PRINT ONLY: ACHONDRITES

Ammannito E. Coradini A. De Sanctis M. C. Garoli D. Naletto G. Pelizzo M. G. Russell C. T.
UV-VIS-NIR Reflectance Spectroscopy of Vesta Analogs: The Case of Millbillillie **[#1659]**
We have collected reflectance spectra in the spectral range 190–2500 nm of the Millbillillie meteorite. Then we have studied the spectra acquired using the MGM software. We have found some differences in the total iron content along the sample.

Ammon K. Masarik J. Leya I.
The Relevance of Noble Gases in Iron Meteorites **[#1275]**
Troilite and schreibersite inclusions significantly affect the cosmogenic Ne concentrations in Grant and Carbo. A correction of Ne has a direct influence on the interpretation of the long-term variation of the GCR.

Bellucci J. J. Ash R. D. McDonough W. F. Walker R. J.
Standard Addition Analysis of Rh and Au in IVB Iron Meteorites **[#2013]**
Here we show that standard addition or Rh and Au can yield precisions of 5–7% (at 2 s.d.) to help constrain the nebular condensation condition and to improve fractional crystallization models used to explain the HSE patterns observed in the IVB irons.

Lavrentjeva Z. A. Lyul A. Yu. Kolesov G. M.
Trace Element Distribution in the Pallasite Omolon **[#1036]**
The elemental abundances Na, Ca, Cr, Sc, Fe, Co, Ni, Au, Ir, Hf, Zn, Cs and REEs have been measured in separated fractions from Omolon pallasite. Trace element distribution in meteorite confirms that phase, formed an olivine-metal boundaries, is the dominant REE carrier.

Lyul A. Yu. Lavrentjeva Z. A. Kolesov G. M.
Trace Element Fractionations in Metal of Aubrites **[#1059]**
According to the trace element contents, the two generations of metal occur in aubrites: the individual particles with roughly chondritic abundance patterns of elements and the fine-grained inclusions in silicate strongly depleted in refractory Ir.

Zinovieva N. G. Pletchov P. Yu. Latyshev N. P. Granovsky L. B.
P-T Parameters of Magmatic Replacement in Ureilites **[#1041]**
Our thermo- and barometric results obtained on ureilites indicates that their pyroxene-olivine material was replaced by diamond-bearing graphite-kamacite veinlets at temperatures of 1280°–1466°C and pressures of 0–5.7 kbar.