wright: Oxygen fugacities directly measured in magmatic gases, 1103
- Sawin, P. B. *See* Fox, R. R., *et al.*
- Saxén, L.: Drug-induced teratogenesis in vitro: inhibition of calcification by different tetracyclines, 1384
- Scaling of musical preferences by the mentally retarded, S. D. Koh and T. H. Koh, 432
- Scanlan, D. E. *See* Hsu, J. M., *et al.*
- Scanu, A.: Serum high-density lipoprotein: effect of change in structure on activity of chicken adipose tissue lipase, 640
- Schaefer, J. H. *See* Rutman, R. J.
- Schafer, I. A., *et al.*: Vitamin C-induced increase of dermatan sulfate in cultured Hurler's fibroblasts, 1008
- SCHELLING, T. C., Arms and influence, *book review of*, 623
- Schiller, P. H. *See* Byrne, W. L., *et al.*
- Schiller, P. H., and S. L. Chorover: Metacortact: its relation to evoked potentials, 1398
- Schilling, J.-G., and J. W. Winchester: Rare earths in Hawaiian basalts, 867
- Schlessinger, D. *See* Mangiarotti, G., *et al.*
- Schmidt, R. A. M., and P. V. Sellmann: Mummified Pleistocene ostracods in Alaska, 167
- Schmitt, R. A., *et al.*: Chainpur-like chondrites: primitive precursors of ordinary chondrites?, 644
- SCHMOOKLER, J., Invention and economic growth, *book review of*, 1367
- Schnell, J. V. *See* Geiman, Q. M., *et al.*
- Schnitzer, M., and H. Kodama: Montmorillonite: effect of pH on its absorption of a soil humic compound, 70
- Schoenborn, B. P. *See* Sherry, H. S., *et al.*
- Scholl, D. W., *et al.*: Exposure of basement rock on the continental slope of the Bering Sea, 992
- SCHRAMM, W., Chemistry and biology laboratories: design, construction, equipment, *book review of*, 162
- Schubert, W. K. *See* Hug, G., *et al.*
- Schultz, S. G. *See* Chez, R. A., *et al.*
- Schumacher, G. F. B.: Acute phase protein in serum of women using hormonal contraceptives, 901
- SCHWANITZ, F., The origin of cultivated plants, *book review of*, 1514
- Schwinger, J.: Relativistic quantum field theory, 949
- Science and medicine in central Africa, G. J. SNOWBALL (Ed.), *book review by* N. R. E. Fendall, 160
- Science, and the scientific community (*editorial*), P. H. Abelson, 1473
- Science and the university, B. R. KEENAN (Ed.), *book review by* J. D. Millett, 519
- Science in Hungary, T. ERDEY-GRUZ and I. TRENCSENYI-WALDAPFEL (Eds.), *book review by* Z. Tar, 51
- Science needs no diplomatic "guidance" (*letters*), R. J. Rutman and J. H. Schaefer, 1335
- Scientific and engineering manpower in Communist China, 1949-1963, C. CHENG, *book review by* S. Dedijer, 852
- Scientific exchange with the U.S.S.R. (*letter*), L. C. Mitchell, 483
- Sclar, C. B., *et al.*: High-pressure reactions and shear strength of serpentinized dunite, 1285
- Scott, R. F. *See* Jaffe, L. D.
- Seaman, E. *See* Levine, L., *et al.*
- Segal, S. *See* Cuatrecasas, P.
- Sehlemann, V. R. *See* Fjeldbo, G., *et al.*
- Selection of sucrose-dependent *Escherichia coli* to obtain envelope mutants and fragile cultures, G. Mangiarotti *et al.*, 892
- Sell, S.: Immunoglobulin M allotypes of the rabbit: identification of a second specificity, 641
- Sellman, P. V. *See* Brown, J. *See also* Schmidt, R. A. M.
- Semiconductor detector, T. Hall, *et al.*, 320
- Semiconductor surfaces, A. MANY *et al.*, *book review by* V. Heine, 1371
- Senderoff, S., and G. W. Mellors: Coherent coatings of refractory metals, 1475
- Separation of gases by zeolites, H. S. Sherry *et al.*, 555
- Serum high-density lipoprotein: effect of change in structure on activity of chicken adipose tissue lipase, A. Scanu, 640
- Seshan, K. R., and P. I. Ittycheriah: *Iphita limbata* Stal.: components of neurosecretory material, 427
- Setlow, R. B.: Cyclobutane-type pyrimidine dimers in polynucleotides, 379
- Severe impairment of heat-induced saliva-spreading in rats recovered from lateral hypothalamic lesions, F. R. Hainsworth and A. N. Epstein, 1255
- "Sex-ratio" condition: unusual mechanisms in bark beetles, G. N. Lanier and J. H. Oliver, Jr., 208
- Sexton, O. J., *et al.*: *Anolis carolinensis*: effects of feeding on reaction of aposomatic prey, 1140
- Sexual behavior in the male rat, F. A. Beach and R. D. Lisk, 769
