

CLAY MINERALS

VOLUME 32, NUMBER 4, DECEMBER 1997

CONTENTS

J. C. Baker. Green ferric clay in non-marine sandstones of the Rewan Group, southern Bowen Basin, Eastern Australia	499
J. M. Gutiérrez-Mas, A. López-Galindo and F. López-Aguayo. Clay minerals in recent sediments of the continental shelf and the Bay of Cádiz (SW Spain)	507
A. Sánchez Bellón, Ch. Mosser, J. P. Moral Cardona, C. Roquin and E. Sebastián Pardo. Contribution of multivariate geochemical analysis and mineralogical study in the characterization of sediments: the Miocene-Pliocene boundary in the Sorbas Basin (SE Spain)	517
D. Righi, M. L. Räisänen and F. Gillot. Clay mineral transformations in podzolized tills in central Finland	531
R. Naidu, R. J. Morrison, L. Janik and M. Asghar. Clay mineralogy and surface charge characteristics of basaltic soils from Western Samoa	545
L. P. Meier and A. P. Menegatti. A new, efficient, one-step method for the removal of organic matter from clay-containing sediments	557
C. W. Childs, K. Inoue, H. Seyama, M. Soma, B. K. G. Theng and G. Yuan. X-ray photoelectron spectroscopic characterization of Silica Springs allophane	565
H. Graf v. Reichenbach and J. Beyer. Dehydration and rehydration of vermiculites: III. Phlogopitic Sr- and Ba-vermiculite	573
R. L. Frost, T. H. Tran and J. Kristof. The structure of an intercalated ordered kaolinite — a Raman microscopy study	587
Ph. Refait and J.-M. R. Génin. Mechanisms of oxidation of Ni(II)-Fe(II) hydroxides in chloride-containing aqueous media: role of the pyroaurite-type Ni-Fe hydroxychlorides	597
A. S. Campbell, U. Schwertmann and P. A. Campbell. Formation of cubic phases on heating ferrihydrite	615
M. Janek, P. Komadel and G. Lagaly. Effect of autotransformation on the layer charge of smectites determined by the alkylammonium method	623
F. Kooli and W. Jones. Characterization and catalytic properties of a saponite clay modified by acid activation	633
S. Nishihama, H. Yamada and H. Nakazawa. Polymerization of tetramethylcyclotetrasiloxane monomer by ion-exchanged montmorillonite catalysts	645
D. Garfinkel-Shweky and S. Yariv. Metachromasy in clay-dye systems: the adsorption of acridine orange by Na-saponite	653
K. Bahranowski, J. Janas, T. Machej, E. M. Serwicka and L. A. Vartikian. Vanadium-doped titania-pillared montmorillonite clay as a catalyst for selective catalytic reduction of NO by ammonia	665
<i>Book Review</i>	673
<i>Referees for Volume 32</i>	675
<i>Forthcoming Papers</i>	676
<i>Announcement</i>	677
<i>Alphabetical Index</i>	679

ISSN 0009-8558

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