

PRINT ONLY: IMPACTS

Povenmire H. Harris R. S. Cornec J. H.

[*The New Central American Tektite Strewn Field*](#) [#1224]

Recently there have been more than 40 tektites found in western Belize. This apparently represents part of a new tektite strewn field. The Pantasma crater in Nicaragua is about 14 km diameter and is currently being investigated as the possible source crater.

Svetsov V. V.

[*Simulation of Early Martian Atmosphere Controlled by Impacts*](#) [#1137]

The model of atmosphere evolution during late accretion of asteroids and comets (Zahnle, *JGR*, 1993) with impactor and target vaporization is applied to an early Mars, using impact erosion and retention coefficients calculated by Shuvalov (*M&PS*, 2009).

Takasawa S. Nakamura A. M. Sangen K.

[*Target Size Dependence of Disruption Threshold: Collisional Fragmentation Experiments of Millimeter Scale Rocks*](#) [#1155]

We conducted collisional disruption experiments of pyrophyllite targets of size between 1.6 and 32.8 mm. The catastrophic disruption threshold (Q^*) is shown to increase with decreasing target size with a single power law down to about 1 mm.

Valter A.

[*Shock-Induced Twinning of K-Spars Crystals — The Remarkable Feature of Glass-Poor Suevites of Zeleny Gay Astrobleme, Ukraine*](#) [#1158]

The shock twins of microcline from the suevite-poor breccia of a small ancient impact crater from Ukrainian shield was investigated. The genesis of this rare phenomena was connected with the ricochet nature of impact.

Vishnevsky S. A.

[*Popigai Astrobleme \(Russia\): Water and Diamond Potential of Impactites-Tagamites*](#) [#1666]

A role of water in preserving/changing the impact diamond potential in the Popigai impactites-tagamites is discussed.

Weatherington P. H. King D. T. Jr.

[*Ocmulgee Structure, Georgia \(USA\): Searching for Evidence of Impact*](#) [#2356]

The Ocmulgee structure of south-central Georgia is a subtle domal feature that is surrounded by the arcs of two major rivers, the Ocmulgee and Oconee. This paper is a progress report on outcrop work looking for any shocked materials in that area.