- Shalit, S.: That biblical spider: the end of the series (*letter*), 1059
- Shallow structure of the straits of Florida, E. Uchupi, 529
- Sharp, L. E. *See* Cohen, M. H., *et al.*
- Shaw, C. R.: Glucose-6-phosphate dehydrogenase: homologous molecules in deer mouse and man, 1013
- Shea, J. R., Jr., *See* McLaren, I. A., *et al.*
- Shefter, E., and O. Kennard: Crystal and molecular structure of acetylselenocholine iodide, 1389
- Sherry, H. S., *et al.*: Separation of gases by zeolites, 555
- SHERWOOD, M. B. *See* PENICK, J. L., JR., *et al.*
- Shilling, C. W. *See* Ross, S.
- SHKLOVSKII, I., Intelligent life in the universe, *book review of*, 1628
- Shock metamorphism of natural materials (*meeting report*), B. M. French, 903
- Siddiqui, W. A. *See* Geiman, Q. M., *et al.*
- Siegel, E., and C. A. Tobias: End-organ effects of thyroid hormones: subcellular interactions in cultured cells, 763
- Signal versus noise in the evoked potential, N. W. Perry, 1022
- Simmons, R. L. *See* Monaco, A. P., *et al.*
- Simon, H. A.: Computer-time allocation (*letter*), 122
- Simplifying the formula (*letter*), I. Adler, 936
- Simpson, L.: Toxic impurities in Nalgene filter units, 548
- Simultaneous changes in visual separation threshold and voltage of cortical alpha rhythm, J. Anliker, 316
- Sinclair, J. B. *See* Kirk, B. T.
- SINGER, J., Daydreaming, *book review of*, 626
- Singer, L. *See* Johnson, A. R., *et al.*
- Singer, S. J., and R. F. Doolittle: Antibody active sites and immunoglobulin molecules, 13
- Single cells, coconut milk, and embryogenesis in vitro, W. Halperin, 1287
- Sivin, N.: *book review of* T'ien-Kung K'ai-Wu. Chinese technology in the seventeenth century, 730
- Size and cycle, J. T. BONNER, *book review by* C. T. Wemyss, 165
- Skinner, B. F.: The phylogeny and ontogeny of behavior, 1205
- SKIRROW, G. *See* RILEY, J. P.
- Slamecka, V.: Teaching machines (*meeting report*), 1289
- Slatyer, R. O. *See* Jarvis, P. G.
- Sleep, G. G. LUCE and J. SEGAL, *book review by* D. R. Goodenough, 854
- Sleep deprivation and brain acetylcholine, M. B. Bowers, Jr., *et al.*, 1416
- Sleep deprivation in the rat, R. A. Levitt, 85
- Sloanaker, R. M. *See* Bologna, J. M., *et al.*
- Smith, A., and C. W. Burkland: Dominant hemispherectomy: preliminary report on neuropsychological sequelae, Smith, A. G. *See* Olsson, C. N.
- Smith, A. K. (*News and Comment*): Kalinga prize, 1627
- SMITH, B. L. R., The RAND Corporation, *book review of*, 857
- Smith, D. L., *et al.*: Mechanism for intercalation of kaolinite by alkali acetates, 741
- Smith, D. R.: *book review of* Social insect populations, 161
- Smith, J. C. *See* Henton, W. W., *et al.*
- Smith, L. D. S.: *book review of* Manual for the classification and determination of the anaerobic bacteria, 1517
- Smith, M. B.: *book review of* The psychology of science: a reconnaissance, 284
- Smith, P. E. L. *See* Young, T. C., Jr.
- Smith, R. H. *See* Schmitt, R. A., *et al.*
- SMITH, R. L., Ecology and field biology, *book review of*, 1234
- SMITH, S. E., JR., Explorations in elementary mathematics, *book review of*, 49
- SNOWBALL, G. J. (Ed.), Science and medicine in central Africa, *book review of*, 160
- Sobel, J. S.: DNA synthesis and differentiation in embryonic kidney mesenchyme in vitro, 1387
- Social insect populations, M. V. BRIAN, *book review by* D. R. Smith, 161
- Sofer, W. H., *et al.*: Rate of protein synthesis: regulation during first division cycle of urchin eggs, 1644
- Solar radio astronomy, M. R. KUNDU, *book review by* A. E. Covington, 163
- Solbrig, O. T.: *book review of* About plants: topics in plant biology, 855
- Some doubts and the earth's dust cloud, C. Nilsson, 1242
- Sophistication, old and new (*letter*), R. I. Wolfe, 250
- Soter, S. L.: Mercury: infrared evidence for nonsynchronous rotation, 1112
- Source of indole alkaloids, The, W. I. Taylor, 954
- Source of lead-210 and polonium-210 in tobacco, T. C. Tso *et al.*, 880
- Southwick, W. *See* Ascione, R., *et al.*
- Spangle, P. F. *See* Edgerton, H. E., *et al.*
- Spector, C., and B. O. Phinney: Gibberellin production: genetic control in the fungus *Gibberella fujikuroi*, 1397

