

CLAY MINERALS

VOLUME 29, NUMBER 2, JUNE 1994

CONTENTS

D. W. OSCARSON. Comparison of measured and calculated diffusion coefficients for iodide in compacted clays	145
J. T. KLOPROGGE, E. BOOY, J. B. H. JANSEN and J. W. GEUS. The effect of thermal treatment on the properties of hydroxy-Al and hydroxy-Ga pillared montmorillonite and beidellite	153
A. AKELAH, P. KELLY, S. QUTUBUDDIN and A. MOET. Synthesis and characterization of 'epoxyphilic' montmorillonites	169
C. BREEN and B. ROCK. The competitive adsorption of methylene blue on to montmorillonite from binary solution with thioflavin T, proflavine and acridine yellow. Steady state and dynamic studies	179
B. CASAL, P. ARANDA, J. SANZ and E. RUIZ-HITZKY. Interlayer adsorption of macrocyclic compounds (crown-ethers and cryptands) in 2:1 phyllosilicates: II. Structural features	191
M. MÜLLER-VONMOOS, G. KAHR and F. T. MADSEN. Intracrystalline swelling of mixed-layer illite-smectite in K-bentonites	205
E. PATERSON, R. SWAFFIELD and L. CLARK. The influence of structure on Ba and K uptake by a synthetic phyllosilicate	215
D. ROBINSON and R. E. BEVINS. Mafic phyllosilicates in low-grade metabasites. Characterization using deconvolution analysis	223
C. BÜHMANN. Parent material and pedogenic processes in South Africa	239
F. VAN OORT, A. G. JONGMANS and A. M. JAUNET. The progression from optical light microscopy to transmission electron microscopy in the study of soils	247
M. SUAREZ, M. ROBERT, F. ELSASS and J. M. MARTIN POZAS. Evidence of a precursor in the neoformation of palygorskite—new data by analytical electron microscopy	255
J. H. KIRKMAN and R. C. WALLACE. Palygorskite in the regolith from the Mokau District, North Island, New Zealand	265
M. RODAS, F. J. LUQUE, R. MAS and M. G. GARZON. Calcretes, palycretes and silcretes in the Paleogene detrital sediments of the Duero and Tajo Basins, Central Spain	273
J. ROCHA and J. D. PEDROSA DE JESUS. ^{27}Al satellite transition MAS-NMR spectroscopy of kaolinite	287
Notes	
M. HAGIWARA. A method of specimen preparation for electron microscope observation of allophane particles	293
J. CUADROS, F. HUERTAS, A. DELGADO and J. LINARES. Determination of hydration (H_2O^-) and structural (H_2O^+) water for chemical analysis of smectites. Application to Los Trancos smectites, Spain	297
Book Review	301
Forthcoming Papers	304

ISSN 0009-8558

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