LETTERS

ARTICLES
Synthesis of Insulin: P. G. Katsoyannis
Auditory System of Noctuid Moths: K. D. Roeder
Basic Research in the University and Industrial Laboratory: R. E. Marashak

NEWS AND COMMENT
Anthropology—Concern about Foreign Research; 200-Bev Accelerator—Illinois Site Selected; Federal Laboratories—Are they Adjusting to Changing Needs? Scholars' Center—A Capitol Idea

BOOK REVIEWS
Elements of Psychophysics, reviewed by J. A. Swets; other reviews by A. Etzioni, E. Staley, H. S. Gutowsky, C. Wilson, J. M. Mitchell, Jr., R. R. Coats, J. D. Buddhie, G. W. Murphy; New Books

REPORTS
Deep-Sea pH: K. Park
Calcite: Rates of Dissolution in a Vertical Profile in the Central Pacific: M. N. A. Peterson
Isotopic Composition and Origin of the Red Sea and Salton Sea Geothermal Brines: H. Craig
Fluorine Content of Microsaur Teeth from the Carboniferous Rocks of Joggins, Nova Scotia: J. S. Stevenson and L. S. Stevenson
Sedimentary Environments in a Marine Marsh: F. B. Phleger and J. S. Bradshaw
Electrode for Sensing Fluoride Ion Activity in Solution: M. S. Frant and J. W. Ross, Jr.
Sonic Detection of a Fresh Water–Salt Water Interface: H. E. Edgerton
Ice Nuclei from Automobile Exhaust and Iodine Vapor: V. J. Schaefer

Officers:
HENRY EYRING
Chairman
ALFRED S. ROMER
President
DON K. PRICE
President-Elect
H. BENTLEY GLASS
Vice President
DAVID R. GODDARD
Secretary
HUDSON HOAGLAND
Treasurer

VICE PRESIDENTS AND SECTION SECRETARIES
MATHEMATICS (A) Albert W. Tucker
PHYSICS (B) Allen V. Astin
ANTHROPOLOGY (H) Cora Du Bois
PHARMACEUTICAL SCIENCES (Np) Joseph P. Buckley
Agriculture (D) Nyle C. Brady

AGRICULTURE (D) Nyle C. Brady

HISTORY AND PHILOSOPHY OF SCIENCE
Melvin Kranzberg

INDUSTRIAL SCIENCES (P)
Burton V. Dean

EDUCATION (Q) Clarence H. Beall

SOUTHWESTERN AND ROCKY MOUNTAIN DIVISION
Marlowe G. Anderson

SCIENCE is published weekly on Fridays and on the fourth Tuesday in November by the American Association for the Advancement of Science, 1515 Massachusetts Avenue, Washington, D.C. 20005. Annual subscriptions $8.50; foreign postage, $1.50. Canadian postage, 75c; single copies, 25c; except Guide to Scientific Instruments, which is address label. SCIENCE is indexed in the Reader's Guide to Periodical Literature.
Puromycin and Cycloheximide: Different Effects on Hippocampal Electrical Activity: H. D. Cohen, F. Ervin, S. H. Barondes .................................................. 1557
Naturally Occurring Primate Hybrid: I. S. Bernstein .......................................... 1559
Solution Photochemistry of Thymine and Uracil: A. A. Lamola and J. P. Mittal ........ 1560
Evolution of Immunoglobulin Polypeptide Chains: Carboxy-Terminal of an IgM Heavy Chain: R. F. Doolittle, S. J. Singer, H. Metzger .............................................. 1561
Quantitative Immunochemistry and the Evolution of Primate Albumins: Micro-Complement Fixation: V. M. Sarich and A. C. Wilson ........................................... 1563
Polypeptide Chains of Immunoglobulins from the Smooth Dogfish (Mustelus canis): J. Marchalonis and G. M. Edelman ............................................................... 1567
Initial and Resultant Population Densities in Chickens between Brooding and Sexual Maturity: G. L. Mangan and M. G. King .......................................................... 1568
Respiratory Control: Loss in Mitochondria from Diseased Plants: H. Wheeler and P. J. Hanchey ............................................. 1569
Chromosomal Polymorphism in the White-Throated Sparrow, Zonotrichia albicollis (Gmelin): H. B. Thernycroft ................................................................. 1571
Control of the Activity of Escherichia coli Carbamoyl Phosphate Synthetase by Antagonistic Allosteric Effectors: A. Pierard ................................................. 1572
Brain Sensitivity to Alcohol in Inbred Mouse Strains: R. Kakihana et al. ................. 1574
Open-Field Behavior in Mice: Evidence for a Major Gene Effect Mediated by the Visual System: J. C. DeFries, J. P. Hegmann, M. W. Weir ................................. 1577
Entrainment of Circadian Rhythms by Sound in Passer domesticus: M. Menaker and A. Eskin ................................................................. 1579
Visual Adaptation: Increased Efficiency Resulting from Spectrally Distributed Mixtures of Stimuli: R. M. Boynton and S. R. Das ........................................... 1581
Pupil Diameter and Load on Memory: D. Kahneman and J. Beatty ............................ 1583
Tryptophan Operon of Escherichia coli: Regulatory Behavior in Salmonella typhimurium Cytoplasm: R. L. Somerville .............................................. 1585

MEETINGS
Air Pollution Medical Research: J. R. Goldsmith; Antimicrobial Agents and Chemotherapy: D. Perlman ............................................. 1588

COVER
Ice crystals formed on submicroscopic particles of lead, from automobile exhaust, on exposure of the particles to a trace of iodine vapor while in a supercooled cloud at −15°C. There are more than 1 million such nuclei per liter. The largest crystal is 170 microns in diameter. See page 1555. [Vincent J. Schafer, Atmospheric Sciences Research Center, State University of New York]