LETTERS

"Brain Drain" Figures: J. A. Saxton; Mohole: G. Allott; Rhythm Method: R. G. Potter, Jr.; Stating the Problem: M. Bunge

EDITORIAL

Federal Support of Basic Research

ARTICLES

Earthquake Source Mechanisms: H. Benioff

Although progress has been made in the understanding of earthquakes, many problems remain.

The Bearing of Philosophy on the History of Science: A. Grünbaum

Philosophical mastery of the special theory of relativity is required for unraveling its history.

Soviet-American Exchanges—Tit-for-Tat Goodwill: S. S. Rosenfeld

Carefully regulated flow of people plays a small, but significant, role in East-West relations.

NEWS AND COMMENT

Tobacco: Slow Follow-up on PHS Report; SLAC: Building an Accelerator; Elliott Committee; Hearings Published

BOOK REVIEWS

Birth and Death of a Myth: H. A. Bent

Anthropometric Survey of Turkey, Greece, and Italy, reviewed by J. L. Angel; other reviews by T. W. Marion, C. Heimsch, D. P. Keily, W. H. Wagner, Jr., F. Fremont-Smith, A. T. McPherson, H. Deason, C. H. Ware, Jr., P. A. Woke

REPORTS

Xenon Fluorosilicate and Related Compounds: A. F. Clifford and G. R. Zeilenga

Origin of Diamonds in the Ureiltites: M. E. Lipschutz


Electrical and Thermal Measurements with Bridgman Anvils: R. S. Kirk and R. J. Vaisnys

Giant Polytene Chromosomes in Hypodermal Cells of Developing Footpads of Dipteran Pupae: J. M. Whitten
Simultaneous Studies of Firing Patterns in Several Neurons: G. L. Gerstein and W. A. Clark .................................................. 1325
Conglutination: Specific Inhibition by Carbohydrates: M. A. Leon and R. Yokohari ........................................... 1327
Differences in the Amino Acid Composition of a Third Rabbit Antibody: M. E. Koshland, F. M. Engberger, R. Shapanka ................................................................. 1330
Spontaneous Autoimmunity in Mice: Antibodies to Nucleoprotein in Strain A/J: G. J. Friou and P. O. Teague .................................................. 1333
Brucella-Agglutinating Antibodies: Relation of Mercaptoethanol Stability to Complement Fixation: R. K. Anderson et al. .................................................. 1334
Olfactory Discrimination: Electrophysiological Spatiotemporal Basis: M. M. Mozell .................................................. 1336
Variation in the Monoterpenes of Pinus ponderosa Laws: R. H. Smith .................................................. 1337
Dissociation of Olfactory Neural Response and Mucosal Potential: T. Shibuya .................................................. 1338
Persistence of Bacteria in ”Protoplast” Form after Apparent Cure of Pyelonephritis in Rats: L. B. Guze and G. M. Kalman son .................................................. 1340
Induction of Papillary Growths in the Heart: S. Rodbard, Y. Kinoshita, M. Montes .................................................. 1341
Starch Formation Induced by a Plant Parasitic Nematode: M. L. Schuster, R. Sandstedt, L. W. Estes .................................................. 1342
Thalidomide: Effects on Enzymes of Glutamic Acid Metabolism in Mice: E. Hirschberg et al. .................................................. 1343
Experimental Reversal of Germ Cells in Ovaries of Fetal Mice: C. D. Turner and H. Asakawa .................................................. 1344
Respiratory Distress: Relation to Prematurity and Other Factors in Newborn Monkeys: W. F. Windle .................................................. 1345
Dissociation and Recovery of a Response Learned under the Influence of Chlorpromazine or Šaline: L. S. Otis .................................................. 1347

MEETINGS
Air Pollution: J. P. Dixon; Early Man in the New World: G. A. Agogino, I. Rosner, C. Irwin-Williams; Radiation Accidents and Emergencies: L. H. Lanzl and J. H. Pingel; Forthcoming Events .................................................. 1349

DEPARTMENTS
New Products .................................................. 1361

COVER
This branched papillary growth, lined with endocardium, was taken from a cauliflower-like excrescence in the left atrium of the heart. Such growths develop at sites which undergo increased friction (hematoxylin-eosin stain, about × 33). See page 1341.