

CLAY MINERALS

VOLUME 26, NUMBER 3, SEPTEMBER 1991

CONTENTS

R. M. TAYLOR, H. C. B. HANSEN, G. STANGER and C. BENDER KOCH. On the genesis and composition of natural pyroaurite	297
H. C. B. HANSEN and R. M. TAYLOR. The use of glycerol intercalates in the exchange of CO_3^{2-} with SO_4^{2-} , NO_3^- or Cl^- in pyroaurite-type compounds	311
J. L. MARTIN DE VIDALES, M. POZO, J. M. ALIA, F. GARCIA-NAVARRO and F. RULL. Kerolite-stevensite mixed-layers from the Madrid Basin, Central Spain	329
C. BÜHMANN and P. L. C. GRUBB. A kaolin-smectite interstratification sequence from a red and black complex	343
H. YAMADA, H. NAKAZAWA, K. YOSHIOKA and T. FUJITA. Smectites in the montmorillonite-beidellite series	359
E. PATERSON and D. R. CLARK. Pressure-induced cation exchange in bentonite/laponite mixtures	
M. D. RUIZ CRUZ and L. MORENO REAL. Practical determination of allophane and synthetic alumina and iron oxide gels by X-ray diffraction	377
M. ORTEGA-HUERTAS, I. PALOMO, M. MORESI and M. ODDONE. A mineralogical and geochemical approach to establishing a sedimentary model in a passive continental margin (Subbetic Zone, Betic Cordilleras, SE Spain)	389
M. ROBERT, M. HARDY and F. ELSASS. Crystallochemistry, properties and organization of soil clays derived from major sedimentary rocks in France	409
Notes	
V. C. FARMER, W. J. MCHARDY, F. PALMIERI, A. VIOLANTE and P. VIOLANTE. Stability of a synthetic proto-phylosilicate allophane relative to bayerite, based on the equilibrium $\text{Si}(\text{OH})_4$ concentration	421
R. M. CORNELL. Simultaneous incorporation of Mn, Ni and Co in the goethite ($\alpha\text{-FeOOH}$) structure	427
M. STOCKMEYER and K. KRUSE. Adsorption of Zn and Ni ions and phenol and diethylketones by bentonites of different organophilicities	431
K. KITAJIMA, S. TARUTA and N. TAKUSAGAWA. Effects of layer charge on the IR spectra of synthetic fluorine micas	435
T. MIZUTANI, Y. FUKUSHIMA, A. OKADA and O. KAMIGAITO. Hydrothermal synthesis of sepiolite	441
Book Review	447
Forthcoming Papers	448

ISSN 0009-8558

*Typeset and printed by
Black Bear Press Limited, Cambridge, England*