

The Clay Minerals Society

www.clays.org

THE PRESIDENT'S CORNER



Derek Bain

For the past few years, the Executive Committee of CMS has met in January or early February for a long-range planning meeting. This was initiated as a means of looking at longer-term issues which often do not get the attention they deserve at the other yearly meeting of the Executive Committee, held in conjunction with the annual meeting of

the Society, usually in June. Inevitably other pressing issues are discussed in order to keep the Society running smoothly, but there is a need to look to the future rather than at just the immediate day-to-day matters, and this year (2010), one of the issues on the agenda is "marketing" the Society. One of the appealing aspects of CMS is the wide variety of interests represented within the membership, but this makes it difficult to target particular areas of interest. A series of books/monographs on particular topics could be a way forward; another could be publication of a collection of the most significant papers published on an important topic. I would be pleased to hear suggestions from any members who have ideas about how best to "showcase" CMS.

I would like to remind CMS members and notify readers of *Elements* about the CMS listserver facility, available free of charge to anybody interested, not just CMS members. Operated through Purdue University, this e-mail facility is really a discussion forum and is intended to help individuals disseminate or request information and to prompt discussion among all those signed up to receive the messages. Anyone interested in taking advantage of this service should sign up at the website <http://lists.purdue.edu/mailman/listinfo/clayminerals-l>.

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Participants in the 50th anniversary celebration of the founding of the Spanish Clay Society (SEA) are pictured on the steps of the CSIC building in Madrid on 19 November 2009. Honorees and dignitaries in the front row, from right to left, are C. Gomez, S. Fiore, M. Ogawa, J. L. Perez-Rodriguez, P. Aranda (secretary, SEA), S. Nir, T. Pinnavaia, J. M. Serratosa, E. Ruiz-Hitzky (president, SEA), S. Leguey, R. Ferrell, and E. Galan.



SEVILLE

The Clay Minerals Society (CMS), the Clay Science Society of Japan (CSSJ) and the Spanish Clay Society (SEA) will hold a trilateral meeting in Spain on 6–11 June 2010 devoted to clays and clay minerals. The aim of the 2010 Trilateral Meeting on Clays (2010TMC) is to offer a warm and friendly conference that will highlight innovative

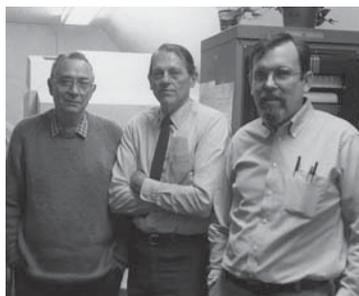
scientific and technical aspects of clays and related minerals. The 2010TMC will begin with a one-day "Workshop on Clays & Materials" to be held in Madrid, followed by a half-day field trip to the Mg-clay deposits of the region (i.e. sepiolite and smectite). The General Meeting will take place in Seville, with a field trip to the Rio Tinto Mines area (southwestern Spain). More details and forms for abstract submission and registration are available on the meeting website, www.sea-arcillas.es/2010TMC.

CMS MEMBERS AWARDED HONORARY MEMBERSHIP IN SPANISH CLAY SOCIETY

Four members of The Clay Minerals Society were recognized as honorary members of the Spanish Clay Society (SEA) during a scientific conference commemorating the 50th anniversary of the founding of the Spanish group. CMS members honored for their contributions to the field of clay science were Professors Ray E. Ferrell (Louisiana State University), Santiago Leguey (Autonomous University of Madrid), Jose L. Perez-Rodriguez (Scientific Research Council of Spain, Seville), and Thomas J. Pinnavaia (Michigan State University). Ferrell and Pinnavaia are past presidents of CMS. Other recipients of honorary membership were Professors Shlomo Nir and Arieh Singer of the Hebrew University. In 50 years, 26 clay scientists have been recognized as honorary members.

The technical meeting, presided over by Professor Eduardo Ruiz-Hitzky, president of SEA, featured more than 30 poster presentations by members of the Society and invited lectures by Professors Ferrell, Pinnavaia, and M. Ogawa (CSSJ and CMS). Honorary Members J. Serratosa and E. Galan provided personal insights on the history and development of SEA. The future holds great promise for the continued success of the Society.

MEMORIAL FOR HERBERT DAVID GLASS



Herb Glass, Dewey Moore, and Randy Hughes with a Norelco diffractometer in the background, circa 1981

Herbert (Herb) Glass passed away on August 20, 2009. In spite of some recent health setbacks, he had been doing pretty well and was in good spirits. He apparently died of cardiac arrest in his bed at age 93. He was buried on August 23, in Greensboro, North Carolina, USA.

Herb was born in Brooklyn on October 14, 1915. In his high school years he learned to love opera, and in later years he told of how he could stand in the back at the Metropolitan Opera for

\$0.50. His opinions about opera, and a number of other subjects, were always readily available. He earned a bachelor's degree in geology from New York University, where his daughter, Carol, thinks he had a swimming scholarship. This seems likely because after graduating he swam in Billy Rose's Aquacade in the 1940 World's Fair held in New York. Johnny Weismuller and Esther Williams were the initial stars, but Johnny was replaced by Buster Crabbe. Herb said he used to hang out with Buster between shows and taught him to play pinochle!

