

Elements

An International Magazine of Mineralogy, Geochemistry, and Petrology



Elements is published jointly by the Mineralogical Society of America, the Mineralogical Society of Great Britain and Ireland, the Mineralogical Association of Canada, the Geochemical Society, The Clay Minerals Society, the European Association for Geochemistry, the International Association of GeoChemistry, and the Société Française de Minéralogie et de Cristallographie. It is provided as a benefit to members of these societies.

Elements is published six times a year. Individuals are encouraged to join any one of the participating societies to receive *Elements*. Institutional subscribers to any of the following journals—*American Mineralogist*, *The Canadian Mineralogist*, *Clays and Clay Minerals*, *Mineralogical Magazine*, and *Clay Minerals*—will also receive *Elements* as part of their 2006 subscription. Institutional subscriptions are available for US\$125 a year in 2006. Contact the managing editor (tremblipi@ete.inrs.ca) for information.

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Publications mail agreement no. 40037944

Return undeliverable Canadian addresses to:
PO Box 503
RPO West Beaver Creek
Richmond Hill, ON L4B 4R6

Printed in Canada
ISSN 1811-5209

www.elementsmagazine.org

Volume 2, Number 5 • October 2006



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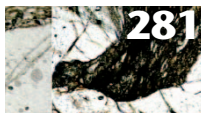
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ABOUT THE COVER: This spectacular photograph of the August 30, 2006 eruption of the basaltic volcano Piton de la Fournaise, Réunion Island (France), illustrates the intense activity of volcanoes. Magma viscosity is a major parameter for modeling volcanic eruptions, and may be explained by melt structure and dynamics and ultimately by the atomic motion of melt components. Like several other volcanoes around the world, the Piton de la Fournaise is monitored by a volcanological observatory, built in 1979. PHOTO COURTESY THOMAS STAUDACHER AND INSTITUT DE PHYSIQUE DU GLOBE DE PARIS/OVPE

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