

MINERALOGICAL MAGAZINE

CONTENTS

- A. Finch:
Luminescence Phenomena in Minerals: Thematic Set 147
- J. GÖTZE, M. PLÖTZE, H. FUCHS and D. HABERMANN:
Defect structure and luminescence behaviour of agate —
results of electron paramagnetic resonance (EPR) and
cathodoluminescence (CL) studies 149
- U. KEMPE, J. GÖTZE, S. DANDAR AND D. HABERMANN:
Magmatic and metasomatic processes during formation
of the Nb-Zr-REE deposits Khaldzan Buregte and
Tsakhir (Mongolian Altai): Indications from a combined
CL-SEM study 165
- J. GÖTZE, U. KEMPE, D. HABERMANN, L. NASDALA, R. D. NEUSER
AND D. K. RICHTER:
High-resolution cathodoluminescence combined with SHRIMP
ion probe measurements of detrital zircons 179
- D. STIRLING, A. M. DUNCAN, J. E. GUEST AND A. A. FINCH:
Petrogenesis of plagioclase phenocrysts of Mount Etna,
Sicily, with particular reference to the 1983 eruption:
contribution from cathodoluminescence petrography 189
- M. GAFT, G. PANCIER, E. USPENSKY AND R. REISFELD:
Laser-induced time-resolved luminescence of rare-earth
elements in scheelite 199
- P. D. TOWNSEND, T. KARALI, A. P. ROWLANDS, V. A.
SMITH AND G. VAZQUEZ:
Recent examples of cathodoluminescence as a probe
of surface structure and composition 211
- P. J. O'BRIEN:
Asymmetric zoning profiles in garnet from HP—
HT granulite and implications for volume and
grain-boundary diffusion 227

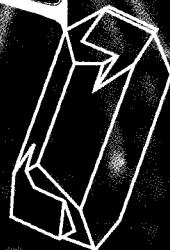
continued on back cover

April 1999

Vol. 63, No.2

PUBLISHED BY THE MINERALOGICAL SOCIETY
41 QUEEN'S GATE LONDON SW7 5HR

A JOURNAL OF
Mineral Sciences



MINERALOGICAL MAGAZINE

CONTENTS CONTD.

H.-J. FÖRSTER: The chemical composition of uraninite in Variscan granites of the Erzgebirge, Germany	239
G. Y. JEONG AND Y. H. KIM: Goldmanite from the black slates of the Ogcheon belt, Korea	253
F. PRINCIVALLE, A. DELLA GIUSTA, A. DE MIN AND E. M. PICCIRILLO: Crystal chemistry and significance of cation ordering in Mg-Al rich spinels from high-grade hornfels (Predazzo-Monzoni, NE Italy)	257
S. V. KRIVOVICHEV, G. L. STAROVA AND S. K. FILATOV: 'Face-to-face' relationships between oxocentred tetrahedra and cation-centred tetrahedral oxyanions in crystal structures of minerals and inorganic compounds	263
M. RIEDER AND 14 MEMBERS of the IMA CNMMN Mica Subcommittee: Nomenclature of the micas	267
1997 Mineralogical Society — Schlumberger Award	281
1997 Mineralogical Society Max Hey Medal	283
Obituaries	287
Book Reviews	291

