REPORTS

Volcanic Gases: Hydrogen Burning at Kilauea Volcano, Hawaii:
D. P. Cruikshank, D. Morrison, K. Lennon ........................................... 277

Ground-Based Thermal Infrared Surveys as an Aid in Predicting Volcanic
Eruptions in the Cascade Range: I. M. Lange and J. C. Avent .................... 279

Chondrites: Initial Strontium-87/Strontium-86 Ratios and the Early History of the

Copulation in Castrated Male Rats following Combined Treatment with Estradiol
and Dihydrotestosterone: M. J. Baum and J. T. M. Vreeburg ..................... 283

Periodicity of Susceptibility to Pneumococcal Infection: Influence of Light and
Adrenocortical Secretions: P. G. Shackelford and R. D. Feigin ................. 285

Complete Amino Acid Sequence of the Mu Heavy Chain of a Human IgM
Immunoglobin: F. W. Putnam et al. ......................................................... 287

Neuronal Properties of Nymphal and Adult Insect Neurosecretory Cells in vitro:
K. R. Seshan and R. Levi-Montalcini ...................................................... 291

Neuromuscular Junction in Myasthenia Gravis: Decreased Acetylcholine Receptors:
D. M. Fambrough, D. B. Drachman, S. Satyamurti ................................ 293

Proteins from Human Cerebrospinal Fluid: Binding with Nucleic Acids:
H. Kubinski and M. Javid ................................................................. 296

Defect in Conversion of Procollagen to Collagen in a Form of Ehlers-Danlos
Syndrome: J. R. Lichtenstein et al. ......................................................... 298

Oxygen Affinity and Electrolyte Distribution of Human Blood: Changes Induced
by Propranolol: A. Agostoni et al. ......................................................... 300

Crowding among Hunter-Gatherers: The !Kung Bushmen: P. Draper ............. 301

Delayed Recovery of Function following Orbital Prefrontal Lesions in Infant
Monkeys: E. A. Miller, P. S. Goldman, H. E. Rosvold ............................ 304

Technical Comments: Carbon Dioxide and pH: Effect on Species Succession
of Algae: J. C. Goldman; J. Shapiro ...................................................... 308

COVER

Photomicrograph (Nomarski interference microscope) of 18 neurosecretory cells from the pars intercerebralis
of the brain of an adult cockroach (Periplaneta americana) after 3 weeks of culture in a chemically defined me-
dium. Nerve fibers of a considerably large branch out profusely from the neurosecretory cells and make
multiple interconnections (about × 640). See page 291. [K. R. Seshan
and R. Levi-Montalcini, Washington University, St. Louis, Missouri]