Editorial

Humane Treatment of Animals

Articles

Nuclear Properties of Antinucleons: E. Segre

The study of antiprotons reveals other antiparticles previously predicted and also unpredictable aspects of the scattering and annihilation process.

General Theory of Mortality and Aging: B. L. Strehler and A. S. Mildvan

A stochastic model relates observations on aging, physiologic decline, mortality, and radiation.

Roy Chapman Andrews, Explorer: E. H. Colbert

Science in the News

Funds for Science Foundation and Space Agency; Pauling vs. the Senate Internal Security Committee; Un-American Science

Book Reviews

T. C. Schelling's *The Strategy of Conflict*, reviewed by P. Kecskemeti; other reviews

Reports

Suppression of Pain by Sound: W. J. Gardner, J. C. R. Licklider, A. Z. Weisz

Arizona's Oldest Cornfield: P. S. Martin and J. Schoenwetter

Environmental Factors Influencing Progeny Yields in *Drosophila*: W. C. Levengood and M. P. Shinkle


Osmotic Pressure and Aqueous Humor Formation in Dogfish: R. F. Doolittle, C. Thomas, W. Stone, Jr.

Control of Vocal Responding in Chickens: H. Lane


Possible Two-Stage Mechanism in Experimental Leukemogenesis: I. Berenblum and N. Trainin

Influence of Anabolic Steroids on Uptake of Alpha-Aminoisobutyric Acid by Levator Ani Muscle: W. Metcalf and E. Gross

Effects of Ethyl Alcohol on Avoidance Behavior: G. S. Reynolds and P. van Sommers

Reversible Inhibition of Beef Heart Cytochrome c Oxidase by Polyionic Macromolecules: P. Person and A. Fine

Trophic Substances in a Blind Cave Crayfish: M. Fingerman and W. C. Mobberly, Jr.

Departments

Letters from R. E. Lapp; S. Rubin; B. Baldwin and M. Walton; G. A. Vance

Southwestern and Rocky Mountain Division; Forthcoming Events

Cover

An antiproton enters a propane bubble chamber. See page 9. [From Agnew et al., Phy. Rev. 110, 994 (1958)]