

CLAY MINERALS

VOLUME 27, NUMBER 1, MARCH 1992

CONTENTS

Obituary—Georges Millot	1
H. STANJEK, E. A. NIEDERBUDE and W. HÄUSLER. Improved evaluation of layer charge of <i>n</i> -alkylammonium-treated fine soil clays by Lorentz- and polarization-correction and curve-fitting	3
R. ROMERO, M. ROBERT, F. ELSASS and C. GARCIA. Evidence by transmission electron microscopy of weathering microsystems in soils developed from crystalline rocks	21
R. ROMERO, M. ROBERT, F. ELSASS and C. GARCIA. Abundance of halloysite neoformation in soils developed from crystalline rocks. Contribution of transmission electron microscopy	35
M. HARDY. X-ray diffraction measurement of the quartz content of clay and silt fractions in soils	47
R. J. POLLARD, C. M. CARDILE, D. G. LEWIS and L. J. BROWN. Characterization of FeOOH polymorphs and ferrihydrite using low-temperature, applied-field, Mössbauer spectroscopy	57
R. J. COOK. A comparison of methods for the extraction of smectites from calcareous rocks by acid dissolution techniques	73
J. MAZA-RODRIGUEZ, P. OLIVERA-PASTOR, S. BRUQUE and A. JIMENEZ-LOPEZ. Exchange selectivity of lanthanide ions in montmorillonite	81
R. A. SCHOONHEYDT and L. HEUGHEBAERT. Clay adsorbed dyes: methylene blue on Laponite	91
A. J. AZNAR, B. CASAL, E. RUIZ-HITZKY, I. LOPEZ-ARBELOA, F. LOPEZ-ARBELOA, J. SANTAREN and A. ALVAREZ. Adsorption of methylene blue on sepiolite gels: spectroscopic and rheological studies	101
B. SIFFERT and A. NAIDJA. Stereoselectivity of montmorillonite in the adsorption and deamination of some amino acids	109
M. MURAT, A. AMOKRANE, J. P. BASTIDE and L. MONTANARO. Synthesis of zeolites from thermally activated kaolinite. Some observations on nucleation and growth	119
Book Reviews	131
Forthcoming Papers	135

ISSN 0009-8558

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