

Wednesday, March 21, 2018

[W406]

CHONDRITES AND THEIR COMPONENTS II: METALS AND ORGANICS

10:15 a.m. Montgomery Ballroom

Chairs: Queenie Chan
Alexander Ruzicka

- 10:15 a.m. Hamilton V. E. * Abreu N. M. Bland P. A. Connolly H. C. Jr. Hanna R. D. et al.
[*Spectral Classification of Ungrouped Carbonaceous Chondrites II: Parameters and Comparison to Independent Measures*](#) [#1753]
Trends in thermal IR spectral features and phyllosilicate fraction help classify the petrologic type and group of ungrouped CC.
- 10:30 a.m. Nevill N. * Clemett S. J. Messenger S. Thomas-Keptra K. L.
[*Coordinated Analysis of Organic Matter in Primitive Meteorites*](#) [#1077]
We refined chemical, isotopic, and contextual relationships between distinct organic species within meteorites, with implications for nanoglobule evolution.
- 10:45 a.m. Chan Q. H. S. * Zolensky M. E. Kebukawa Y. Franchi I. A. Wright I. P. et al.
[*Primitive O-, N-, and C-Rich Organic Vein Preserved in a Xenolith Hosted in the Metamorphosed Carancas Meteorite*](#) [#1191]
Made-up word: Ordcarvein — a carbon-rich vein in a carbonaceous clast hosted within an ordinary chondrite. In a way a bit similar to Turducken.
- 11:00 a.m. Nakanishi N. * Yokoyama T. Okabayashi S. Iwamori H.
[*Formation of Metal Phases in CR Chondrites: Implications from Highly Siderophile Elements*](#) [#1843]
We have measured HSE abundances in CR metals in order to constrain the formation of metal grains associated with chondrule formation.
- 11:15 a.m. Bonato E. * King A. J. Schofield P. F. Kaulich B. Araki T. et al.
[*The Oxidation State of Iron in Silicate Minerals from the Matrices of CO Carbonaceous Chondrites*](#) [#1917]
Determination of the Fe oxidation state in CO chondrite matrix silicates and variations with increasing thermal metamorphism.
- 11:30 a.m. Telus M. * Simon S. B. Howard D. L.
[*Fe-Ni Mobilization in Primitive CO Chondrites: Implication for Progressive Aqueous Alteration in the Parent Body*](#) [#2967]
CO3.0s show varying degrees of Fe-Ni mobilization that are likely a signature of parent body alteration.