

CLAY MINERALS
VOLUME 29, NUMBER 3, SEPTEMBER 1994

CONTENTS

R. H. NEWMAN, C. W. CHILDS and G. J. CHURCHMAN. Aluminium coordination and structural disorder in halloysite and kaolinite by ^{27}Al NMR spectroscopy	305
J.-P. D'ESPINOSE DE LA CAILLERIE and J. J. FRIPAT. A reassessment of the ^{29}Si MAS-NMR spectra of sepiolite and aluminated sepiolite	313
J. MADEJOVÁ, P. KOMADEL and ČÍČEL. Infrared study of octahedral site populations in smectites	319
H. GRAF V. REICHENBACH and J. BEYER. Dehydration and rehydration of vermiculites: I. Phlogopitic Mg-vermiculite	327
H. C. B. HANSEN, T. P. WETCHE, K. RAULUND-RASMUSSEN and O. K. BORGGAARD. Stability constants for silicate adsorbed to ferrihydrite	341
A. VIOLANTE and P. M. HUANG. Identification of pseudoboehmite in mixtures with phyllosilicates	351
M. A. VICENTE RODRIGUEZ, J. DE D. LOPEZ GONZALEZ and M. A. BAÑARES MUÑOZ. Acid activation of a Spanish sepiolite: physico-chemical characterization, free silica content and surface area of products obtained	361
V. ŠUCHA, I. KRAUS and J. MADEJOVÁ. Ammonium illite from anchimetamorphic shales associated with anthracite in the Zemplinicum of the western Carpathians	369
J. C. MATTHEWS, B. VELDE and H. JOHANSEN. Significance of K-Ar ages of authigenic illitic clay minerals in sandstones and shales from the North Sea	379
B. BAULUZ LAZARO, C. ARENAS ABAD, C. FERNANDEZ-NIETO and J. M. GONZALEZ LOPEZ. Mineralogy and geochemistry of Miocene deposits at Alcubierre Sierra, central sector of the Ebro Basin, Spain	391
Note	
K. KHATIB, J. Y. BOTTERO, C. H. PONS, J. P. URIOT and C. ANSELME. Swelling and order versus disorder of dimethyldioctadecylammonium-montmorillonite in the presence of water and methanol	401
Book Reviews	405
Announcement	411
Forthcoming Papers	412

ISSN 0009-8558

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