- Spectrum and distance of source Sco XR-1, H. Friedman *et al.*, 1527
- Speech duration effects in the Kennedy news conferences, M. L. Ray and E. J. Webb, 899
- Speleology (*meeting report*), R. L. Curl and J. A. Stellmack, 559
- Spetz, M.: Allergies: ecological approach (*meeting report*), 903
- Speidel, D. H. *See* Toulmin, P., III, *et al.*
- Spermatophore web formation in a pseudoscorpion, P. Weygoldt, 1647
- Spiegelman, S. *See* Pace, N. R.
- Spin label studies in *Chlamydomonas*, E. C. Weaver and H. P. Chon, 301
- SPIVAK, M.: Calculus on manifolds, *book review of*, 164
- Spontaneous mammary tumors: decrease of incidence in mice infected with an enzyme-elevating virus, V. Riley, 1657
- Sporulation of *Minchinia nelsoni* (Haplosporidia, Haplosporidiidae): in *Crassostrea virginica* (gmelin), J. A. Couch *et al.*, 1529
- Sprague, J. M.: Interaction of cortex and superior colliculus in mediation of visually guided behavior in the cat, 1544
- Spuhler, J. M.: Human population genetics (*meeting report*), 660
- Stable federal support (*editorial*), D. Wolfe, 125
- Stahmann, M. A. *See* Clare, B., *et al.*
- Staley, E.: *book review of* Economic and social aspects of educational planning, The economics of education, Education and economic development, 47
- Stallberg-Stenhagen, S. *See* Eglinton, G., *et al.*
- Stanley, W. C.: *book review of* Organic foundations of animal behavior, 1629
- Stauber, L. A. *See* Haskin, H. H., *et al.*
- Stebbins, W. C., *et al.*: Auditory sensitivity of the monkey, 1646
- Stravropoulos, A. *See* Kaltsoya, A., *et al.*
- Steffens, G. L. *See* Cathey, H. M., *et al.*
- Steffey, P. C. *See* Stephenson, C. B.
- Stein, E. *See* Jacobson, H. K.
- Stein, L. *See* Byrne, W. L., *et al.*
- Stellmack, J. A. *See* Curl, R. L.
- Stenzel, K. H., and A. L. Rubin: Biosynthesis of gamma globulin: studies in a cell-free system, 537
- Stephenson, C. B., and P. C. Steffey: Clearer views for astronomy (*letters*), 934
- Sternber, S.: High-speed scanning in human memory, 652
- Stevenson, I.: New channels for grants (*letter*), 816
- STEWART, F. C., *et al.*: About plants: topics in plant biology, *book review of*, 855
- Steward, J. H.: *book review of* The evolution of urban societies: early Mesopotamia and prehispanic Mexico, 729
- Stewart, C. M.: Excretion and heartwood formation in living trees, 1068
- Stibitz, G. R.: The first computers (*letter*), 814
- Stibnite (Sb₂S₃) solubility in sodium sulfide solutions, R. H. Arntson *et al.*, 1673
- Stick-slip as a mechanism for earthquakes, W. F. Brace and J. D. Byerlee, 990
- Stimulus control in pigeons based on proprioceptive stimuli from floor inclination, D. C. Riccio *et al.*, 434
- Stirling, M. W.: *book review of* Ancient Oaxaca: discoveries in Mexican archeology and history, 1370
