A Machineless Teaching Machine .................................................. 531

Molecular Basis for Action of Ionizing Radiations: F. Hutchinson ................ 533
A simple method describes the inactivation by ionizing radiations of molecules in the living cell.

Report on Russia: Geochemistry and Politics: K. B. Krauskopf .................... 539
Soviet geologists are busy with a host of projects, but in their off-hours they enjoy talking politics.

Grand Strategy: The Views of the Administration and the War College Do Not Seem To Coincide .................................................. 543

The "Two Cultures" within Biology: G. Hardin .................................. 548
The Virus Laboratory makes a notable effort to contact biologists and laymen outside the walls.

J. Rostand's Human Heredity, reviewed by V. A. McKusick; other reviews ........ 549

Natural Tritium Measurements by Ethane Counting: A. E. Bainbridge, P. Sandoval, H. E. Suess .................................................. 552

"Hypersexuality" in Male Cats without Brain Damage: R. P. Michael ............ 553

Spontaneous Occurrence of Chromosome Abnormality in Cats: H. C. Thuline and D. E. Norby .................................................. 554

Simian Malaria in the Philippines: L. M. Howard and B. D. Cabrera ................ 555

Effect of Actinomycin D on Cellular Nucleic Acid Synthesis and Virus Production: E. Reich et al. .................................................. 556

Rapid Development of Drug-Resistant Mutants of Poliovirus: J. L. Melnick, D. Crowther, J. Barrera-Oro ........................................... 557

Antiviral Effect of Guanidine: W. A. Rightsel et al. ................................ 558

Foliar Retention of Strontium-90 by Wheat: R. G. Menzel, D. L. Myhre, H. Roberts, Jr. .................................................. 559

Single Unit Activity of Anterior Hypothalamus during Local Heating: T. Nakayama, J. S. Eisenman, J. D. Hardy ................................. 560

Authigenic Dolomite in Modern Carbonate Sediments along the Southern Coast of Florida: W. H. Taft .................................................. 561

Mass Culture of Phytoplankton as Foods for Metazoans: H. C. Davis and R. Ukeles .................................................. 562


Eastern Equine Encephalomyelitis Vaccine Prepared in Cell Cultures: J. P. Lowenthal, S. Berman, E. W. Grogan ..................................... 565

Calcification of the Permanent First Mandibular Molar in Rhesus Monkeys: D. R. Swindler .................................................. 566

Letters from L. Burton and F. Friedman; J. R. Pierce; A. B. Lees and H. H. Goldstine; N. B. Cothrup and W. M. Sinton ....................... 527

International Andean Year; Forthcoming Events; New Products ............. 568

Leaf of the unusual Darlingtonia californica, or western pitcher plant, a native of northern California and adjacent Oregon. Like other carnivorous plants of this group, the tubular base constitutes a liquid-filled trap; at the top the leaf is strikingly translucent. The general resemblance to a snake's head has suggested another common name—cobra plant. [W. H. Hodge, Kennett Square, Pa.]