

**Contents – continued**

PAVEL ŠKÁCHA, JIŘÍ SEJKORA and JAKUB PLÁŠIL: Bytízite, a new Cu–Sb selenide from Příbram, Czech Republic	<b>199</b>
MARIO TRIBAUDINO, LUCIANA MANTOVANI, FRANCESCO MEZZADRI, GIANLUCA CALESTANI and GEOFFREY BROMILEY: The structure of $P2_1/c$ ( $\text{Ca}_{0.2}\text{Co}_{0.8}$ ) $\text{CoSi}_2\text{O}_6$ pyroxene and the $C2/c$ – $P2_1/c$ phase transition in natural and synthetic Ca–Mg–Fe <sup>2+</sup> pyroxenes	<b>211</b>
<i>CNMNC Newsletter 41</i>	
U. HÄLENIUS, F. HATERT, M. PASERO and S. J. MILLS: New minerals and nomenclature modifications approved in 2017 and 2018	<b>229</b>
<i>Obituaries</i>	
DAVID STEPHENSON: Charles Henry Emeleus (1930–2017)	<b>235</b>
BERNARD ELGEY LEAKE: Douglas Saxon Coombs (1924–2016)	<b>239</b>
COLIN G. MACPHERSON: Jon Paul Davidson (1959–2016)	<b>241</b>

Typeset by Nova Techset Private Limited, Bengaluru and Chennai, India  
Printed by Henry Ling Ltd., Dorchester, Dorset, UK  
Published by Cambridge University Press, Shaftesbury Road, Cambridge, UK

- MARIKO NAGASHIMA and DAISUKE NISHIO-HAMANE: Transmission electron microscopy study of the  
epitaxial association of hedenbergite whiskers with babingtonite

23

- GURMEET KAUR, ROGER H. MITCHELL and SUHEL AHMED: Mineralogy of the Vattikod lamproite dykes,  
Ramadugu lamproite field, Nalgonda District, Telangana: A possible expression of ancient subduction-  
related alkaline magmatism along Eastern Ghats Mobile Belt, India

35

- LUKE L. GEORGE, NIGEL J. COOK, BRYONY B. P. CROWE and CRISTIANA L. CIOBANU: Trace elements in  
hydrothermal chalcopyrite

59

- ADAM J. ROPER, PETER LEVERETT, TIMOTHY D. MURPHY and PETER A. WILLIAMS: The stability of the rare  
sodium antimonate, brizzite, and its role in Sb mobility

89

- DANIELA NOVEMBRE, CARLA PACE and DOMINGO GIMENO: Synthesis and characterization of  
wollastonite-2M by using a diatomite precursor

95

- MARCELO B. ANDRADE, DANIEL ATENCIO, LUIZ A. D. MENEZES FILHO and JOHN SPRATT: Melcherite,  
trigonal Ba<sub>2</sub>Na<sub>2</sub>Mg[Nb<sub>6</sub>O<sub>19</sub>]·6H<sub>2</sub>O, the second natural hexaniobate, from Cajati, São Paulo, Brazil:  
Description and crystal structure

111

- MARCELO B. ANDRADE, HEXIONG YANG, ROBERT T. DOWNS, GUNNAR FÄRBER, REYNALDO R. CONTREIRA  
FILHO, STANLEY H. EVANS, CLAYTON W. LOEHN and BENJAMIN N. SCHUMER: Fluorlamprophyllite,  
Na<sub>3</sub>(SrNa)<sub>2</sub>Ti<sub>3</sub>(Si<sub>2</sub>O<sub>7</sub>)<sub>2</sub>O<sub>2</sub>F<sub>2</sub>, a new mineral from Poços de Caldas alkaline massif, Morro do Serrote,  
Minas Gerais, Brazil

121

- LUIZ A. D. MENEZES FILHO, MARIO L. S. C. CHAVES, NIKITA V. CHUKANOV, DANIEL ATENCIO,  
RICARDO SCHOLZ, IGOR PEKOV, GERALDO MAGELA DA COSTA, SHAUNNA M. MORRISON, MARCELO  
B. ANDRADE, ERICO T. F. FREITAS, ROBERT T. DOWNS and DMITRIY I. BELAKOVSKIY: Parisite-(La), ideally  
CaLa<sub>2</sub>(CO<sub>3</sub>)<sub>3</sub>F<sub>2</sub>, a new mineral from Novo Horizonte, Bahia, Brazil

133

- ROBERTA OBERTI, FERNANDO CÁMARA, FABIO BELLATRECCIA, FRANCESCO RADICA, ANTONIO GIANFAGNA  
and MASSIMO BOIOCCHI: Fluoro-tremolite from the Limecrest-Southdown quarry, Sparta, New Jersey,  
USA: crystal chemistry of a newly approved end-member of the amphibole supergroup

145

- ANATOLY V. KASATKIN, JAKUB PLÁŠIL, RADEK ŠKODA, DMITRIY I. BELAKOVSKIY, JOE MARTY,  
NICOLAS MEISSER and IGOR V. PEKOV: Redefinition of thérèsemagnanite, NaCo<sub>4</sub>(SO<sub>4</sub>)(OH)<sub>6</sub>Cl·6H<sub>2</sub>O:  
new data and relationship to 'cobaltogordaite'

159

- EMILIA GARCÍA-ROMERO and MERCEDES SUÁREZ: A structure-based argument for non-classical crystal  
growth in natural clay minerals

171

- STUART J. MILLS, ANDREW G. CHRISTY and GEORGES FAVREAU: The crystal structure of ceruleite,  
CuAl<sub>4</sub>[AsO<sub>4</sub>]<sub>2</sub>(OH)<sub>8</sub>(H<sub>2</sub>O)<sub>4</sub>, from Cap Garonne, France

181

- ROBERTA OBERTI, MASSIMO BOIOCCHI, FRANK C. HAWTHORNE, MARCO E. CIRIOTTI, OLAV REVHEIM and  
ROBERTO BRACCO: Clino-suenoite, a newly approved magnesium-iron-manganese amphibole from  
Valmalenco, Sondrio, Italy

189

*Continued on Inside Back Cover*

#### Cambridge Core

For further information about this journal  
please go to the journal website at:  
[cambridge.org/mgm](http://cambridge.org/mgm)



**MIX**  
Paper from  
responsible  
sources  
FSC™ C013985