
EDITORIAL
Support of Science in Underdeveloped Countries

ARTICLES
Stellar Chromospheres: O. C. Wilson
A Recording Microfluorospectrophotometer: W. J. Runge
Very Fast Reactions in Solution: G. G. Hammes

BOOK REVIEWS

REPORTS
Iron Meteorites with Low Cosmic Ray Exposure Ages: J. C. Cobb
Conversion of p,p'-DDT to p,p'-DDD by Intestinal Flora of the Rat: J. L. Mendel and M. S. Walton
Autoradiography with Tritiated Methotrexate and the Cellular Distribution of Folate Reductase: Z. Darzykniewicz et al.
Antigenic Correspondence of Serum Albumins among the Primates: A. S. Hafleigh and C. A. Williams, Jr.
Virus: Mixed Infection with Herpes Simplex and Simian Virus 40: A. S. Rabson et al.
Population Flushing with Sexually Sterile Insects: J. Monro
Marking Single Neurons by Staining with Intracellular Recording Microelectrodes: R. C. Thomas and V. J. Wilson ........................................... 1538

Aflatoxin B1: Binding to DNA in vitro and Alteration of RNA Metabolism in vivo: M. B. Sporn et al. ................................. 1539

Actin-Myosin Interaction: Inhibition of the Myosin Adenosine Triphosphatase by Actin: S. Barron, E. Eisenberg, C. Moos .................................................. 1541

Phospholipids of Bacteria with Extensive Intracytoplasmic Membranes: P.-O. Hagen, H. Goldfine, P. J. le B. Williams ................................. 1543


Electroretinogram of the Frog during Embryonic Development: F. Cervitelli and S. E. C. Nilsson ........................................ 1545

Cutaneous e-Loss in Reptiles: P. J. Bentley and K. Schmidt-Nielsen ........................................ 1547

Residues of DDT in Brains and Bodies of Birds That Died on Dosage and in Survivors: L. F. Stickel, W. H. Stickel, R. Christensen ................................. 1549

Association between Potassium Concentration and Serological Type of Sheep Red Blood Cells: B. A. Rasmussen and J. G. Hall ................................. 1551

Deamino-Oxytocin and 1-γ-Mercaptobutyric Acid-Oxytocin: X-ray Crystallographic Data: B. W. Low and C. C. H. Chen ........................................ 1552

Maximum Diving Capacities of the Weddell Seal, Leptonychotes weddelli: G. L. Kooyman ........................................ 1553

Incorporation of Tritiated Actinomycin D into Drug-Sensitive and Drug-Resistant HeLa Cells: M. N. Goldstein, K. Hammsn, E. Amrod ................................. 1555

Chromosome Changes Induced by Infections in Tissues of Rhynchosciara angelae: C. Pavan and R. Basile ................................. 1556

Dreaming Sleep in Man: Changes in Urine Volume and Osmolality: A. J. Mandell et al. ........................................ 1558

Parturient Mice: Effect of Environment on Labor: N. Newton, D. Foshee, M. Newton ................................. 1560

Technical Comments: Russian Luna IX Pictures: Provisional Analysis: G. P. Kuiper et al.; Water-Drop-Producing Equipment: H. E. Edgerton; Active Transport of 5,5-Dimethyl-2,4-Oxazolidinedione: T. C. Butler ................................. 1561

MEETINGS Nitrogen Fixation: C. C. Delwiche; Forthcoming Events ........................................ 1565

COVER Weddell seal (Leptonychotes weddelli) in ice hole near U.S. Antarctic base at McMurdo Sound. Investigations of the seal's diving capacities and behavior reveal that its deepest dive was 600 meters and its longest submergence was 43 minutes 20 seconds. See page 1553. [Gerald L. Kooyman, University of Arizona]