- Stokes parameters for 1665-megacycles-per-second emission from OH near source W3, M. L. Meeks *et al.*, 978
- Stone, W. N. *See* Gottschalk, L. A., *et al.*
- Strange, W. E. *See* Malahoff, A., *et al.*
- Strens, R. G. J. *See* Burns, R. G.
- Strontium incorporation into dental enamel, A. R. Johnson *et al.*, 1396
- Strontium isotopes in deep-sea sediments, E. J. Dasch *et al.*, 295
- STROUD, A. H., and D. SECREST, Gaussian quadrature formulas, *book review of*, 1515
- Structure of associations in language and thought, J. DEESE, *book review by* H. Rubenstein, 1372
- Structure of biological membranes, E. D. Korn, 1491
- Structure of cell membranes at the molecular level (*meeting report*), D. T. Warner, 324
- Stuart, N. W. *See* Cathey, H. M., *et al.*
- Studies in plant chemistry, including chemical taxonomy, ontogeny, phylogeny, etc., J. B. MCNAIR, *book review by* R. D. Gibbs, 518
- Stueber, A. M., and V. R. Murthy: Potassium:rubidium ratio in ultramafic rocks: differentiation history of the upper mantle, 740
- Subclasses of human immunoglobulin A based on differences in the alpha polypeptide chains, J.-P. Vaerman and J. F. Heremans, 647
- Submarine lithification of carbonate sediment, J. D. Milliman, 994
- Sullivan, J. C. *See* Schafer, I. A., *et al.*
- Sulzberger, M. B., *et al.*: Dimethyl sulfoxide conference (*letters*), 576
- SUNG YING-HSING, T'ien-Kung K'ai-Wu. Chinese technology in the seventeenth century, *book review of*, 730
- Supernova remnant W-44: observations at 8350 megacycles per second, J. P. Hollinger and R. W. Hobbs, 1633
- Supply and competition in minor metals, D. B. BROOKS, *book review by* F. C. Kruger, 1631
- Surface area of human erythrocyte lipids: reinvestigation of experiments on plasma membrane, R. S. Bar *et al.*, 1010
- Surveyor I location, E. A. Whitaker, 1550
- Susceptibility of human diploid fibroblast strains to transformation by SV40 virus, G. J. Todaro *et al.*, 1252
- Svejar, J. *See* Schafer, I. A., *et al.*
- SWAIN, D. C. *See* PENICK, J. L., JR., *et al.*
- Swazey, J. P. *See* Mendelsohn, E., *et al.*
- Swift, M. R. *See* Todaro, G. J., *et al.*
- Sword of pestilence: the New Orleans yellow fever epidemic of 1853, J. DUFFY, *book review by* C. Rosenberg, 855
- Sydiskis, R. J., and B. Roizman: Polysomes and protein synthesis in cells infected with a DNA virus, 76
- Symbolic logic and the real number system: an introduction to the foundations of number systems, A. H. LIGHTSTONE, *book review by* G. C. Webber, 519
- Synapses of horizontal cells in rabbit and cat retinas, J. E. Dowling *et al.*, 1639
- Synthetic detergents: their influence upon iron-binding complexes of natural waters, F. Kent and F. F. Hooper, 526
- SZIRMAL, E.: Nuclear hematology, *book review of*, 404
- Szwejkowska, G. *See* Dobrzecka, C., *et al.*
- Taxonomic status of tree shrews, C. B. G. Campbell, 436
- Taylor, B. C. *See* Barrow, J. H., Jr.
