LETTERS


EDITORIAL

Departure of the President's Science Adviser

ARTICLES

Earliest Radiocarbon Dates for Domesticated Animals: R. Protsch and R. Berger
Maternally Acquired Runt Disease: A. E. Beer and R. E. Billingham
Gene Flow and Population Differentiation: J. A. Endler
On Being Sane in Insane Places: D. L. Rosenhan

NEWS AND COMMENT

AAAS Council Meeting: Vietnam Resolutions; Bylaws Voted

Briefings: Another "Populist" President-Elect for ACS; Back at NIH, Marston's Firing Prompts Mild Protest; A. D. Little, Inc., Wants to Grant Degrees
Truman Era: Formative Years for Federal Science

RESEARCH NEWS

Vitamin B₁₂: After 25 Years, the First Synthesis

BOOK REVIEWS

Politics, Science, and Dread Disease, reviewed by C. V. Kidd; Carbon-Fluorine Compounds, F. A. Smith; Oogenesis, J. Chamberlain; Energy Metabolism of Human Muscle, R. E. Davies; Books Received

REPORTS

Lunar Shape via the Apollo Laser Altimeter: W. J. Sjogren and W. R. Wollenhaupt

SCIENCE is published weekly, except the last week in December, but with an extra issue on the fourth Tuesday in November, by the American Association for the Advancement of Science, 1515 Massachusetts Ave., NW, Washington, D.C. 20005. Now combined with The Scientific Monthly®. Second-class postage paid at Washington, D.C. Copyright © 1973 by the American Association for the Advancement of Science. Annual subscription $20; foreign postage: Americas $5; overseas $5; air freight to Europe, North Africa, Near East $ single copies $1 (back issues, $2) except Guide to Scientific Instruments which is $4. School year subscriptions: 9 months, $15; 10 months, $16.75. Provide 4 weeks notice of change of address, giving new and old address and zip codes. Send a recent address label. SCIENCE is indexed in the Reader's Guide to Periodical Literature.

The Hydroperoxyl Radical in Atmospheric Chemical Dynamics: Reaction withCarbon Monoxide: D. D. Davis, W. A. Payne, L. J. Stief ................................. 280


Convergent Projection of Three Separate Thalamic Nuclei on to a Single Cortical Area: H. Killackey and F. Ebner ........................................... 283

Three-Dimensional Structure of Yeast Phenylalanine Transfer RNA: Folding of the Polynucleotide Chain: S. H. Kim et al. ......................... 285

Radiation Effects in Free-Ranging Pocket Mice, Perognathus parvus, during the Breeding Season: T. P. O’Farrell et al. .................................. 289

Lambda Phage DNA: Joining of a Chemically Synthesized Cohesive End: C. L. Harvey, R. Wright, A. L. Nussbaum .................................. 291

Gonadal Effects of Vasectomy and Vasoligation: A. M. Sackler et al. ............ 293


Induction of Choline Phosphotransferase and Lecithin Synthesis in the Fetal Lung by Corticosteroids: P. M. Farrell and R. D. Zachman .................. 297

Rickettsia-like Bacterium Associated with Pierce’s Disease of Grapes: D. L. Hopkins and H. H. Mollenhauer ........................................... 298

Urinary Catecholamine Metabolites during Behavioral Changes in a Patient with Manic-Depressive Cycles: F. D. Johnson et al. ....................... 300

Sleep and Memory: M. J. Fowler, M. J. Sullivan, B. R. Ekstrand .................... 302


COVER

Pen drawing (in the style of Pablo Picasso) symbolizing the domestication of animals. See page 235. [R. Protsch and R. Berger, University of California, Los Angeles]