His higher education was interrupted by WW II, during which he rose from draftee to captain in the Field Artillery. Returning from the war, he finished a PhD at Columbia University under Paul Kerr. His first job out of graduate school in 1948 was with the Illinois State Geological Survey. His early work involved the differential thermal analysis of clay

and other minerals. Then, working first with Ralph Grim and Bill Bradley and later with Randy Hughes, he became one of the true pioneers of clay mineralogy. Herb ran something over 100,000 X-ray diffraction slides, in duplicate, of glacial materials from Illinois and adjoining states, and he ran all of these on the same GE diffractometer. The data from these slides are the basis for the Pleistocene stratigraphy of the Midwest, as presented in publications by Frye, Willman, and Glass, later with Myrna Killey and others. He retired from the Survey in 1987.

During his long career at the Survey, he helped many students with their thesis projects. He liked to present himself as gruff, but he was really a sweetheart. One student complained to him that his criticisms were too harsh. Always straightforward, Herb replied, "If I didn't care, I wouldn't say anything." Many benefited from his talent for pointing out flaws of logic and unclear writing.

I inherited Herb's slot at the Survey in 1987 when he 'officially' retired, but you wouldn't know it if you were to check attendance. Herb hardly ever missed a day for the next ten or twelve years. Then he would occasionally take a day or two off. He finally moved to Chapel Hill, North Carolina, with his wife, Edna, in 2003. Herb and his demeanor were a defining element in the character of the Survey. There was, and I hope still is, a photo of Herb posing with the GE diffractometer when it was brand new. He was wearing a tie. I don't think I ever saw him with a tie at any other time. Herb was buried wearing his navy polo-style shirt with "Feats of Clay" and the CMS logo. Herb may be seen on a CD available from the CMS office, "Looking Back on Clay Mineralogy." He is missed, but sharp memories of Herb will endure. Herb is survived by his wife, Edna, and children, Carol and Jeffrey.

Dewey Moore, with the help of Carol Glass

FORTHCOMING PAPERS
IN CLAYS AND CLAY MINERALS

On the chemical composition of sepiolite and palygorskite
E. GARCÍA-ROMERO AND M. SUÁREZ

Stress-induced alteration of sudoite: structural and chemical modifications
MARÍA DOLORES RUIZ CRUZ, MARÍA DOLORES RODRÍGUEZ RUIZ, AND CARLOS SANZ DE GALDEANO

Water uptake capacity of bentonites
S. KAUFHOLD, R. DOHRMANN, AND M. KLINKENBERG

Hydrothermal synthesis of kaolinite and its formation mechanism
KYOUNG-WON RYU, YOUNG-NAM JANG, AND SOO-CHUN CHAE

The combined inelastic neutron scattering (INS) and solid state DFT study of hydrogen atoms dynamics in kaolinite-dimethylsulfoxide intercalate
LUBOMÍR SMRČOK, DANIEL TUNEGA, ANIBAL JAVIER RAMÍREZ-CUESTA, ALEXANDER IVANOV, AND JANA VALÚCHOVÁ

Stacking disorder in a sedimentary kaolinite
TOSHIHIRO KOGURE, JESSICA ELZEA-KOGEL, CLIFF T. JOHNSTON, AND DAVID L. BISH

Structure and properties of hydrogenated nitrile rubber (HNBR)/organo-montmorillonite (OMT) nanocomposites
ZHENG GU, GUOJUN SONG, WEISHENG LIU, SHUJING YANG, AND JIANMING GAO

Determination of exchangeable calcium of calcareous and gypsiferous bentonites
REINER DOHRMANN AND STEPHAN KAUFHOLD

Ab initio molecular dynamics study of Fe-containing smectites
XIANDONG LIU, EVERT JAN MEIJER, XIANCAI LU, AND RUCHENG WANG

Approach to a descriptive model of a vermiculite charge reduction by hydrothermal treatment
ANA M. CAMPOS, SONIA MORENO, AND RAFAEL MOLINA

Performance of natural zeolite and sepiolite in free cyanide and copper-complexed cyanide ([Cu(CN)₃]²⁻) removal
ESRA TARLAN-YEL AND VILDAN ÖNEN

2010
Trilateral Meeting on Clays
June 6-11, 2010
Organized by SEA, CMS and CSSJ
Madrid and Seville, Spain

- Workshop on Materials and Clay Minerals
Madrid, 6 June 2010
- Symposium on Sepiolite and
-Field Trip to Tajo Basin Deposits
Madrid, 7 June 2010
- General Meeting and
-Field Trip to Rio Tinto Mine and
Green Corridor
Seville, 8-11 June 2010

General Chair: Eduardo Ruiz-Hitzky (SEA)
Co-Chairs: Ray E. Ferrell (CMS) and Yoshiaki Fukushima (CSSJ)
General Secretary: Pilar Aranda 2010TMC@sea-arcillas.es
General Treasurer: Patricia Aparicio