

CONTENTS OF No. 399, APRIL 1996

	<i>page</i>
<i>Halogen Mineralogy and Geochemistry</i>	
A. D. EDGAR, L. A. PIZZOLATO and J. SHEEN: Fluorine in igneous rocks and minerals with emphasis on ultrapotassic mafic and ultramafic magmas and their mantle source regions	243
R. H. WORDEN: Controls on halogen concentrations in sedimentary formation waters	259
W. EDMUND: Bromine geochemistry of British groundwaters	275
P. J. TRELOAR and H. COLLEY: Variations in F and Cl contents in apatites from magnetite–apatite ores in northern Chile, and their ore-genetic implications	285
<i>Petrology</i>	
GU LIANXING and F. M. VOKES: Intergrowths of hexagonal and monoclinic pyrrhotites in some sulphide ores from Norway	303
R. A. IXER, B. YOUNG, and C. J. STANLEY: Bismuth-bearing assemblages from the Northern Pennine Orefield	317
<i>Geochemistry</i>	
S. BOULT: Fluvial metal transport near sources of acid mine-drainage: relationships of soluble, suspended and deposited metal	325
<i>Experimental</i>	
J. A. DALTON and F. G. F. GIBB: Temperature gradients in large cold-seal pressure vessels	337
<i>Mineralogy</i>	
A. YA. MEDVEDEV: Synthetic armalcolite and pseudobrookite	347
S. CARBONIN, U. RUSSO and A. DELLA GIUSTA: Cation distribution in some natural spinels from X-ray diffraction and Mössbauer spectroscopy	355
Y. KAWACHI, D. S. COOMBS and H. MIURA: Noélbensonite, a new BaMn silicate of the lawsonite structure type, from Woods mine, New South Wales, Australia	369
<i>Short Communications</i>	
P. NIMIS, G. MOLIN and D. VISONÀ: Crystal chemistry of danalite from Daba Shabeli Complex (N Somalia)	375
K. LINTHOUT and W. J. LUSTENHOUWER: Subsilicic sodium gedrite in leptite of quartz keratophyric origin: Nordmark (Sweden)	379
E. E. FOORD: Clinobisvanite, eulytite, and namibite from the Pala pegmatite district, San Diego Co., California, USA	387
<i>Book Reviews</i>	389

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