

# CLAY MINERALS

VOLUME 18, NUMBER 4, DECEMBER 1983

## CONTENTS

<b>EDITORIAL</b>	345
J. A. BALLANTINE, J. H. PURNELL and J. M. THOMAS. Organic reactions in a clay microenvironment.	347
D. T. B. TENNAKON, R. SCHLOGL, T. RAYMENT, J. KLINOWSKI, W. JONES and J. M. THOMAS. The characterization of clay-organic systems.	357
S. BURCHILL, P. L. HALL, R. HARRISON, M. H. B. HAYES, J. I. LANGFORD, W. R. LIVINGSTONE, R. J. SMEDLEY, D. K. ROSS and J. J. TUCK. Smectite-polymer interactions in aqueous systems.	373
T. JONES. Properties and industrial uses of clays which swell in organic solvents.	394
J. M. ADAMS, T. V. CLAPP and D. E. CLEMENT. Catalysis by montmorillonites.	411
M. P. ATKINS, D. J. H. SMITH and D. J. WESTLAKE. Montmorillonite catalysts for ethylene hydration.	423
R. GREGORY, D. J. H. SMITH and D. J. WESTLAKE. The production of ethyl acetate from ethylene and acetic acid using clay catalysts.	431
A. CORNELIS, P. LASZLO and P. PENNETREAU. Some organic syntheses with clay-supported reagents.	432
R. FAHN and K. FENDERL. Reaction products of organic dye molecules with acid-treated montmorillonite.	447
V. C. FARMER, M. J. ADAMS, A. R. FRASER and F. PALMIERI. Synthetic imogolite: properties, synthesis and possible applications.	459

ISSN 0009-8558

*Printed and bound in Great Britain by Spottiswoode Ballantyne Limited,  
Colchester and London*