

# Elements

An International Magazine of Mineralogy, Geochemistry, and Petrology



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ABOUT THE COVER:

An HDTV instrument on board Japan's Kaguya spacecraft acquired this image from lunar orbit on April 5, 2008. The large crater in the foreground is Plaskett (109 km diameter). The large crater in the background is Rozhdestvenskiy (177 km diameter). Earth is visible on the horizon. IMAGE COURTESY OF THE JAPAN AEROSPACE EXPLORATION AGENCY (JAXA) AND NHK



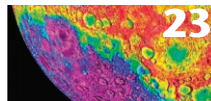
## Scientific Exploration of the Moon

John W. Delano, Guest Editor



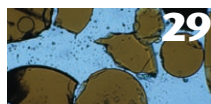
## Ancient Lunar Crust: Origin, Composition, and Implications

G. Jeffrey Taylor



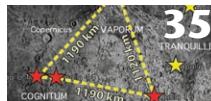
## The Lunar Cataclysm: Reality or "Mythconception"?

Marc D. Norman



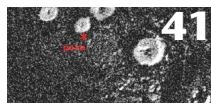
## Lunar Mare Volcanism: Where Did the Magmas Come From?

Timothy L. Grove and Michael J. Krawczynski



## The Interior Structure of the Moon: What Does Geophysics Have to Say?

Mark A. Wieczorek



## The Poles of the Moon

Paul G. Lucey

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