- Taylor, C. E.: Ethics for an international health profession, 716
- Taylor, H. P., Jr., and S. Epstein: Oxygen isotope studies of Ivory Coast tektites and impactite glass from the Bosumtwi Crater, Ghana, 173
- Taylor, M. E.: Precambrian mollusc-like fossils from Inyo County, California, 198
- Taylor, R. E. *See* Berger, R., *et al.*
- Taylor, R. L.: Eighth Washington meeting (*Association Affairs*), 437
- Taylor, W. I.: The source of indole alkaloids, 954
- Teaching machines (*meeting report*), V. Slamecka, 1289
- Tensor calculus through differential geometry, J. ABRAM, *book review by* H. Levy, 1234
- TERENTYEV, A. *See* PAVLOV, B.
- Termine, J. D., and A. S. Posner: Infra-red analysis of rat bone: age dependency of amorphous and crystalline mineral fractions, 1523
- Terminology of cell-water relations, P. J. Kramer *et al.*, 889
- Terrell, E. E.: *book review of* The growth of cereals and grasses, 285
- Terry, W. D., and M. S. Roberts: Antigenic heterogeneity of human immunoglobulin A proteins, 1007
- Tetrodotoxin does not block excitation from inside the nerve membrane, T. Narahashi *et al.*, 765
- Tewari, K. K., and S. G. Wildman: Chloroplast DNA from tobacco leaves, 1269
- Thach, R. E., *et al.*: Formylmethionine codon AUG as an initiator of polypeptide synthesis, 416
- That biblical spider: the end of the series (*letter*), S. Shalit, 1059
- Thermal conductivity effect of carrier gases on flame-ionization detector sensitivity, R. L. Hoffmann and C. D. Evans, 172
- Thermal recrystallization of precipitated zinc sulfide, L. J. Bodi and C. F. Tufts, 872
- Thermodynamic equilibrium and the inorganic origin of organic compounds, R. V. Eck *et al.*, 628
- Thimann, K. V. *See* Chen, S. S. C.
- Thimann, K. V., and R. W. Krauss: The AIBS: crisis in retrospect, and the outlook, 507
- Thomas, D. R. *See* Riccio, D. C., *et al.*
- Thomas, W. N. *See* Brown, G. W., Jr., *et al.*
- Thompson, A. L. *See* Brown, G. W., Jr., *et al.*
- Thomason, R. H.: *book review of* Mind, matter, and method: essays in philosophy and science in honor of Herbert Feigl, 1092
- Thompson, M. E.: Magnesium in sea water: an electrode measurement, 866
- Thomson, K. S.: Intracranial mobility in the coelacanth, 999
- Thornbury, W. D.: *book review of* Essays in geomorphology, 969
- Thorne, K. S. *See* Luyten, W. J.
- Thyroglobulin: evidence for crystallization and association, W. B. Jakoby *et al.*, 1671
- Thyroid hormone: effects on electron transport, J. R. Bronk, 638
- T'ien-Kung K'ai-Wu. Chinese technology in the seventeenth century, SUNG YING-HSING, *book review by* N. Sivin, 730
- Tilles, D.: Implantation in interplanetary dust of rare-gas ions from solar flares, 981
- Time-dependent processes in memory storage, J. L. McGaugh, 1351
- Tissue transplantation: scope and prospect, R. E. Billingham, 266

