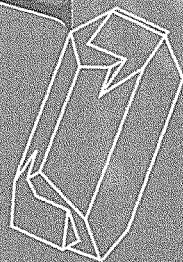


Mineral Sciences



MINERALOGICAL MAGAZINE

CONTENTS

Letters

H. J. FÖRSTER and D. E. HARLOV:

Monazite-(Ce)-huttonite solid solutions in granulite-facies metabasites from the Ivrea-Verbano Zone, Italy 587

L. TOSCANI:

Magmatic gold grains in the El Tale lamproite, Fortuna, SE Spain 595

R. M. DAVIES, S. Y. O'REILLY and W. L. GRIFFIN:

Diamonds from Wellington, NSW: insights into the origin of eastern Australian diamonds 447

M. J. GENGE and M. M. GRADY:

Unequilibrated assemblages of sulphide, metal and oxide in the fusion crusts of the enstatite chondrite meteorites 473

S. W. FARYAD and G. HOINKES:

Two contrasting mineral assemblages in the Meliata blueschists, Western Carpathians, Slovakia 489

P. MITROPOULOS, A. KATERINOPOULOS and A. KOKKINAKIS:

Occurrence of primary almandine-spessartine-rich garnet and zinnwaldite phenocrysts in a Neogene rhyolite on the island of Chios, Aegean Sea, Greece 503

P. W. U. APPEL and M. F. BRIGATTI:

Ludwigite from central Sweden: new data and crystal structure refinement 511

continued on back cover

August 1999

VOL. 63, No.4

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

MINERALOGICAL MAGAZINE

CONTENTS CONTD.

- A. R. CHAKHMOURADIAN, R. H. MITCHELL, A. V. PANKOV and
N. V. CHUKANOV:
Loparite and 'metalloparite' from the Burpala alkaline complex,
Baikal Alkaline Province (Russia) 519
- E. RODA ROBLES, A. PESQUERA PEREZ, F. VELASCO ROLDAN and F. FONTAN:
The granitic pegmatites of the Fregeneda area (Salamanca, Spain):
characteristics and petrogenesis 535
- K. E. R. ENGLAND, J. M. CHARNOCK, R. A. D. PATRICK and
D. J. VAUGHAN:
Surface oxidation studies of chalcopyrite and pyrite by
glancing-angle X-ray absorption spectroscopy (REFLEXAFS) 559
- M. NASRAOUI, E. BILAL and R. GIBERT:
Fresh and weathered pyrochlore studies by Fourier transform
infrared spectroscopy coupled with thermal analysis 567
- XIAOCHUN LIU, SHUWEN DONG, HUIJIA MIN XUE and JIANXIONG ZHOU:
Significance of allanite-(Ce) in granitic gneisses from the
ultrahigh-pressure metamorphic terrane, Dabie Shan, central
China 579
- 1998 Mineralogical Society Medals 603
- Book Reviews 601

TYPESET BY WESTFIELD TYPESETTING, NORTH WALSHAM, NORFOLK

PRINTED BY BLACK BEAR PRESS LIMITED, CAMBRIDGE, ENGLAND