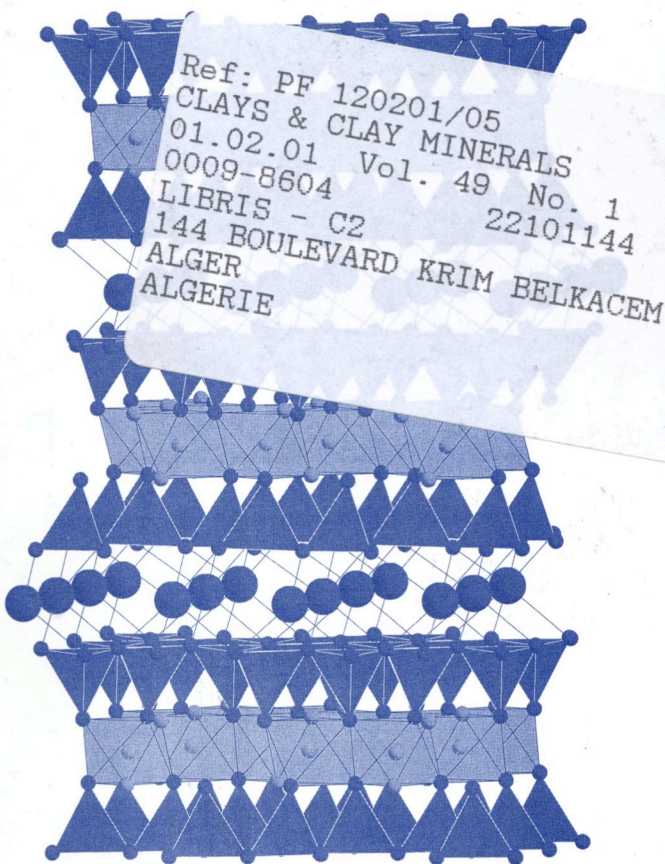


clays and clay minerals®



Ref: PF 120201/05
CLAYS & CLAY MINERALS
01.02.01 Vol. 49 No. 1
0009-8604 22101144
LIBRIS - C2
144 BOULEVARD KRIM BELKACEM
ALGER
ALGERIE

Df: 29966728

18.07.01

JOURNAL
OF THE
CLAY MINERALS
SOCIETY



Volume 49 Number 1 2001

Clays and Clay Minerals

Volume 49 Number 1 February 2001

Contents

Perturbative Theory of Mica Polytypism. Role of the M2 Layer in the Formation of Inhomogeneous Polytypes <i>Massimo Nespolo</i>	1
Three-Dimensional Crystal Structures of Illite-Smectite Minerals in Paleozoic K-Bentonites from the Appalachian Basin <i>Douglas K. McCarty and Robert C. Reynolds, Jr.</i>	24
Kübler Illite "Crystallinity" Index of the Cretaceous Gyeongsang Basin, Korea: Implications for Basin Evolution <i>Jae Il Lee and Yong Il Lee</i>	36
The Relationships Between Kaolinite Crystal Properties and the Origin of Materials for a Brazilian Kaolin Deposit <i>Angélica F. Drummond C. Varajão, Robert J. Gilkes, and Robert D. Hart</i>	44
Properties and Acid Dissolution of Metal-Substituted Hematites <i>M.A. Wells, R.J. Gilkes, and R.W. Fitzpatrick</i>	60
The Surface Chemistry of Imogolite <i>Jon Petter Gustafsson</i>	73
Vermiculitization of Phlogopite in Metagabbro, Central Turkey <i>Fatma Toksoy-Köksal, Asuman G. Türkmenoğlu, and M. Cemal Göncüoğlu</i>	81
Experimental Clay-Mineral Formation from a Subvolcanic Rock by Interaction with 1 M NaOH Solution at Room Temperature <i>A. Drief, F. Nieto, and A. Sanchez-Navas</i>	92
Distinguished Member Award	
Introduction of Victor A. Drits <i>Simon J. Tshipursky</i>	107

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 Ralston Purina Company
IMERYS Pigments & Additives Group
Thiele Kaolin Company

Members

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

Individuals

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