

Elements

An International Magazine of Mineralogy, Geochemistry, and Petrology



Volume 11, Number 3 • June 2015

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 of 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), the Sociedad Española de Mineralogía, the Swiss Society of Mineralogy and Petrology, the Meteoritical Society, and the Japan Association of Mineralogical Sciences. 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*, *Mineralogical Magazine*, and *The Canadian Mineralogist*—also receive one copy of *Elements* as part of their 2015 subscription. Institutional subscriptions are available for US\$160 (US\$175 non-US addresses) a year in 2015. Contact the executive editor (jross.elements@gmail.com) for information.

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Publications mail agreement no. 40037944
Printed in USA

ISSN 1811-5209 (print)
ISSN 1811-5217 (online)

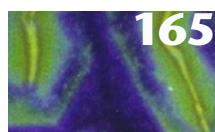
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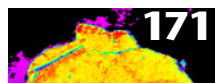
Apatite: A Mineral for All Seasons

Guest Editors: Daniel E. Harlov and John F. Rakovan



Structurally Robust, Chemically Diverse: Apatite and Apatite Supergroup Minerals

John M. Hughes and John F. Rakovan



Apatite: A Fingerprint for Metasomatic Processes

Daniel E. Harlov



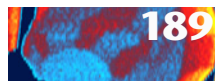
Magmatic Apatite: A Powerful, Yet Deceptive, Mineral

James D. Webster and Philip M. Piccoli



Extraterrestrial Apatite: Planetary Geochemistry to Astrobiology

Francis M. McCubbin and Rhian H. Jones



Geochronology and Thermochronology Using Apatite: Time and Temperature, Lower Crust to Surface

David M. Chew and Richard A. Spikings



A Technological Gem: Materials, Medical, and Environmental Mineralogy of Apatite

John F. Rakovan and Jill D. Pasteris

ABOUT THE COVER: Fluorapatite, Cerro de Mercado, Durango City, Mexico (6.4 cm crystal). The Durango fluorapatite is the international scientific “gold” standard for apatite. It is one of the most studied and referenced apatites from any location in the world. To date, there are over 100 published studies of the Durango apatite per se and 100’s more indirect studies, and counting. These include two articles in this issue (Harlov; Chew and Spikings). PHOTO: JEFF SCOVIL, REPRODUCED WITH PERMISSION; PETER MEGAW SPECIMEN

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