

**Thursday, March 18, 2004**  
**POSTER SESSION II: ANTARCTIC AND SPHERULE STUDIES**  
**7:00 p.m. Fitness Center**

Rochette P. Gattacceca J. Eisenlohr P. Folco L.

*In Situ Magnetic Identification and Classification of Meteorites in Antarctica* [#1132]

We present the results of the use of magnetic methods (susceptibility, magnetic anomalies) applied to meteorite identification and partial classification. These methods were successfully tested during a meteorite collection expedition in Antarctica.

Jagoutz E. Bory A. Jotter R. Zartmann R.

*Pb, Nd and Sr Isotopes in Aerosols Extracted from Snow, Berkner Island, Antarctica* [#1530]

First Pb, Nd and Sr Isotopes in Aerosols Extracted from Antarctic snow are reported. Sr and Nd isotopes for snow-borne dust samples of this study fit well within the Sr and Nd isotopic variations found in the ice cores.

Huwig K. A. Harvey R. P.

*Olivine Textures and Compositions in BIT-58 Ablation Debris* [#1941]

We discuss the textures and compositions of olivines in individual spherules from the BIT-58 ablation debris layer found in Antarctica in 1995.

Don Gy. Gál-Sólymos K.

*Extraterrestrial Spherules with Fe-Ni Core and Pt Group Nuggets in Pleistocene Sediment from Hungary* [#1591]

Magnetic spherules were collected in Pleistocene sediment from Hungary. Some of them have characteristic features suggested extraterrestrial origin: Ni-bearing crust, Ni-rich core or platinum group nuggets.