

# CLAY MINERALS

VOLUME 16, NUMBER 1, MARCH 1981

## CONTENTS

G. LAGALY. Characterization of clays by organic compounds	1
C. H. PONS, F. ROUSSEAU et D. TCHOUBAR, Utilisation du rayonnement synchrotron en diffusion aux petits angles pour l'étude du gonflement des smectites: I. Etude du système eau-montmorillonite-Na en fonction de la température	23
F. MACÍAS VAZQUEZ. Formation of gibbsite in soils and saprolites of temperate-humid zones	43
H. SUQUET, C. MALARD, E. COPIN et H. PEZERAT. Variation du paramètre $b$ et de la distance basale $d_{001}$ dans une série de saponites à charge croissante: I. Etats hydratés	53
A. H. CUTTLER. Further studies of a ferrous iron doped synthetic kaolin: dosimetry of X-ray induced effects	69
M. F. BRIGATTI and L. POPPI. A mathematical model to distinguish the members of the dioctahedral smectite series	81
T. MATSUDA, K. NAGASAWA, Y. TSUZUKI and K. HENMI. Regularly interstratified dioctahedral mica-smectite from Roseki deposits in Japan	91
J. DE D. LÓPEZ-GONZÁLEZ, A. RAMÍREZ-SÁENZ, F. RODRÍGUEZ-REINOSO, C. VALENZUELA-CALAHORRO y L. ZURITA-HERRERA. Activación de una sepiolita con disoluciones diluidas de $\text{NO}_3\text{H}$ y posteriores tratamientos térmicos: I. Estudio de la superficie específica	103
F. ANNABI-BERGAYA, M. I. CRUZ, L. GATINEAU and J. J. FRIPIAT. Adsorption of alcohols by smectites: IV. Models	115
Principal Editor's notes	123

PUBLISHED FOR THE MINERALOGICAL SOCIETY  
41 QUEEN'S GATE, LONDON SW7 5HR  
BY BLACKWELL SCIENTIFIC PUBLICATIONS  
OSNEY MEAD, OXFORD OX2 0EL

Printed in Great Britain by Express Litho Service (Oxford).