T

- Taborsky, R. G., *et al.*: 6-Hydroxylation: effect on the psychotropic potency of tryptamines, 1018
- Tackett, S. L., *et al.*: Electrolytic dissolution of iron meteorites, 877
- Takemoto, K. K., *et al.*: Heat-labile serum factor required for immunofluorescence of polyoma tumor antigens, 1122
- Tar, Z.: *book review of* Science in Hungary, 51
- Tatsumoto, M.: Genetic relations of oceanic basalts as indicated by lead isotopes, 1094
- Tavolga, W. N.: Marine bioacoustics (*meeting report*), 771
- TAYLOR, E. G. R.: The mathematical practitioners of Hanoverian England, 1714—1840, *book review of*, 1630

- Tobias, C. A. *See* Siegel, E.
Todaró, G. J., *et al.*: Susceptibility of human diploid fibroblast strains to transformation by SV40 virus, 1252
Tolson, R. H. *See* Michael, W. H., Jr., *et al.*
Toulmin, P., III, *et al.*: Retrograde melting in the system Mg-Fe-Si-O, 1674
TOUSSAINT, A., History of the Indian Ocean, *book review of*, 287
Towe, A. L. *See* Adkins, R. J., *et al.*
Toxic impurities in Nalgene filter removed, O. Henry, 1551
Toxic impurities in Nalgene filter units, L. Simpson, 548
TRAMPUSCH, H. A. L. *See* KIORTSIS, V.
Traub, W., and D. Elson: RNA composition and base pairing, 178
Treatise of irreversible and statistical thermodynamics, W. YOUGRAU *et al.*, *book review by* G. Nicolis, 1630
TRENCSEN-YI-WALDAPFEL, I. *See* ERDEY-GRÜZ, T.
Triploid-diploid mosaic chicken embryo, S. E. Bloom and E. G. Buss, 759
Tropical oceanography (*meeting report*), F. F. Koczy, 557
Tropopause detected by radar, D. Atlas *et al.*, 1110
Tso, T. C., *et al.*: Source of lead-210 and polonium-210 in tobacco, 880
Tucker, D. *See* Henton, W. W., *et al.*
Tufts, C. F. *See* Bodi, L. J.
Tunell, G. *See* Arntson, R. H., *et al.*
Turekian, K. K. *See* Dasch, E. J., *et al.*
Turner, F. J.: *book review of* Controls of metamorphism, 162
Tuve, T.: NIH grants: new policies (*letter*), 479

U

- Uchupi, E.: Shallow structure of the straits of Florida, 529
Underdeveloped science: a cause (*letter*), L. Cahn, 249
Undersea air supply, H. P. Vind, 873
Underwater guideposts: homing of salmon, A. D. HASLER, *book review by* N. J. Wilimovsky, 405
University algebra, R. E. JOHNSON, *book review by* F. W. Anderson, 1233
Upper Cambrian trilobite faunas of northeastern Tennessee, F. RASETTI, *book review by* W. C. Bell, 286
Urda, M. *See* Riccio, D. C., *et al.*
Urea synthesis in the lungfish: relative importance of purine and ornithine cycle pathways, R. P. Foster and L. Goldstein, 1650
Urey, H. C.: "Dust" on the moon, 1419
Uricolytic enzymes in liver of the dipnoan *Protopterus aethiopicus*, G. W. Brown, Jr., *et al.*, 1653
Use of induced mutations in plant breeding, The, *book review by* W. C. Gregory, 404
Use of oral contraception in the United States, 1965, N. R. Ryder and C. F. Westoff, 1199

V

- v. Krzywoblocki, M. Z. *See* Liebman, J. C., *et al.*
Vacuum welding of olivine, P. R. Bell, 410
Vaerman, J.-P., and J. F. Heremans: Subclasses of human immunoglobulin A based on differences in the alpha polypeptide chains, 647
VAIZEY, J. E. *See* ROBINSON, E. A. G.
Van Citters, R. L. *See* Elsner, R., *et al.*
Van Cleef, E.: Which comes first: money or brains (*letter*), 1468
VAN DER MERWE, A. *See* YOUGRAU, W., *et al.*

