

CONTENTS OF No. 393, DECEMBER 1994

	Page
<i>Petrology and Geochemistry</i>	
J. T. TEMPLE and J. N. WALSH: Use of element–mineral correlations to investigate fractionation of rare earth elements in fine-grained sediments	533
SHAO-YONG JIANG, M. R. PALMER, CHUN-JI XUE and YAN-HE LI: Halogen-rich scapolite-biotite rocks from the Tongmugou Pb-Zn deposit, Qinling, northwestern China: implications for the ore-forming processes	543
M. BARBIERRI, A. CAGGIANELLI, M. R. DI FLORIO and S. LORENZONI: Plagiogranites and gabbroic rocks from the Mingora ophiolitic mélange, Swat Valley, NW Frontier Province, Pakistan	553
H. LIU and L. L. Y. CHANG: Phase relations in the system PbS–PbSe–PbTe	567
<i>Mineralogy</i>	
G. R. OLIVO, M. GAUTHIER and M. BARDOUX: Palladian gold from the Cauê iron mine, Itabira District, Minas Gerais, Brazil	579
R. V. FODOR, R. S. JACOBS and G. R. BAUER: Hollandite in Hawaiian basalt: a relocation site for weathering-mobilized elements	589
I. E. GREY, J. A. WATTS and P. BAYLISS: Mineralogical nomenclature: pseudorutile revalidated and neotype given	597
K. SHINODA and N. AIKAWA: Absorption coefficients of overtone and combination modes of quartz	601
G. C. PARODI, G. D. VENTURA, A. MOTTANA and M. RAUDSEPP: Zr-rich non metamict perrierite-(Ce) from holocrystalline ejecta in the Sabatini volcanic complex (Latium, Italy)	607
G. ARTIOLI and H. FOY: Gobbinsite from Magheramorne Quarry, Northern Ireland	615
K. SHIRAIISHI, T. OBA, M. SUZUKI and K. SHIKAWA: Subsiliicic magnesian potassium-hastingsite from the Prince Olav Coast, East Antarctica	621
C. C. WILSON: Structural studies of schultenite in the temperature range 125–324 K by pulsed single crystal neutron diffraction — hydrogen ordering and structural distortions	629
W. D. BIRCH, A. PRING, D. J. M. BEVAN and KHARISUN: Wycheproofite: a new hydrated sodium aluminium zirconium phosphate from Wycheproof, Victoria, Australia, and a new occurrence of kosnarite	635
J. M. BIGHAM, L. CARLSON and E. MURAD: Schwertmannite, a new iron oxyhydroxysulphate from Pyhäsalmi, Finland, and other localities	641
H. MIURA, K. NIIDA and T. HIRAMA: Mikasaite, $(\text{Fe}^{3+}, \text{Al})_2(\text{SO}_4)_3$, a new ferric sulphate mineral from Mikasa city, Hokkaido, Japan	649
E. ALIETTI, M. F. BRIGATTI, S. CAPEDEI and L. POPPI: The roedderite–chayesite series from Spanish lamproites: crystal-chemical characterization	655
G. GIESTER and B. RIECK: Effenbergerite, $\text{BaCu}[\text{Si}_4\text{O}_{10}]$, a new mineral from the Kalahari Manganese Field, South Africa: description and crystal structure	663
Y. KAWACHI, P. M. ASHLEY, D. VINCE and M. GOODWIN: Sugilite in manganese silicate rocks from the Hoskins mine and Woods mine, New South Wales, Australia	671
<i>Short Communications</i>	
J. E. TAGGART, JR., E. E. FOORD and J. E. SHIGLEY: Chemical composition and structural formula of manganooan sugilite from the Wessels Mine, Republic of South Africa	679
E. FRITSCH and J. E. SHIGLEY: Causes of the purple and pink colours of manganooan sugilites from the Wessels mine, South Africa	681
J. A. MANDARINO: New minerals recently approved by the Commission on New Minerals and Mineral Names, International Mineralogical Association	687
<i>Obituary</i>	693
<i>Book Reviews</i>	695
Alphabetical Index	703
Book Reviews Index	710

*Typeset by Westfield Typesetting, North Walsham, Norfolk
Printed by Black Bear Press Limited, Cambridge, England*