

ASSOCIATION INTERNATIONALE POUR L'ETUDE DES ARGILES  
INTERNATIONAL ASSOCIATION FOR THE STUDY OF CLAYS  
INTERNATIONALE VEREINIGUNG ZUM STUDIUM DER TONE  
МЕЖДУНАРОДНАЯ АССОЦИАЦИЯ ПО ИЗУЧЕНИЮ ГЛИН

# A I P E A

## NEWSLETTER

MARCH 1972

Nº. 6

### FINAL ANNOUNCEMENT

## 1972 INTERNATIONAL CLAY CONFERENCE

Madrid, Spain June 25-30, 1972

The 1972 INTERNATIONAL CLAY CONFERENCE will take place in Madrid, Spain June 25-30, 1972. The Conference is being organized by the Spanish Clay Society (S.E.A.), under the auspices of the Association Internationale pour l'Etude des Argiles (A.I.P.E.A.).

The main purpose of the Conference is to promote international cooperation in the study of clays through scientific sessions, publications and field trips.

#### SCIENTIFIC SESSIONS

The scientific sessions will be held in the Conference and Exhibition Palace of the Ministry of Information and Tourism (Avenida del Generalísimo, 29 Madrid-16). The following Sections are planned:

#### 1. Crystal Chemistry of Clay Minerals (including structures)

Chairman: Prof. Dr. J. Mering - Directeur du Centre d'Organisation Cristalline, CNRS, Orleans, France

Co-Chairman: Prof. Dr. S. W. Bailey - University of Wisconsin, Dept. of Geology, Madison, Wisconsin USA

#### 2. Genesis and Synthesis of Clay Minerals

Chairman: Prof. Dr. G. Millot - Doyen de la Faculté des Sciences de l'Université de Strasbourg, Strasbourg, France

Co-Chairmen: Prof. Dr. R. Wey - Laboratoire de Chimie Minérale, Ecole Supérieure de Chimie de Mulhouse, Mulhouse, France

Prof. Dr. Toshio Sudo - Geological and Mineralogical Institute, Faculty of Sciences, Tokyo University of Education, Otsuka, Bunkyo-ku, Tokyo, Japan

#### 3. Colloidal Properties of Clays (including ion exchange)

Chairman: Prof. Dr. K. Norrish - C.S.I.R.O., Division of Soils, Glen Osmond, South Australia

Co-Chairman: Prof. Dr. H. van Olphen - National Research Council, Division of Chemistry and Chemical Technology, Washington, D. C. USA

4. Surface Chemistry of Clays (including catalytic properties)

Chairman: Prof. Dr. J. J. Fripiat - Institute of Earth Sciences, University of Louvain, Heverlee-Louvain, Belgium  
Co-Chairman: Prof. Dr. M. M. Mortland - Dept. of Crop and Soil Sciences, Michigan State University, East Lansing, Michigan USA

5. Volume Adsorption Phenomena (including organic compounds)

Chairman: Prof. Dr. A. Weiss - Institut für Anorganische Chemie der Universität München, München, West Germany  
Co-Chairman: Prof. Dr. D. M. C. MacEwan - Coolfin House, Portlaoigh, Co. Waterford, Ireland

6. Technical Properties and Applications of Clays and Clay Minerals

Chairman: Prof. Dr. R. E. Grim - University of Illinois, 704 West Florida Ave., Urbana, Illinois USA  
Co-Chairman: Prof. Dr. I. Th. Rosenqvist - University of Oslo, Blindern, Norway

7. General Papers

Chairman: Prof. Dr. A. Hoyos de Castro - Instituto de Edafología y Biología Vegetal del C.S.I.C., Madrid, Spain  
Co-Chairman: Prof. Dr. P. de Souza Santos - Instituto de Pesquisas Tecnológicas, Ciudad Universitaria, Sao Paulo, Brazil

KAOLIN SYMPOSIUM

During the Conference a joint meeting of the "Working Group" of the "Kaolin Correlation Program" is planned with the following program:

1. Discussion of the Project
2. Contributions to the study of kaolins
3. Field trips to Spanish kaolin deposits

Item 1 is restricted to members of the "Working Group" but items 2 and 3 are open to all participants as stated in the 3rd circular of the Conference

Prof. Kuzvart (Secretary of the "Working Group") and Prof. Martín Vivaldi (Spanish representative of the "Working Group") will act as Chairmen for this Symposium.

PUBLICATIONS

Abstracts of 160 papers submitted for the Conference have been published by the Spanish Committee in an "Abstracts Booklet" and will be distributed to the participants before the Conference.

The authors of about 60 selected papers to be presented at the Conference are to send the complete text to the Organizing Committee (Spain) before April 30, 1972. Papers will be reproduced and distributed to the participants at the beginning of the Conference; these will also be published in the proceedings that will be distributed shortly after the Conference.

