Animal Care in the Laboratory: Who Should Regulate It?: A. Freeman; E. D. Jacobson; F. Sperling; R. Rohwedder; Palaeomagnetism and Evolution: E. D. Gill ........................................ 776

EDITORIAL
The Tea Leaves or the Record? ........................................ 783

ARTICLES
Studies of Alloys by X-ray Absorption Spectroscopy: L. V. Azároff ........................................ 785
Fine structure exhibits the effect of alloying on the absorbing atom’s electronic structure.

The Search for Extraterrestrial Life: N. H. Horowitz ........................................ 789
Present knowledge does not permit the conclusion that, if life ever existed on Mars, it is now extinct.

Cultural Patterns in Narrative: B. N. Colby ........................................ 793
Are there cultural patterns in the folk tales and myths of a people which can be objectively described?

NEWS AND COMMENT
Pittsburgh: The Rocky Road to Academic Excellence (III)—FDA: New Leaders—Weather Modification: New Stirrings in the Senate ........................................ 799
Report from Europe: Pasteur Institute Scientists Demand Sweeping Reform: V. K. McElheny ........................................ 809

BOOK REVIEWS
Lorenz’s Concept of the Origins of Adaptive Behavior: W. J. Smith ........................................ 810

High Latitude Particles and the Ionosphere, reviewed by J. A. Fejer; other reviews by M. L. Lindberg, G. A. Llano, Y. Sagawa, P. P. Lele; New Books ........................................ 811

REPORTS
Lithium-Drifted Germanium Detectors: Applications to Neutron-Activation Analysis: G. L. Schroeder et al. ........................................ 815

Rubidium-Strontium Age of the Bosumtwi Crater Area, Ghana, Compared with the Age of the Ivory Coast Tektites: C. C. Schnetzler, W. H. Pinson, P. M. Hurley ........................................ 817

Imidonitrogen in Chlorella “Polyphosphate”: D. L. Correll ........................................ 819

Hemagglutination by Fava Bean Extract Inhibited by Simple Sugars: C. B. Perera and A. M. Frumin ........................................ 821

Encephalitogenic Activity of Bovine Basic Proteins: M. W. Kies et al. ........................................ 821
Intracellular Localization of Growth Hormones in Plants: S.-H. Liao and R. H. Hamilton .................................................. 822
Phenylalanine: Transplacental Concentrations in Rhesus Monkeys: G. R. Kerr and H. A. Weisman ................................. 824
Catecholamine Concentrations: Changes in Plasma of Rats during Estrous Cycle and Pregnancy: R. D. Green, III, and J. W. Miller ................................................................. 825
Environmental Control of Ovarian Development in Mosquitoes of the Culex pipiens Complex: B. F. Eldridge .................. 826
Rh Factor: Prevention of Isoimmunization and Clinical Trial on Mothers: Y. J. Freda, J. G. Gorman, W. Polack .................... 828
Slant Perception and Shape Constancy in Infants: T. G. R. Bower .......................................................... 832
Imagery: Effect of a Concealed Figure in a Stimulus: M. Eagle, D. L. Wolitzky, G. S. Klein .............................................. 837
AAAS Council Meeting, 1965: D. Wolfe ................................................. 842
AAAS Officers, Committees, and Representatives for 1965 .......................................................... 844
A Report of the Fourth Berkeley Meeting: R. L. Taylor .......................................................... 848
Reports of Sections and Societies .......................................................... 858
Forthcoming Events .......................................................... 900

Experimental stimulus. A background duck, concealed by the tree in the right figure, is not present in the control figure on the left. The concealed form was unperceived by viewers during experiments, but nevertheless did influence the content of subsequent imagery. See page 837. [Adapted from drawing by David Elkind, University of Denver]