- Van Vunakis, H. *See* Levine, L., *et al.*
Vanderslice, J. T.: *book review of* Advanced physical chemistry: molecules, structure, and spectra, 1232
Vanderwoort, P. O.: *book review of* Interstellar gas dynamics, 1093
Varon, M. L., and L. J. Cole: Hemopoietic colony-forming units in regenerating mouse liver: suppression by anticoagulants, 643
VASSY, E., Phénomènes d'absorption et de diffusion dans l'atmosphère, *book review of*, 733
Velikonja, J.: *book review of* Human geography, 402
Venis, M. A.: Hormones as allosteric effectors, 1022
VENKATESWARLU, J. *See* CHALAM, G. V.
Victim-induced criminality, M. Fooner, 1080
Vind, H. P.: Undersea air supply, 873
Virtanen, A. I.: Milk production of cows on protein-free feed, 1603
Vitamin C-induced increase of dermatan sulfate in cultured Hurler's fibroblasts, I. A. Schafer *et al.*, 1008
von Stedingk, L.-V. *See* Baltscheffsky, H., *et al.*
Vonnegut, B., and J. R. Weyer: Luminous phenomena in nocturnal tornadoes, 1213
Voynow, N. K. *See* Bach, F. H.

W

- Wagner, A. R. *See* Byrne, W. L., *et al.*
Wakimura, A. *See* Nakatani, H., *et al.*
Walker, T. R., and J. E. Kiefer: Ciliatic components in the gas phase of cigarette smoke, 1248
Walsh, J. [R.] (*News and Comment*): Bell Telephone Laboratories, 393, 720; National Institutes of Health, 149
Walsh, J. *See* Lowe, C. U., *et al.*
Walton, G. S. *See* Edgington, L. V., *et al.*
Walton, H.: *book review of* Advances in chromatography, 517
Ward, R. A. *See* Gould, D. J., *et al.*
Warfield, G. *See* Lampert, M. A., *et al.*
Warner, D. T.: Structure of cell membranes at the molecular level (*meeting report*), 324
Warnes, R. H. *See* Loree, T. R., *et al.*
Wasserburg, G. J.: ACE report: quality ratings in the academic marketplace (*letter*), 575
Wasserman, E. *See* Byrne, W. L., *et al.*
Wasson, J. T.: Butler, Missouri: an iron meteorite with extremely high germanium content, 976
Waterman, A. T.: Federal support of science, 1359
Weale, R. A.: On scientific illiterature (*letter*), 1058
Weaver, E. C., and H. P. Chon: Spin label studies in *Chlamydomonas*, 301
Webb, E. J. *See* Ray, M. L.
Webber, G. C.: *book review of* Symbolic logic and the real number system: an introduction to the foundations of number systems, 519
Weber, D. J. *See* Clare, B., *et al.*
Weber, N. A.: Fungus-growing ants, 587
WEBER, R. (Ed.), Descriptive biochemistry of animal development, *book review of*, 50
WEICHSEL, P. M. *See* PALEY, H.
Welch, B. L.: *book review of* Animal conflict and adaptation, 1514
Wells, P. V.: Late Pleistocene vegetation and degree of pluvial climatic change in the Chihuahuan Desert, 970
Wemyss, C. T.: *book review of* Size and cycle, 165
Westoff, C. F. *See* Ryder, N. R.
Weyer, J. R. *See* Vonnegut, B.
Weygoldt, P.: Spermatophore web formation in a pseudoscorpion, 1647

