

CLAY MINERALS

VOLUME 19, NUMBER 4, SEPTEMBER 1984

CONTENTS

- D. CRAW. Ferrous-iron-bearing vermiculite–smectite series formed during alteration of chlorite to kaolinite, Otago Schist, New Zealand 509
- D. G. SCHULZE and U. SCHWERTMANN. The influence of aluminium on iron oxides: X. Properties of Al-substituted goethites
- V. A. DRITS, A. PLANCON, B. A. SAKHAROV, G. BESSON, S. I. TSIPURSKI and C. TCHOUBAR. Diffraction effects calculated for structural models of K-saturated montmorillonite containing different types of defects 541
- C. DE LA CALLE, A. PLANCON, C. H. PONS, J. DUBERNAT, H. SUQUET et H. PEZERAT. Mode d'empilement des feuillets dans la vermiculite sodique hydratée à une couche (phase à 11.85 Å) 563
- T. PETERS and B. HOFMAN. Hydrothermal clay mineral formation in a biotite-granite in northern Switzerland 579
- R. M. TAYLOR. The rapid formation of crystalline double hydroxy salts and other compounds by controlled hydrolysis 591
- T. DUPUIS, J. DUCLOUX, P. BUTEL et D. NAHON. Etude par spectrographie infrarouge d'un encrouement calcaire sous galet. Mise en évidence et modelisation expérimentale d'une suite minérale évolutive à partir de carbonate de calcium amorphe 605
- P. ESPIAU et G. PEDRO. Comportement des ions aluminiques et de la silice en solution. Etude de la formation de la kaolinite 615
- P. QUANTIN, A. J. HERBILLON, C. JANOT et G. SIEFFERMAN. L' "halloysite" blanche riche en fer de Vate (Vanuatu)—hypothèse d'un édifice interstratifié halloysite-hisingerite 629
- E. SEBASTIAN-PARDO, F. LOPEZ-AGUAYO, F. HUERTAS y F. LINARES. Las bentonitas sedimentarias de la formación fardes, Grenada, España 645
- J. M. CRIADO, A. ORTEGA, C. REAL and E. TORRES DE TORRES. Re-examination of the kinetics of the thermal dehydroxylation of kaolinite 653
- B. A. GOODMAN and J. W. STUCKI. The use of nuclear magnetic resonance (NMR) for the determination of tetrahedral aluminium in montmorillonite 663
- R. C. MACKENZIE. Constitution of and relationships among volkonskoites 669
- A. CORMA, V. FORNES, A. MIFSUD and J. PEREZ-PARIENTE. Surface acidity and catalytic activity of a modified sepiolite 673
- Book Review 677

ISSN 0009-8558

Computer typeset by SB Datagraphics. Printed in Great Britain by
Spottiswoode Ballantyne Printers Ltd.