LETTERS


EDITORIAL

Support for Reviews and Data Evaluation: L. M. Branscomb

ARTICLES

Of Atoms, Mountains, and Stars: A Study in Qualitative Physics: V. F. Weisskopf
Metabolic Consequences of Diving in Animals and Man: P. W. Hochachka and K. B. Storey
Foreign Technology and the United States Economy: S. Gee

NEWS AND COMMENT

Strategic Arms Limitation (II): “Leveling Up” to Symmetry
Biomedical Research Panel Named
Pilots Take Unilateral Action on Flying Hazardous Cargo
Energy R & D: New Jurisdiction for Reorganized House Committee

RESEARCH NEWS

Vitamin D: Investigations of a New Steroid Hormone

BOOK REVIEWS

Youth: Transition to Adulthood and School Review, reviewed by J. A. Clausen; The Cell Surface in Development, E. J. McGuire; Claude Bernard and Animal Chemistry, G. L. Geison; The Control of Gene Expression in Animal Development, H. F. Lodish; Energy and Charge Transfer in Organic Semiconductors, G. A. Thomas; Books Received
REPORTS

Isotope Separation in a “Seeded Beam”: J. B. Anderson and P. Davidovits ............. 642

Analysis: T. A. Ferrar and J. P. Nelson ........................................... 644

Agglomeration of Ash in Fluidized Beds Gasifying Coal: The Godel Phenomenon:
J. Yerushalmi et al. ................................................................. 646

Maternal Malnutrition and Placental Transfer of α-Aminoisobutyric Acid in the Rat:
P. Rosso ................................................................. 648

Ornithine Decarboxylase Activity: Control by Cyclic Nucleotides: C. V. Byus and
D. H. Russell ................................................................. 650


Gene Transfer to a Myxobacterium by Escherichia coli Phage P1: D. Kaiser
and M. Dworkin ................................................................. 653

Concanavalin A: Its Action in Inducing Oocyte Maturation-Inducing Substance
in Starfish Follicle Cells: J. Kubota and H. Kanatani ................................ 654

Transmissible Mink Encephalopathy: Infectivity of Corneal Epithelium:
R. F. Marsh and R. P. Hanson ................................................................. 656

Water Recycling in Lactation: P. Baverstock and B. Green ........................................ 657

Stroke in Rats Produced by Carotid Injection of Sodium Arachidonate:
T. W. Furlow, Jr., and N. H. Bass ................................................................. 658

Basal Forebrain and Hypothalamic Connections to Frontal and Parietal Cortex in
the Rhesus Monkey: J. Klevit and H. G. J. M. Kuipers .................................. 660

Symbolic Matching by Pigeons: Rate of Learning Complex Discriminations Predicted
from Simple Discriminations: D. E. Carter and D. A. Eckerman ......................... 662

Sexual Selection in a Wild Population of the Butterfly Danaus chrysippus L.:
D. A. S. Smith ......................................................... 664

COVER

Dark-field photomicrograph of neurons, filled with horseradish peroxidase reaction granules in the basal forebrain area of the rhesus monkey. The enzyme, which is transported retrogradely through axons, appeared in these cell bodies after injection in the precentral gyrus. See page 660. [W. van den Oudenalder, Erasmus University Medical School, Rotterdam, Netherlands]