

CLAY MINERALS

VOLUME 13, NUMBER 1, MARCH 1978

CONTENTS

PIERRE CHASSIN, BRIGITTE LE BERRE et NORIO NAKAYA. Influence des substances humiques sur les propriétés des argiles. IV. Hydratation des associations montmorillonite acides humiques	1
G. W. BRINDLEY and HSIEN-MING WAN. The 14 Å phase developed in heated dickites	17
KLAUS VOGT und HEINRICH M. KÖSTER. Zur Mineralogie, Kristallchemie und Geochemie einiger Montmorillonite aus Bentoniten	25
JESUS SANZ, JACQUES MEYERS, LÉON VIELVOYE and WILLIAM E. E. STONE. The location and content of iron in natural biotites and phlogopites: a comparison of several methods	45
P. D. CRADWICK and M. J. WILSON. Calculated X-ray diffraction curves for the interpretation of a three-component interstratified system	53
B.-M. WILKE, U. SCHWERTMANN and E. MURAD. An occurrence of polymorphic halloysite in granite saprolite of the Bayerischer Wald, Germany	67
A. MONACO et J. N. VALETTE. Étude des produits d'altération fumerollienne et météorique a Vulcano (Iles Éoliennes, Italie)	79
J. I. PITMAN. Chemistry and mineralogy of some Lower and Middle Chalks from Givendale, East Yorkshire	93
C. V. JEANS. Silicifications and associated clay assemblages in the Cretaceous marine sediments of southern England	101
Note	
IQBAL BAJWA and DAVID JENKINS. A technique for the preparation of clay samples on ceramic slides for X.R.D.A. using pressure	127
Book Review	132

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

Printed and bound in Great Britain at the Alden Press, Oxford