

CONTENTS OF No. 396, SEPTEMBER 1995

	<i>page</i>
<i>Geochemistry</i>	
N. S. ANGUS and R. KANARIS-SOTIRIOU: Adinoles revisited: hydrothermal Na(Ca)-metasomatism of pelite screens adjacent to tholeiitic dykes in the Dublin terrane, Ireland	367
G. V. ALBINO: Sodium metasomatism along the Melones Fault Zone, Sierra Nevada Foothills, California, USA	383
A. F. COOPER, L. A. PATERSON and D. L. REID: Lithium in carbonatites – consequence of an enriched mantle source?	401
<i>Petrology</i>	
U. MUES-SCHUMACHER, J. KELLER, V. KONOVA and P. SUDDABY: Petrology and age determinations of the ultramafic (lamproitic) rocks from the Yakokut complex, Aldan Shield, Eastern Siberia	409
D. C. ARMSTRONG: Acid sulphate alteration in a magmatic hydrothermal environment, Barton Peninsula, King George Island, Antarctica	429
<i>Mineralogy</i>	
V. P. SEMENENKO and A. L. GIRICH: Mineralogy of a unique graphite-containing fragment in the Krymka chondrite (LL3)	443
G. RIBEIRO OLIVO and M. GAUTHIER: Palladium minerals from the Cauê iron mine, Itabira District, Minas Gerais, Brazil	455
R. R. COENRAADS, P. VICHIT and F. L. SUTHERLAND: An unusual sapphire–zircon–magnetite xenolith from the Chanthaburi Gem Province, Thailand	465
M. E. BÖTTCHER: The formation of rhodochrosite–smithsonite ($MnCO_3$ – $ZnCO_3$) solid-solutions at 5°C	481
T. AGATA and M. ADACHI: Ilvaite from a serpentinized peridotite in the Asama igneous complex, Mikabu greenstone belt, Sambagawa metamorphic terrain, central Japan	489
J. V. OWEN and J. D. GREENOUGH: Influence of the mode and distribution of garnet and biotite on Grt–Bt thermometry: evidence from a single-sample case study	497
F. D. L. WALKER, M. R. LEE and I. PARSONS: Micropores and micropermeable texture in alkali feldspars: geochemical and geophysical implications	505
G. FERRARIS, A. PAVESE and S. V. SOBOLEVA: Tungusite: new data, relationship with gyrolite and structural model	535
C. HENMI: Kusachiite, $CuBi_2O_4$, a new mineral from Fuka, Okayama Prefecture, Japan	545
I. KUSACHI, C. HENMI and S. KOBAYASHI: Takedaite, a new mineral from Fuka, Okayama Prefecture, Japan	549
S. A. WILLIAMS and F. P. CESBRON: Wupatkiite from the Cameron Uranium District, Arizona, a new member of the halotrichite group	553
<i>Short Communications</i>	
E. MURAD, J. D. CASHION, C. NOBLE and J. R. PILBROW: The chemical state of Fe in rutile from an albitite in Norway	557
J. KELLER, C. T. WILLIAMS and U. KOBERSKI: Niocalite and wöhlerite from the alkaline and carbonatite rocks at Kaiserstuhl, Germany	561
J. A. K. TAREEN, A. V. K. PRASAD and A. V. GANESHA: The effect of fluorine and titanium on the vapour-absent melting of phlogopite and quartz	566
R. J. BOWELL: Erratum	570
<i>Mineralogical Note</i>	
D. H. M. ALDERTON and D. MITCHELL: Gratonite from the Isle of Man	573
<i>Awards</i>	
1994 Mineralogical Society–Schlumberger Award	575
1994 Max Hey Medal	577
<i>Book Reviews</i>	
Typeset by Westfield Typesetting, North Walsham, Norfolk	
Printed by Black Bear Press Limited, Cambridge, England	