

[805]

**PRINT ONLY: DIFFERENTIATED METEORITES**

Kared R. Moine B. N. Seddiki A.

[\*Northwest Africa 4255, an Olivine-Bearing Diogenite, Relics of Primitive Residual Mantle\*](#) [#2210]

Study of olivine-bearing diogenite NWA 4255, melange between magma ocean melt and harzburgitic residua.

Konovalova N. A. Davruqov N. K.

[\*Groups of Meteorite-Producing Sporadic Fireballs on Cometary Orbits\*](#) [#1440]

The possibility of existence of groups of related meteorite-producing fireballs and known meteorites has been analyzed.

Lyons R. J. Ciesla F. J. Dauphas N.

[\*Widmanstätten Pattern Response to Impacts\*](#) [#2789]

Widmanstätten patterns provide insight into the cooling rates, thermal evolution, and structures of planetesimals. We test how impacts may affect its formation.