Gems
Emmanuel Fritsch and Benjamin Rondeau, Guest Editors

Gemology: The Developing Science of Gems
Emmanuel Fritsch and Benjamin Rondeau

Gem Formation, Production, and Exploration: Why Gem Deposits Are Rare and What Is Being Done to Find Them
Lee A. Groat and Brendan M. Laurs

The Geochemistry of Gems and Its Relevance to Gemology: Different Traces, Different Prices
George R. Rossman

The Identification of Faceted Gemstones: From the Naked Eye to Laboratory Techniques
Bertrand Devouard and Franck Notari

Seeking Low-Cost Perfection: Synthetic Gems
Robert E. Kane

Laboratory-Treated Gemstones
James E. Shigley and Shane F. McClure

Pearls and Corals: “Trendy Biomineralizations”
Jean-Pierre Gauthier and Stefanos Karampelas

Departments
Editorial – Gems, Riches, Wealth and Finance 139
From the Editors – Elements and GeoScienceWorld 140
Letter to the Editors 140
Triple Point – Asbestos Sans Mineralogy 141
People in the News – Boatner, Farfan, Hawthorne 142
Obituaries – Deines, Rosler 144
Meet the Authors 145
Society News
International Association of Geoanalysts 181
Mineralogical Society of Great Britain and Ireland 182
Geochemical Society 184
The Clay Minerals Society 185
Mineralogical Society of America 186
Mineralogical Association of Canada 188
Deutsche Mineralogische Gesellschaft 190
Mineralogical Society of Poland 191
Société Française de Minéralogie et de Cristallographie 192
Meeting Reports – Applied Mineralogy Meeting, MSA–GS short course 193
Outreach – Why Teach Mineralogy? 196
Book Reviews – LA–ICP–MS in the Earth Sciences 197
Calendar 198
Parting Shots – Gaga over Gemstones 200
Advertisers in this Issue 200