NUMBER 8

Regressions of Physical Properties on the Compositions of Clinopyroxenes
I. Lattice Constants ................Horace Winchell and Robert Tilling 529

Si-Al Relation in Clinopyroxenes from Igneous Rocks ........Ikuo Kushiro 548

Jadeite-rocks and Glaucoephane-schists from Angel Island, San Francisco
Bay, California .................................................................T. W. Bloxam 555

Systems S—Na2O—H2O and S—H2S: Application to the Mode of Origin
of Natural Alkaline Polysulfide and Thiosulfate Solutions
R. W. Arntson, F. W. Dickson, and George Tunell 574

Argon Diffusion in Glaucnite, Microcline, Sanidine, Leucite and Phlogopite
J. F. Evernden, G. H. Curtis, R. W. Kistler, and J. Obradovich 583

Salt- and Fresh Water Relationships in Two Terminal Stream Bars
James P. Heath 605

REVIEWS

The Morphology and Anatomy of American Species of the Genus Psaronius; by
Jeanne Morgan ........................................................................Theodore Delevoryas 608

Principles of Paleobotany, 2nd ed.; by William C. Darrah ..........Theodore Delevoryas 608