Clays and Clay Minerals

Volume 49 Number 3 June 2001

Contents

Mica Structure and Fibrous Growth of Illite
Necip Güven

189

Unusual X-ray Characteristics of Vermiculite from Wiry, Lower Silesia, Poland
Boris A. Sakhro, Elzbieta Dubirska, Pawel Bylina and Grzegorz Kapron

197

Formation and Growth of Smeectites in Bentonites: A Case Study from Kimlos Island, Aegean, Greece
George E. Christidis

204

Nordstrandite in Bauxite derived from Phonolite, Lages, Santa Catarina, Brazil
Norberto Dani, Milton Luiz Laquentinie Formoso, Alain Decarreau and Alain Meunier

216

Clay Poluitics in Salt Extraction from Ornamental Stones: A Statistical Approach
Maria Angeles Vicente and Santiago Vicente-Taveras

227

The Relationship Between the Thermal Behavior of Clinoptilolite and its Chemical Composition
Konstantinos P. Kitsopoulos

236

Methylene Blue Interactions with Reduced-charge Smeectites
Jurai Bujdak, Marian Janek, Jana Madejova, and Peter Komadel

244

Simulations of Interlayer Methanol in Ca- and Na-saturated Montmorillonites using Molecular Dynamics
Marco Pintore, Salvatore Deiana, Pierfranco Dernotlis, Bruno Manunza, Giuseppe Baldovino Suffritti and Carlo Gessa

255

Influence of Iionic Environment and pH on the Electrokinetic Properties of Ball Clays
Carmen Galassi, Anna Luisa Costa and Paolo Pozzi

263

Effect of KCI and CaCl2 as Background Electrolytes on the Competitive Adsorption of Glyphosate and Phosphate on Goethite
Anne Louise Gimsing and Ole K. Borggaard

270

Book Review

276

Annual Sustaining Members, Patrons and Benefactors of The Clay Minerals Society

Benefactors
Southern Clay Products, Inc.

Patrons
American Colloid Company
Chevron Petroleum Technology Company
Golden Products Division of Belton Purna Company
IMERYS Pigments & Additives Group
Thiele Kaolin Company
Wyo-Ben, Inc.

Members
Burgess Pigment Company
Conoco, Inc.
ExxonMobil Upstream Research Company
H. H. Murray and Associates
Kentucky-Tennessee Clay Company
Marathon Oil Company
Oil-Dri Corporation of America
Texaco Upstream Technology
R. T. Vanderbilt Company, Inc.

Individuals
Stephen Guggenheim
Necip Güven
Phoebe Hauff
W. D. Johns
Blair Jones
Kenneth M. Towe
J. L. White

ISSN 0009-8604
CCM PA49(3):189-276 (June)