The Editorial Committee will select a certain number of additional papers for possible consideration during the discussion periods at the discretion of the Section Chairmen. These papers may, in some cases, replace papers scheduled for presentation in the sessions but which were not submitted on time. In this case, if the text is available, it will be considered for publication after being submitted to normal review procedures.

Both in the proceedings, as well as in the preprints, an up-dated review of the recent advances in the field, to be prepared by the Chairman, will also be published for each section.

Excursion guide-books will be received by those participating in field trips.

EXCURSIONS

In conjunction with the Conference the following field trips will be arranged:

Field Trip No. 1 July 1-7 (Coach and Plane) Northwest Spain

Visits to deposits of kaolins of several origins, talc, asbestos and refractory clays, kaolin washeries and brick work factories. Tourist stops in: Valladolid, León, Santiago de Compostela and Rias Bajas of Galicia.

Field Trip No. 2 July 1-5 (Coach) Eastern Spain

Visits to deposits of sedimentary kaolins, brick clays and sepiolite, kaolin washeries and ceramic factories. Tourist stops in: Valencia, Ciudad, Encantada and Cuenca.

Field Trip No. 3 July 1-6 (Coach and Plane) Eastern Andalusia

Visits to deposits of sepiolite, serpentines, pyrophyllites, sericites, kaolinites and bentonites, various types of soils and ceramic and brick work factories. Tourist stops in: Aranjuez, Granada, Sierra Nevada and Almeria.

Field Trip No. 4 July 1-7 (Coach and Plane) Western Andalusia

Visits to deposits of serpentines, vermiculites, talc and asbestos, "Rio Tinto" mines (pyrite and chalcoppyrite); various types of soils and brick works and ceramic factories. Tourist stops in: Córdoba, Seville, Huelva, Jerez and Málaga.

These four trips have been planned on a circuit basis, all of them starting and ending in Madrid.

In addition to the four Field Trips described above, two optional one-day Excursions are planned for June 29:

Excursion No. 5 - Toledo - Aranjuez

Excursion No. 6 - Segovia - La Granja

SOCIAL EVENTS

- a. Receptions by the Organizing Committee and various scientific and governmental authorities
- b. Closing Dinner
- c. Special program for ladies accompanying members of the Conference

EXHIBITION

During the Conference an exhibition of clay raw materials, clay minerals, clay products, scientific instruments and publications will also take place.

REGISTRATION FEES

The following categories have been established:

|                                |   |      |
|--------------------------------|---|------|
| A. <u>Members</u>              | Will receive all printed material (circulars, program, list of participants, abstracts, preprints and proceedings). | \$50 |
| B. <u>Students</u>             | Will receive all printed material except preprints and proceedings.   | \$10 |
| C. <u>Accompanying Members</u> | Will not receive any scientific printed material. A special program for ladies is being prepared.                   | \$20 |

CORRESPONDENCE

All correspondence related to the Conference should be sent to:

1972 International Clay Conference  
General Secretary  
Departamento de Cristalografía y Mineralogía  
Facultad de Ciencias. Sección de Geología  
Ciudad Universitaria  
Madrid-3 Spain

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RECENT DEATHS

Dr. A. N. Puri, Director, Field Research Station, Amar Hill, Bombay, India, died Sept. 30, 1971. Dr. Puri was a pioneer in soil chemistry and soil colloids and was one of the moving forces in encouraging his colleagues to participate in A.I.P.E.A.

Dr. Calvin A. Noble, Memorial University of Newfoundland, St. Johns, Newfoundland, died Dec. 31, 1970.

ANNOUNCEMENTS OF FUTURE MEETINGS

21st ANNUAL CLAY MINERALS CONFERENCE, Woods Hole, Massachusetts, September 11-14, 1972

The conference has been arranged through the cooperation of the Woods Hole Oceanographic Institution and the U. S. Geological Survey, Office of Marine Geology. Inquiries may be addressed to:

|                          |                                       |
|--------------------------|---------------------------------------|
| Local Chairman:          | Program Chairman:                     |
| Dr. John C. Hathaway     | Dr. R. T. Martin                      |
| Office of Marine Geology | Dept. of Civil Engineering            |
| U. S. Geological Survey  | Massachusetts Institute of Technology |
| Woods Hole, Mass. 02543  | Cambridge, Mass. 02139                |

Tentative Schedule

|                     |  |
|---------------------|--|
| Monday, Sept. 11    | Symposium on Clays in the Marine Environment   |
| Tuesday, Sept. 12   | Field trip to the Gay Head Cliffs on the island of Martha's Vineyard. Transportation will be boat to Martha's Vineyard thence by bus to Gay Head, where Cretaceous and Tertiary clays are exposed. |
| Wednesday, Sept. 13 | General Sessions   |
| Thursday, Sept. 14  | General Sessions   |

Preliminary Call for Papers - (The formal call for papers will be distributed at a later date, along with more complete information on the meeting and facilities available.)

