LETTERS
Chiropractic Education: H. I. Fineberg; J. Sabatier; Algebra and Illusion:
I. D. J. Bross; “Amerind”: R. W. Dexter .......................... 1329

EDITORIAL
Penny Wise, Pound Foolish ........................................... 1333

ARTICLES
Formation of Hydroxyproline in Collagen: S. Udenfriend .................. 1335
Tekites Are Terrestrial: H. Faul ........................................ 1341
Radiation-Induced Mutations and Their Repair: E. M. Witkin .............. 1345
Electrons Accelerated to the 10- to 20-Gev Range: W. K. H. Panofsky et al. 1353

NEWS AND COMMENT
House: Appropriations for Science and Education—Oceanography:
Sea-Grant Colleges .................................................... 1355

BOOK REVIEWS
Modernization and the Structure of Societies: A Setting for International Affairs,
reviewed by R. J. Smith; other reviews by M. P. Billings, S. K. Hamarneh,

REPORTS
Retrograde Melting in the System Mg-Fe-Si-O: D. H. Speidel and R. H. Natziger ..... 1367
High-Purity Calcium Carbonate in Freshwater Clam Shell: D. J. Nelson, T. C. Rains,
J. A. Norris ............................................................ 1368
Epinephrine: Cascade Reactions and Glycogenolytic Effect: J. M. Bowness .......... 1370
Mast Cells and Necrosis: H. Selye ..................................... 1371
Actinomycete: Isolation and Identification of Agent Responsible for Musty Odors:
J. D. Dougherty, R. D. Campbell, R. L. Morris ................................ 1372
Chloroquine: Physiological Basis of Drug Resistance in Plasmodium berghei:
P. B. Macomber, R. L. O'Brien, F. E. Hahn ................................ 1374
Protective Action of Polycyclic Hydrocarbons against Induction of Adrenal
Necrosis by Dimethylbenzanthracene: P. H. Jellinek and B. Goody ................ 1375
Mammary Tumor Inhibition and Lung Adenoma Induction by Isonicotinic Acid
Hydrazide: B. Toth and P. Shubik ...................................... 1376
Lymphoid Cells Producing Antibody against Simple Haptens: Detection and
Enumeration: B. Merchant and T. Hraba .................................. 1378

BOARD OF DIRECTORS
HENRY EYRING
Retiring President, Chairman

ALFRED S. ROMER
Physicist

DON V. PRICE
President Elect

H. BENTLEY GLASS
David R. Goddard

HUDSON HOAGLAN
MINA S. REES

VICE PRESIDENTS AND SECTION SECRETARIES
MATHEMATICS (A)
C.A. Tucker
Wallace Gates

PHYSICS (B)
A. V. Astin
Stanley S. Ballard

PHARMACEUTICAL SCIENCES (Np)
A. J. Banner
Joseph P. Buckley

AGRICULTURE (O)
N. C. Brady

INDUSTRIAL SCIENCE (P)
E. A. Johnson

EDUCATION (Q)
Clarence H. Bueser
Frederick B. Dutton

DIVISIONS
ALASKA DIVISION
A. B. Colby
President

PACIFIC DIVISION
Eleanor Vierick
Executive Secretary

SOUTHWESTERN AND ROCKY MOUNTAIN DIVISION
Marlowe S. Anderson
Executive Secretary

SCIENCE is published weekly on Friday and on the fourth Tuesday in November by the American Association for the Advancement of Science, 1515 Massachusetts Ave., N
Continental United States $100, Canada $120, overseas $140. One year subscriptions: 9 months, $7. 10 months, $7.50. Please 4 weeks' notice for change of address, giving name and old addiess and zip numbers. Send a recent address label. SCIENCE is indexed in the Reader's Guide to Periodical Literature.
Influenza Virus Purification with the Zonal Ultracentrifuge: C. B. Reimer et al. 1379
Pentagonal Aggregation of Virus Particles: G. Milman et al. 1381
Quantum Yield of Oxygen Evolution and the Emerson Enhancement Effect in Deuterated Chlorella: G. Bedell and Govindjee 1383
Chemisorption of Water of High Temperatures on Kaolinite: Effect on Dehydroxylation: G. W. Brindley and G. L. Millhollen 1385
Endrin: Use of Concentration in Blood To Diagnose Acute Toxicity to Fish: D. I. Mount, L. W. Vigor, M. L. Schafer 1388
Adenovirus in Blood Clots from Cases of Infectious Hepatitis: W. V. Hartwell, G. J. Love, M. P. Eidenbock 1390
Peroxidation of Liver Lipids in the Pathogenesis of the Ethanol-Induced Fatty Liver: G. H. Kalish and N. R. Di Luzio 1390
Visual Acuity in a Stumptail Macaque: M. Yarczower et al. 1392
Sea Cucumber Sibling Species: Polypeptide Chain Types and Oxygen Equilibrium of Hemoglobin: C. Manwell 1393
Stimulation of the Proliferation of Cortical Neurons by Prenatal Treatment with Growth Hormone: S. Zamenhof, J. Mosley, E. Schuller 1396
Transmigration of Lymph Nodes by Tumor Cells: B. Fisher and E. R. Fisher 1397
Maternal Effect in Dental Traits of the House Mouse: P. Tenczar and R. S. Bader 1398
Tree Shrews: Unique Reproductive Mechanism of Systematic Importance: R. D. Martin 1402
Heart Rate: Changes during Conditioned Suppression in Rats: L. de Toledo and A. H. Black 1404
Control of Sensory Fields by Stimulation of Hypothalamus: M. F. MacDonnell and J. P. Flynn 1406
Technical Comment: Pesticide Residues in Total Diet Samples: Bromine Content: B. J. Heywood 1408

MEETINGS

Hemes and Hemoproteins: B. Chance, R. W. Estabrook, R. Yonetani; Leibniz Commemoration: F. Kreiling; Forthcoming Events 1409

COVER

Packing of virus particles about a unique fivefold axis was observed with the electron microscope. The symmetry of the five successive views, obtained from rotating the original through multiples of 72 degrees about the center of the pentagonal group, is emphasized by photographic superposition (about X 500,000). See page 1381. [Gregory Milman, Harvard University; Betty G. Uzman, Anja Mitchell, and Robert Langridge, Children's Cancer Research Foundation and Harvard Medical School]
Science 152 (3727), 1329-1413.