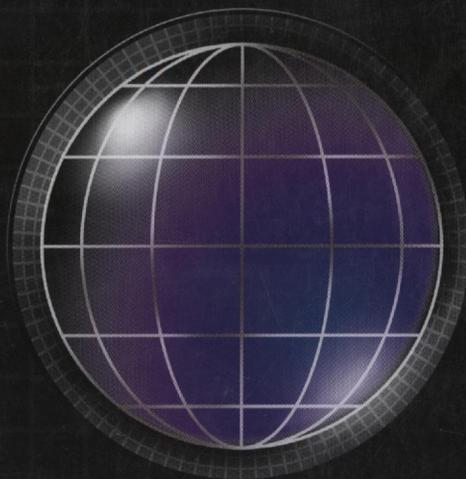
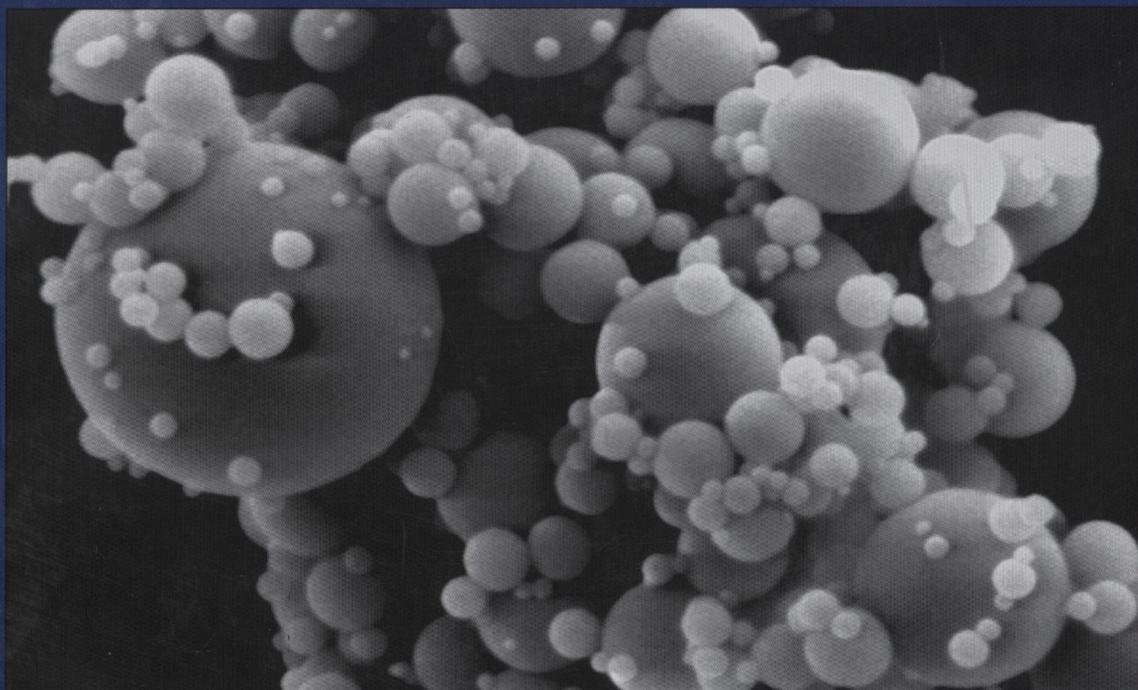
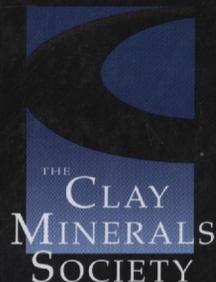


CLAYS AND CLAY MINERALS[®]



www.clays.org/journal/journal.html



Participating Publisher
GSW
www.GeoScienceWorld.org

VOLUME 57

2009

Contents

Significance of phyllosilicate mineralogy and mineral chemistry in an epithermal environment. Insights from the Palai-Islica Au-Cu deposit (Almería, SE Spain) <i>Javier Carrillo-Rosúa, Salvador Morales-Ruano, Iñaki Esteban-Arispe, and Purificación Fenoll Hach-Ali</i>	1
X-ray diffraction line-broadening study on two vibrating, dry-milling procedures in kaolinites <i>Pablo Pardo, Joaquín Bastida, Francisco J. Serrano, Rafael Ibáñez, and Marek A. Kojdecki</i>	25
Rapid and direct synthesis of spherical organotalc <i>Maguy Jaber, Fabrice O. M. Gaslain, and Jocelyne Miehé-Brendlé</i>	35
Structural characterization of (Cu ²⁺ ,Na ⁺)- and (Cu ²⁺ ,NH ₄ ⁺)-exchanged bentonites upon thermal treatment <i>Torsten Seiffarth and Christian Kaps</i>	40
Magnetic enhancement during the crystallization of ferrihydrite at 25 and 50°C <i>E. Cabello, M. P. Morales, C. J. Serna, V. Barrón, and J. Torrent</i>	46
Hydrogen bonding and vibrational spectra in kaolinite-dimethylsulfoxide and -dimethylselenoxide intercalates – a solid-state computational study <i>Eva Scholtzová and L'ubomír Smrčok</i>	54
A new massive deposit of allophane raw material in Ecuador <i>Stephan Kaufhold, Annette Kaufhold, Reinhold Jahn, Salomón Brito, Reiner Dohrmann, Rainer Hoffmann, Hartmut Gliemann, Peter Weidler, and Manfred Frechen</i>	72
Bromide-ion distribution in the interlayer of the layered double hydroxides of Zn and Al: observation of positional disorder <i>S. V. Prasanna, A. V. Radha, P. Vishnu Kamath, and S. Kannan</i>	82
Extraction of diagenetic and detrital ages and of the ⁴⁰ K _{detrital} / ⁴⁰ K _{diagenetic} ratio from K-Ar dates of clay fractions <i>Marek Szczerba and Jan Šrodoň</i>	93
Clay profiling: the classification of montmorillonites <i>Katja Emmerich, Felicitas Wolters, Guenter Kahr, and Gerhard Lagaly</i>	104
A comprehensive characterization of dioctahedral smectites <i>Felicitas Wolters, Gerhard Lagaly, Guenter Kahr, Rolf Nueesch, and Katja Emmerich</i>	115
Nomenclature for stacking in phyllosilicates: Report of the Association Internationale pour l'Etude des Argiles (AIPEA) Nomenclature Committee for 2008 <i>Stephen Guggenheim, John M. Adams, Faiza Bergaya, Maria F. Brigatti, Victor A. Drits, Milton L. L. Formoso, Emilio Galán, Toshihiro Kogure, Helge Stanjek, and Joseph Stucki</i>	134
Marilyn and Sturges W. Bailey Distinguished Member Award 2001 <i>James P. Quirk</i>	136
Forthcoming papers	138

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

Patrons

IMERYS
The Sorptive Minerals Institute (SMI)
Thiele Kaolin Company

Members

Chevron ETC
M-I Swaco
Wyo-Ben, Inc.

Individuals

Richard W. Berry
David L. Bish

John D. Bloch
Richard K. Brown
Wen-An Chiou
Michael L. Cummings
Randall T. Cygan
Ray E. Ferrell
Allanah Fitch
Will P. Gates
J. Reed Glasmann
Stephen Guggenheim
Necip Güven
Wayne Hudnall
Warren D. Huff

William D. Johns
Blair Jones
George H. Kacandes
David A. Laird
Robert H. Lander
Duane M. Moore
Joseph W. Stucki
James P. Talbot
Kenneth M. Towe
Don M. Triplehorn
Michael A. Velbel