Deadlines: Titles must be received by the program chairman before June 1, 1972. Abstracts must be received before July 1, 1972.

MEETING PLACES FOR THE 1973 AND 1974 CONFERENCES OF THE CLAY MINERALS SOCIETY

|                    |   |
|--------------------|---|
| October 7-11, 1973 | Banff, Alberta, Canada<br>Dr. J. E. Gillott, Chairman<br>Dept. of Civil Engineering<br>University of Calgary<br>Calgary 44, Alberta, Canada |
| September 1974     | Cleveland, Ohio<br>Dr. John Hower, Chairman<br>Dept. of Geology<br>Case Western Reserve University<br>Cleveland, Ohio 44106                 |

NEWS OF NATIONAL CLAY GROUPS

ITALIAN GROUP OF A.I.P.E.A.

Gruppo Italiano dell' A.I.P.E.A. has been established with Professor F. Veniale, President; Dr. ing. G. B. Zanchi, Vice-President; Professor L. Nicolini, Secretary; Professor G. Giuseppetti, Treasurer. The first meeting of the Group was held in Venice-Faenza, May 16-19, 1971. The present membership is about 70.

The Proceedings will be published, and available from Dr. C. Palmonari, Centro Ceramico, Facolta Ingegneria, viale Risorgimento 2, Bologna, Italy.

It is suggested by the Italian Group that a European Clay Minerals Conference be held in Sardinia in 1973 or 1974.

THE CLAY MINERALS SOCIETY U.S.A.

The 20th Clay Minerals Conference was held September 8-12, 1971, at the South Dakota School of Mines at Rapid City with over 200 members and visitors in attendance. An added feature of this conference was the joint participation of the Mineralogical Society of America. An excellent technical program and field trips were organized by the co-chairmen, W. F. Bradley and D. H. Garske, and supporting committee members.

During the technical session, some 40 papers were presented and discussed. A symposium on Phosphate Minerals was sponsored by the Mineralogical Society of America which fit in well with a field trip to pegmatite deposits in the Black Hills the previous day.

A high point of the meeting was the presentation of the Distinguished Member Award of the Clay Minerals Society to Dr. W. D. Keller. Dr. Keller participated in the first Clay Minerals Conference and has contributed much to the growth of the Society.

After the meeting, many members enjoyed a field trip to bentonite mines and to the Devil Tower Park in Crook County, Wyoming.

A committee headed by Dr. H. W. Van Olphen, has been appointed to draft a plan for action to develop a "Handbook of Property Data for Clays and Clay Minerals."

UNITED STATES--JAPAN COOPERATIVE SCIENCE PROGRAM: SEMINAR ON CLAY-ORGANIC COMPLEXES

A week-long seminar on clay-organic complexes was sponsored by the U.S.-Japan Cooperative Science Program in Kyoto, Japan, with the following U.S. participants: G. W. Brindley (U.S. coordinator), R. F. Conley, E. T. Degens, W. D. Johns, M. M. Mortland, W. H. Slabaugh, and H. van Olphen. The Japanese numbered 14 participants and 14 observers, and nationals from other countries included Dr. A. Weiss (Germany), Dr. Chen Pei-yuan and Mr. C. H. Lee (China, Taiwan). Discussions ranged over many aspects of the structures and reactions of clay-organic complexes and various practical applications of these materials were considered. It is hoped to provide elsewhere a more detailed summary of this seminar.

1st INTERNATIONAL SYMPOSIUM ON CERAMICS Bologna, Italy June 8-9, 1972

The 1st International Symposium on Ceramics will be held in Bologna, Italy on June 8th and 9th, 1972 at the University of Bologna, viale Risorgimento 2. The main aim of the Symposium is to encourage a free exchange of ideas between science and industry. The Provisional Program includes provisions for scientific and technical papers on ceramics, refractories, and raw materials and installations, as well as economic papers.

The deadline for submission of papers was Jan. 31, 1972. Registration fees are as follows:

|  |                 |
|--|-----------------|
| -- Representatives of companies which are members of the Association of Members of Federceramica ..... | It. Lire 15,000 |
| -- Others .....  | It. Lire 20,000 |
| -- Ladies .....  | It. Lire 10,000 |

It is suggested that those desiring further information should write: Dr. Carlo Palmonari, Centro Ceramico, Facolta Ingegneria, viale Risorgimento 2, Bologna, Italy, or contact FEDERCERAMICA, via privata Crescenzo, 2 Milano, Italy.

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