LETTERS
Essay Tests Can Be Standardized: L. La Fave; Science and the Election: T. F. Cooke, J. W. Brandt, J. Bennett, C. Adler; Able Students Still Choose Science: E. Mayr; The Lunar Surface: H. H. Nininger 171

EDITORIAL
Challenge to Tax Exemption 175

ARTICLES
Lasers for Length Measurement: A. G. McNish 177
An Absolute Spectrofluorometer: G. K. Turner 183
Digital Computers in the Biological Laboratory: R. L. Schoenfeld and N. Milkman 190
Precision Digital Tide Gauge: F. E. Snodgrass 198
Seismic Measurements on the Ocean Bottom: H. Bradner 208
High-Speed Automatic Analysis of Biomedical Pictures: R. S. Ledley 216

NEWS AND COMMENT
Presidential Campaign—Role of the Scientists; C. P. Snow—Corridors of Power; Cancer Research—More for Leukemia 233

BOOK REVIEWS
Technology: Man Remakes His World, reviewed by M. Kranzberg; other reviews by E. S. Ferguson, R. L. Strong, A. S. Crafts, L. R. Blinks, W. R. Brode 237

REPORTS
Animal Cell Strains: Cell Culture Collection Committee 241
A System for Studying Microbial Morphogenesis: Rapid Formation of Microcysts in Mucor xanthus: M. Dworkin and S. M. Gibson 243
Ostracitoxin: An Ichthyotoxic Stress Secretion of the Boxfish, Ostracion lentiginosus: D. A. Thomson 244
Tuberculin Reactivity of a Carbohydrate Component of Unheated BCG Culture Filtrate: H. Baer and S. D. Chaparas 245
Phytohemagglutinin Elicitation of Specific Anamnestic Immune Response in vitro: T. W. Tao 247
Chromosome Abnormalities in vitro in Human Leukocytes Associated with Schmidt-Ruppin Rous Sarcoma Virus: W. W. Nichols et al. 248
Radiation-Chemical Oxidation of Peptides in the Solid State: W. M. Garrison, M. E. Jayko, W. Bennett-Corniea .................................................. 250

Chromosome Aberrations: Their Role in the Etiology of Murine Leukemia: M. A. Rich, R. Tsuchida, R. Siegler ........................................ 252

Serotonin Rhythm in the Pineal Organ: Control by the Sympathetic Nervous System: V. M. Fiske ............................................................. 253


Silicon Oxynitride: A Meteoritic Mineral: C. A. Andersen, K. Keil, B. Mason ................................................................. 256

Chemical Variations in a Granitic Pluton and Its Surrounding Rocks: A. K. Baird et al. ................................................................. 258

Oscillations of Quasars: G. C. McVittie .................................................. 259

High-Voltage Laue X-ray Photography of Large Single Crystals: B. Paretzkin and H. S. Peiser ............................................................. 260

Crystal and Molecular Structure of Ferrichrome A: A. Zalkin, J. D. Forrester, D. H. Templeton ............................................................. 261

Sodium Perxenate and Xenon (II) Difluoride Reduction at the Dropping-Mercury Electrode: B. Jaselskis .................................................. 263

Imprinting in an Altricial Bird: The Blond Ring Dove (Streptopelia risoria): E. Klinghammer and E. H. Hess .................................................. 265

Eel Electroplaques: Spike Electrogenesis without Potassium Activation: Y. Nakamura, S. Nakajima, H. Grundfest ........................................ 266

Activating and Synchronizing Centers in Cat Brain: Electroencephalograms after Lesions: A. Camacho-Evangelista and F. Reinoso-Suárez ......... 268

Auditory Nuclei: Distinctive Response Patterns to White Noise and Tones in Unanesthetized Cats: D. Galin .................................................. 270


Biophysics: L. D. Harmon and F. M. Snell; Aquatic Pollution: J. J. A. McLaughlin; American Association of Physical Anthropologists: G. W. Lasker; Forthcoming Events .................................................. 276

MEETINGS

DEPARTMENTS

New Products ................................................................. 301

A transmission Laue photograph of a gypsum single crystal taken with a fine-focus x-ray tube operated at 100 kilovolts and 5 milliamperes. By this technique it is possible to examine, even while they are growing, thick single crystals, crystals in containers, and crystals enclosed in furnaces. The sample is not damaged or exposed to the air. Exposure, 5 minutes; distance between slit and film, 6 centimeters. See page 260.