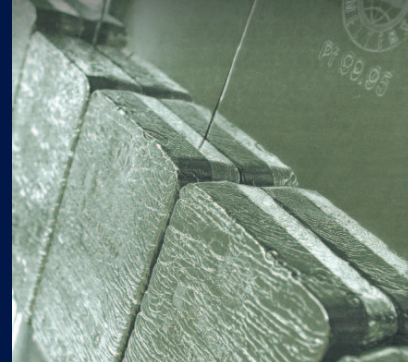


Elements

An International Magazine of Mineralogy, Geochemistry, and Petrology



Volume 4, Number 4 • August 2008

ABOUT THE COVER:
Stacked array of high-purity platinum bars.
IMAGE COURTESY OF DAVID JOLLIE, JOHNSON MATTHEY

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, the Société Française de Minéralogie et de Cristallographie, the Association of Applied Geochemists, the Deutsche Mineralogische Gesellschaft, the Società Italiana di Mineralogia e Petrologia, the International Association of Geoanalysts, the Polskie Towarzystwo Mineralogiczne (Mineralogical Society of Poland), and the Sociedad Española de Mineralogía. 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*, *Clay Minerals*, *Clays and Clay Minerals*, *MINABS Online*, *Mineralogical Magazine*, and *The Canadian Mineralogist*—will also receive *Elements* as part of their 2008 subscription. Institutional subscriptions are available for US\$150 a year in 2008. Contact the managing editor (tremlipi@ete.inrs.ca) for information.

Copyright 2008 by the Mineralogical Society of America

All rights reserved. Reproduction in any form, including translation to other languages, or by any means—graphic, electronic or mechanical, including photocopying or information storage and retrieval systems—without written permission from the copyright holder is strictly prohibited.

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 (print)
ISSN 1811-5217 (online)

www.elementsmagazine.org

The Platinum-Group Elements

James M. Brenan and James E. Mungall, Guest Editors



The Platinum-Group Elements: "Admirably Adapted" for Science and Industry

James M. Brenan



Platinum-Group Elements in Cosmochemistry

Herbert Palme



Applications of PGE Radioisotope Systems in Geo- and Cosmochemistry

Richard W. Carlson, Steven B. Shirey, and Maria Schönbacher



Platinum-Group Elements: A New Set of Key Tracers for the Earth's Interior

Jean-Pierre Lorand, Ambre Luguët, and Olivier Alard



Ore Deposits of the Platinum-Group Elements

James E. Mungall and Anthony J. Naldrett



Environmental Relevance of the Platinum-Group Elements

Sebastien Rauch and Gregory M. Morrison

Departments

Editorial – Quiet Revolution in the Geochemical Sciences . . .	219
From the Editors – Editors Meeting	220
Triple Point – Museums Are Not Attics	221
People in the News – AGU Fellows, Tim Drever	222
Meet the Authors	224
Students' Page – Writing your Thesis	265
Society News	
International Association of Geoanalysts	266
Società Italiana di Mineralogia e Petrologia	267
International Association of GeoChemistry	268
Société Française de Minéralogie et de Cristallographie	269
The Clay Minerals Society	270
Mineralogical Society of Poland	271
Geochemical Society	272
Mineralogical Society of Great Britain and Ireland	274
Mineralogical Society of America	276
Mineralogical Association of Canada	278
Deutsche Mineralogische Gesellschaft	280
Association of Applied Geochemists	281
Sociedad Española de Mineralogía	282
Book Reviews – <i>Neutron Scattering; American Mineral Treasures</i>	283
Calendar	285
Parting Shots – Glass Flowers	287
Advertisers in This Issue	288

