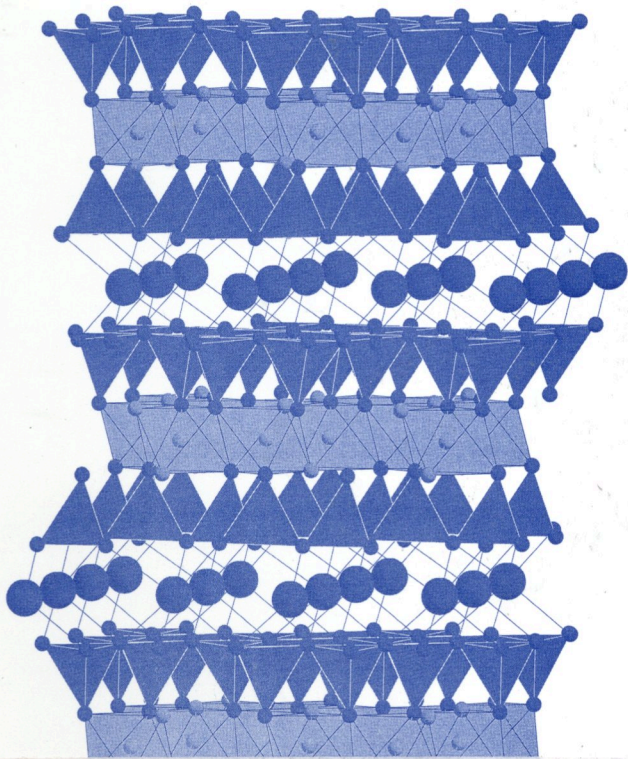


clays and clay minerals[®]



JOURNAL
OF THE
CLAY MINERALS
SOCIETY



Ref: C 2 PF 251199/03 Df: 27745139
CLAYS & CLAY MINERALS
01.10.00 Vol. 48 No. 5
0009-8604 22101144 10.01.01
LIBRIS - C2
144 BOULEVARD KRIM BELKACEM
ALGER
ALGERIE

Volume 48 Number 5 2000

Clays and Clay Minerals

Volume 48 Number 5 October 2000

Contents

A Nuclear Magnetic Resonance (NMR) and Fourier-Transform Infrared (FTIR) Study of Glycine Speciation on a Cd-Rich Montmorillonite <i>Paola Di Leo</i>	495
Effect of Phosphate on the Formation of Nanophase Lepidocrocite from Fe(II) Sulfate <i>Jesús Cumpulido, Vidal Barrón, and José Torrent</i>	503
Formation of Banded Iron-Manganese Structures by Natural Microbial Communities <i>Kazuo Tazaki</i>	511
Structural Chemistry of Fe, Mn, and Ni in Synthetic Hematites as Determined by Extended X-ray Absorption Fine Structure Spectroscopy <i>Balwant Singh, D.M. Sherman, R.J. Gilkes, M. Wells, and J.F.W. Mosselmans</i>	521
Evaluation of Acidity of Pillared Montmorillonites by Pyridine Adsorption <i>M.R. Sun Kou, S. Mendioroz, and V. Muñoz</i>	528
Geology and Characterization of Two Hydrothermal Nontronites from Weathered Metamorphic Rocks at the Uley Graphite Mine, South Australia <i>John L. Keeling, Mark D. Raven, and Will P. Gates</i>	537
Bleaching Properties of Alumina-Pillared Acid-Activated Montmorillonite <i>Polycarpos Falaras, Fani Lezou, Georgios Seiragakis, and Dimitrios Petrakis</i>	549
The Effect of Thermal Treatment on Some of the Physicochemical Properties of a Bentonite <i>Yüksel Sarıkaya, Müşerref Önal, Bülent Baran, and Tülay Alemdaroğlu</i>	557
Ion Exchange of Zeolite Na-P ₆ with Pb ²⁺ , Zn ²⁺ , and Ni ²⁺ Ions <i>Aggeliki Moirou, Aikaterini Vaxevanidou, Georgios E. Christidis, and Ioannis Paspaliaris</i>	563
Structural Transformation of 2:1 Dioctahedral Layer Silicates During Dehydroxylation-Rehydroxylation Reactions <i>Fabrice Muller, Victor Drits, Alain Plançon, and Jean-Louis Robert</i>	572
Thermal Decomposition of a Dickite-Hydrazine Intercalation Complex <i>María Dolores Ruiz Cruz and Francisco Franco</i>	586

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

Benefactors

Southern Clay Products, Inc.

Patrons

American Colloid Company
Chevron Petroleum Technology Company
Engelhard Corporation
Golden Products Division of Ralston Purina Company
IMERYS Pigments & Additives Group
Thiele Kaolin Company

Funders of the Marion L. & Chrystie M. Jackson Mid-Career Clay Scientist Award
Marion L. and Chrystie M. Jackson

Members

Burgess Pigment Company
Conoco, Inc.
ExxonMobil Upstream Research Company
Floridin Company
Kentucky-Tennessee Clay Company
H. H. Murray and Associates

Marathon Oil Company
Oil-Dri Corporation of America
Phillips Analytical
H. C. Spinks Clay Company, Inc.
Texaco, Inc.
R. T. Vanderbilt Company, Inc.
Wyo-Ben, Inc.

Individuals

Stephen Guggenheim
Necip Güven
Phoebe Hauff
W. D. Johns
Blair Jones
William F. Moll, Jr.
Kenneth M. Towe
J. L. White

ISSN 0009-8604
CCM PA48(5)495-592(October)