

Clay Minerals

VOLUME 8 • NUMBER 4 • DECEMBER 1970

CONTENTS

A. C. D. NEWMAN. The synergetic effect of hydrogen ions on the cation exchange of potassium in micas	361
PAUL G. ROUXHET. Hydroxyl stretching bands in micas: a quantitative interpretation	375
B. S. NEUMANN and K. G. SANSON. The formation of stable sols from Laponite, a synthetic hectorite-like clay	389
R. GREENE-KELLY. Optical properties of organic complexes of montmorillonite	405
S. OLEJNIK, A. M. POSNER and J. P. QUIRK. The intercalation of polar organic compounds into kaolinite	421
M. J. WILSON and V. C. FARMER. A study of weathering in a soil derived from a biotite-hornblende rock	435
J. I. BIDWELL, W. B. JEPSON and G. L. TOMS. The interaction of kaolinite with polyphosphate and polyacrylate in aqueous solutions—some preliminary results	445
C. E. DAVIS, B. E. THOMPSON, W. A. TAYLOR and D. A. HOLDRIIDGE. Dickite from Job's Hill, St Mary, Jamaica	461
R. W. TANK and L. MCNEELY. Clay Minerals associated with the Precambrian Gowganda Formation of Ontario	471
D. DOLLIMORE, G. R. HEAL and T. A. HORRIDGE. The differential thermal analysis of flocculated clay samples	479
Notes	
K. WADA, N. YOSHINAGA, H. YOTSUMOTO, K. IBE and S. AIDA. High resolution electron micrographs of imogolite	487
J. QUAKERNAAT. A new occurrence of a macrocrystalline form of saponite	491

BLACKWELL SCIENTIFIC PUBLICATIONS
OXFORD AND EDINBURGH

Printed in Great Britain by Willmer Brothers Limited, Birkenhead