

CLAY MINERALS

VOLUME 25, NUMBER 4, DECEMBER 1990

CONTENTS

L. ZEVIN and W. VIAENE. Impact of clay particle orientation on quantitative clay diffractometry	401
B. A. SAKHAROV, G. BESSON, V. A. DRITS, M. YU. KAMENEVA, A. L. SALYN and B. B. SMOLIAR. X-ray study of the nature of stacking faults in the structure of glauconites	419
R. T. TETTENHORST, C. E. CORBATO and R. I. HALLER. The I-S contact in 10 Å-17 Å interstratified clay minerals	437
S. TEVELDAL, P. JØRGENSEN and A. O. STUANES. Long-term weathering of silicates in a sandy soil at Nordmoen, southern Norway	447
D. C. BAIN, A. MELLOR and M. J. WILSON. Nature and origin of an aluminous vermiculitic weathering product in acid soils from upland catchments in Scotland	467
G. S. ODIN. Clay mineral formation at the continent-ocean boundary: the verdine facies	477
J. M. TRILLO, J. POYATO, M. M. TOBIAS and M. A. CASTRO. Sorption of water vapour by M-montmorillonite (M = Na, Li, La)	485
G. KAHR, F. KRAEHEBUEHL, H. F. STOECKLI and M. MULLER-VONMOOS. Study of the water-bentonite system by vapour adsorption, immersion calorimetry and X-ray techniques: II. Heats of immersion, swelling pressures and thermodynamic properties	499
M. H. EBINGER and D. G. SCHULZE. The influence of pH on the synthesis of mixed Fe-Mn oxide minerals	507
M. J. PEARSON. Clay mineral distribution and provenance in Mesozoic and Tertiary mudrocks of the Moray Firth and northern North Sea	519
Book Reviews	543
Forthcoming Papers	546
Announcement	547

ISSN 0009-8558

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