

Thursday, June 5, 1997
GEOCHEMICAL KINETICS AND REACTIVITY II
1:30 p.m. Finger Rock

Chairs: D. E. Harlov
D. K. Fisler

Kalinowski B. E.*

Electrolyte Effects on the Dissolution Kinetics of Biotite and Phlogopite at Room Temperature

Frogner P.* Schweda P.

Hornblende Dissolution Kinetics at 25°C

Benning L. G.* Wilkin R. T. Barnes H. L.

The Solubility of Calcium- and Magnesium-exchanged Clinoptilolite

Harlov D. E.* Heinrich W. Gottschalk M.

Experimental Calibration of the Equilibrium: $6 \text{ Buddingtonite} + 3 \text{ O}_2 = 2 \text{ Tobelite} + 12 \text{ Quartz} + 2 \text{ N}_2 + 6 \text{ H}_2\text{O}$ at 2 Kilobars

Fisler D. K.* Cygan R. T.

Molecular Models of Calcite: Structure, Defects, and Diffusion

Gorisch E. B.* Ayers J. C.

Experimental Growth and Behavior of Monazite with Implications for Natural Metamorphic Rocks

Koreshy C. M.* Sverjensky D. A.

Structure of Surface Sites Predicted from Crystal Chemistry: Implications for Interpretation of Infrared and XAFS Data

Lüttge A.* MacInnis I. N. Lasaga A. C.

In Situ Measurement of Mineral (Silicate) Dissolution Kinetics Under Hydrothermal Conditions Using Scanning White Light Interferometry

Fletcher R. C. Merino E.*

Rheology and Kinetics of Replacement

Hellmann R.*

Hydrogen Penetration of Minerals and Glasses During Hydrolysis at Hydrothermal Conditions

Bagdassarov N. S.* Ritter F. Yanev Y.

Kinetics of Perlite Glass Degassing: TG and DSC Analysis

Eggenkamp H. G. M.* Coleman M. L.

A Comparison of Chlorine and Bromine Isotope Fractionation in Diffusion: Geochemical Consequences