- Weyl, P. K.: *book review of* Chemical oceanography, 856
What ever happened to hairy man? (*letters*), C. L. Brace *et al.*, 362
Wheby, M. S.: *book review of* Nuclear hematology, 404
Which comes first: money or brains? (*letter*), E. Van Cleef, 1468
Whipple, F. L.: Chondrules: suggestion concerning the origin, 54
Whitaker, E. A.: Surveyor I location, 1550
White, C. H.: *book review of* A handbook of fluorescence spectra of aromatic molecules, Fluorescence and phosphorescence analysis: principles and applications, 1631
Whiteside, D. T.: *book review of* The mathematical practitioners of Hanoverian England, 1714-1840, 1630
Who judges the teachers? (*letters*), L. P. Lester *et al.*, 813
Wieser, W.: Copper and the role of isopods in degradation of organic matter, 67
Wigg, E., *See* Daniels, M.
Willey, R. L. *See* Plummer, W. T.
Wildman, S. G. *See* Tewari, K. K.
Wilhelm, R. C., and D. B. Ludlum: Coding properties of 7-methylguanine, 1403
Wilimovsky, N. J.: *book review of* Underwater guideposts: homing of salmon, 405
Williams, G.: Quality versus quantity in American medical education, 956
Williams, L. B.: "Bootlegging" in research (*letter*), 1596
WILLIAMS, L. P., The origins of field theory, *book review of*, 1093
Wilson, A. C. *See* Kitto, G. B. *See also* Rose, R. G.
Winchester, J. S. *See* Schilling, J.-G.
Winer, N., *et al.*: Myotonic response induced by inhibitors of cholesterol biosynthesis, 312
Winkler, G. F., and B. G. Arnason: Antiserum to immunoglobulin A: inhibition of cell-mediated demyelination in tissue culture, 75
Wittes, R. E. *See* Goldberg, A. L.
Woldring, S., *et al.*: Blood gases: continuous in vivo recording of partial pressures by mass spectrography, 885
WOLF, E. R., Peasants, *book review of*, 625
Wolfe, R. I.: Sophistication, old and new (*letter*), 250
Wolff, G. L. *See* Bartke, A.
Wolfe, D. (*editorials*): Animal care legislation, 1061; Commitment to science, 1339; Government support for social science, 485; Help for small colleges, 697; Industry and education, 1599; Stable federal support, 125
Wolstencroft, J. H. *See* Gwyn, D. G.
Wood, M. L. *See* Monaco, A. P., *et al.*
Woods, S. M. *See* McLaren, I. A., *et al.*
Woodward, D. O.: *book review of* Genetic complementation, 288
Woodward, R. B.: Recent advances in the chemistry of natural products, 487
Woelford, D. C. *See* Woldring, S., *et al.*
Woollard, G. P. *See* Malahoff, A., *et al.*
World of the atom, The, H. A. BOORSE and L. MOTZ (Eds.), *book review by* K. F. Herzfeld, 1370
Wright, B. E.: Multiple causes and controls in differentiation, 830
WRIGHT, H., Explorer of the universe, *book review of*, 966
Wright, T. L. *See* Sato, M.
Wuest, H. M. *See* Fox, R. R., *et al.*

Y and Z

- Yasso, W. E.: *book review of* The movement of beach sand, 1232
Yatvin, M. B.: Hypophyseal control of genetic expression during chick feather and skin differentiation, 184
YOHALEM, A. M. *See* GINZBERG, E., *et al.*

- Yoshida, M., and H. Ohtsuki: Compound ocellus of a starfish: its function, 197
- Yoshikawa, K. *See* Rao, M. N., *et al.*
- YOUGRAU, W., *et al.*: Treatise on irreversible and statistical thermophysics, *book review of*, 1630
- Young, A. P.: Nickel orthouronate: high-pressure synthesis, 1380
- Young, M. D., *et al.*: *Plasmodium vivax* transmitted from man to monkey to man, 1006
- Young, T. C., Jr., and P. E. L. Smith: Research in the prehistory of central western Iran, 386
- Zanchetti, A. *See* Guzii, M., *et al.*
- Zapolsky, H. S.: Doppler interpretation of quasar red shifts, 635
- Zeiger, M. (*News and Comment*): Information services, 722
- Zhulin, V. M., *et al.*: Acrylonitrile polymerization in a miniaturized high-pressure optical cell, 649
- Zia, I. Y. Z., *et al.*: Chains of particles in shear flow, 1405
- Zimmerman, H. E.: Interpretation of some organic photochemistry, 837
- Zimmerman, R. H. *See* Cathey, H. M., *et al.*
- Zinc and cobalt: effect on the iron metabolism of *Ustilago sphaerogena*, H. Komai and J. B. Neilands, 751
- Zisk, S. H.: Brightness distributions of radio sources at 2-centimeter wavelength, 1107
- Zobel, C. R. *See* Berger, J. E., *et al.*
- Zohary, D. *See* Harlan, J. R.
- Zuckerman, J. J. *See* Smith, D. L., *et al.*
- Zukas, E. G. *See* Loree, T. R., *et al.*
- Zwaig, N., and E. C. C. Lin: Feedback inhibition of glycerol kinase, a catabolic enzyme in *Escherichia coli*, 755
- Zwicky, F.: Pygmy stars: first pair, 53