LETTERS


EDITORIAL

NIH Budget Hearings .................................................. 579

ARTICLES

Measurement of Stellar Diameters: R. H. Miller .................................. 581

A one-kilometer Michelson stellar interferometer is proposed for optical astronomy.

Fungus-Growing Ants: N. A. Weber ........................................ 587

A symbiotic relationship exists between an insect and a plant, involving an effective culturing technique.

Investigating the Origins of Mesopotamian Civilization: F. Hole .................. 603

An ecological approach suggests interrelated factors that may have triggered the emergence of civilization.

NEWS AND COMMENT

Research Policy: Harris Subcommittee Hearings—Space Science: Congressmen Want Larger Voice—Banning History: Stevens versus Frick .......................................................... 611

Report from Europe: Technology in Britain: New Moves; Research and Industry in Czechoslovakia; CERN and Serpukhov Prepare for Collaboration: V. K. McElheny .......... 619

BOOK REVIEWS

Primer on International Coercion: L. S. Rodberg .......................... 623

Aspects of Insect Biochemistry, reviewed by L. Levenbook; other reviews by W. A. D. Jackson, E. Friedl, H. A. Daw, C. S. Hall; New Books ................................. 624

REPORTS

Thermodynamic Equilibrium and the Inorganic Origin of Organic Compounds: R. V. Eck et al. ................................................ 628
Mass-Yield Distribution of the Fission Products in Fallout from the 14 May 1965 Nuclear Explosion: M. N. Rao et al. ........................................ 633

Doppler Interpretation of Quasar Red Shifts: H. S. Zapolsky ........................................ 635

Thyroid Hormone: Effects on Electron Transport: J. R. Bronk ........................................ 638

Serum High-Density Lipoprotein: Effect of Change in Structure on Activity of Chicken Adipose Tissue Lipase: A. Scanu ........................................ 640

Immunoglobulin M Allotypes of the Rabbit: Identification of a Second Specificity: S. Sell ........................................ 641

Hemopoietic Colony-Forming Units in Regenerating Mouse Liver: Suppression by Anticoagulants: M. L. Varon and L. J. Cole ........................................ 643


Subclasses of Human Immunoglobulin A Based on Differences in the Alpha Polypeptide Chains: J.-P. Vaerman and J. F. Heremans ........................................ 647

Acrylonitrile Polymerization in a Miniaturized High-Pressure Optical Cell: V. M. Zhulin, E. R. Lippincott, W. J. Bailey ........................................ 649

Inheritance of Reactivity to Experimental Manipulation in Mice: N. D. Henderson ........................................ 650

High-Speed Scanning in Human Memory: S. Sternberg ........................................ 652

Anxiety Levels in Dreams: Relation to Changes in Plasma Free Fatty Acids: L. A. Gottschalk et al. ........................................ 654

Binocular Disappearance of Monocular Symmetry: B. Julesz ........................................ 657

Technical Comments: Memory Transfer: W. L. Byrne et al.; Antigen-RNA Complexes: S. M. Sabesin ........................................ 658

MEETINGS Human Population Genetics: J. N. Spuhler; Forthcoming Events ........................................ 660

COVER Autoradiograph of the rain residue collected in Japan, 20 May 1965. The residue was exposed to Kodak KK x-ray film for 6 days (23–29 November 1965). The light spots correspond to the highly radioactive particles produced in the second Chinese nuclear explosion on 14 May 1965 (about X 5). See page 633. [K. Yoshikawa, University of Arkansas]