

Monday, April 24, 2017

POSTER SESSION I:

**ORIGIN AND EVOLUTION OF LIFE: PREBIOTIC CHEMISTRY:  
EXPERIMENTAL INSIGHTS INTO ORGANIC GEOCHEMISTRY**

7:00 p.m. Main Hall

Dass A. V. Georgelin T. Foucher F. Kee T. P. Westall F.

[\*Ribose Behavior in Silica Hydrogel\*](#) [#3264]

D-ribose was incorporated in silica hydrogel. Mobility interaction and thermal behavior of ribose were evaluated from a prebiotic point of view.

Johnson K. N. Gould I. R. Williams L. B. Hartnett H. E. Shock E. L.

[\*Carboxylic Acid Transformations in the Presence of Mineral Surfaces\*](#) [#3296]

Minerals matter and their influence on organic reactions need to be well understood to comprehend abiotic reactions in geologic environments.

Robinson K. Gould I. Hartnett H. Williams L. Shock E.

[\*Hydrothermal Reactions of Model Amines as Proxies for Prebiotic Chemistry\*](#) [#3421]

This study characterizes the hydrothermal reaction kinetics, mechanisms, and equilibria for nitrogen-bearing organic compounds.

Bockisch C. D. Williams L. Hartnett H. E. Shock E. L. Gould I. R.

[\*Nickel-Catalyzed Reductions and Deoxygenations at Hydrothermal Conditions\*](#) [#3689]

Experimental kinetic and mechanistic analysis of hydrothermal organic reactions with nickel as a catalyst and iron as a sacrificial hydrogen donor.