Hydrocarbons of Biological Origin in Sediments about Two Billion Years Old:
J. Oro et al. ................................................... 77

Nonelectrolyte Transport in Muscle during Induced Protein Loss:
I. R. Fenichel and S. B. Horowitz ..................................... 80

Sex Chromatin in Newborns: Presumptive Evidence for External Factors in Human Nondisjunction: A. Robinson and T. T. Puck ........................... 83

Retinoyl Beta-Glucuronic Acid: A Major Metabolite of Vitamin A in Rat Bile:
P. E. Dunagin, Jr., E. H. Meadows, Jr., J. A. Olson ................ 86

Vaccinia Virus Directed RNA: Its Fate in the Presence of Actinomycin:
A. J. Shatkin, E. D. Sebring, N. P. Salzman ............................ 87

Bird Mortality after Spraying for Dutch Elm Disease with DDT: C. F. Wurster, Jr.,
D. H. Wurster, W. N. Strickland ................................... 90

Lattice Formation in Complement Fixation: Studies with Univalent Rabbit Antibody:
H. H. Fudenberg, R. Hong, A. Nisonoff ............................. 91

Molybdenum Content of Corn Plants Exhibiting Varying Degrees of Potassium Deficiency: J. B. Jones, Jr. ....... 94


Hepatomas in Mice: Incidence Increased after Gamma Irradiation at Low Dose Rates:
P. C. Nowell and L. J. Cole ....................................... 96

Coxsackie A9 Virus: Mutation from Drug Dependence to Drug Independence:
H. J. Eggers and I. Tamm .................................. 97

Leukemia in Husbands and Wives: S. Milham, Jr. .................... 98

Cyclic Structure of Adenovirus DNA: K. O. Smith .................. 100

Indole Compounds: Isolation from Pineal Tissue: W. M. McIsaac et al. .... 102

Auditory Nerve: Electrical Stimulation in Man: F. B. Simmons et al. .... 104

MEETINGS

Theoretical Physics Conference: E. J. Woods; Micrometeorology: S. Barr and E. V. Jankus; Relativistic Astrophysics: B. M. Biram; Forthcoming Events .... 107

DEPARTMENTS

New Products ........................................................... 123

COVER

Pumice from the volcanic tuff of Bed I, Olduvai Gorge. The specimen was mounted in plastic, polished, and etched. The three arrows indicate the location of spontaneous fission events. Each event appears as an elliptical pit. The age of the pumice, determined by counting such events, has been found to be 2 million years (about \( \times 700 \)). See page 72.