The 1975 International Clay Conference is to be held in Mexico City, Mexico, July 16-23, 1975. The Conference has been organized by the Instituto de Geologia, Universidad Nacional Autonoma de Mexico, under the auspices of the Association Internationale pour l'Etude des Argiles (AIPEA). The U.S. Clay Minerals Society will hold its 1975 meeting jointly with the International Clay Conference.

The Third Circular containing final details about the technical sessions, presentation of papers, field trips, accommodations and registration have been mailed to all those indicating an interest in attending the Conference.

Authors whose manuscripts have been accepted for oral presentation at the 1975 International Clay Conference have been notified by the General Secretary of the Organizing Committee.

The following statement concerning publication of the Proceedings has been issued by Prof. S. W. Bailey, Editor-in-Chief:

**PUBLICATION OF PROCEEDINGS VOLUME:** The Proceedings of the 1975 International Clay Conference will be published by Applied Publishing Ltd. of Canada as a single volume approximately 9 months after the Conference is held. In accordance with the decision of the AIPEA Council, the Proceedings will contain 60 papers plus the Chairmen’s Introductory Lectures and will total 800-850 pages. Discussions of papers will not be published. Because the number of papers to be published is smaller than the number to be presented orally and because the publishing contract calls for penalties for nonadherence to deadlines, the following editing procedures will be necessary. The cooperation of all authors is requested.

1. No papers will be published in the Proceedings that previously have been published elsewhere, wholly or in large part.

2. No author is obligated to publish a paper that has been presented orally at the Conference. If the author wishes to publish elsewhere, permission to do so should be requested from the Editor-in-Chief.

3. Authors who wish their papers to be considered for publication in the Proceedings should send their manuscripts directly to the Editor-in-Chief:

   Dr. S. W. Bailey
   Dept. of Geology & Geophysics
   315 Van Cleve Hall
   University of Wisconsin-Madison
   Madison, Wisconsin 53706 USA
William T. Granquist
1927-1974

On 30 September 1974 the scientific community lost a good friend, an esteemed colleague and Editor-in-Chief of the journal "Clays and Clay Minerals." Dr. William T. (Bill) Granquist was an ingenious experimenter and a prolific and most articulate idea man, as attested by his work in the clay minerals field.

Bill's wide professional interests are indicated by his professional associations which included membership in AAPG, American Chemical Society, American Institute of Chemists (fellow), Mineralogical Society of America, Society of Sedology, New York Academy of Sciences (fellow), American Ceramic Society, the Clay Minerals Society (director), and AICHE. In his off-hours he was an avid outdoorsman who frequently involved packing the family and family dog into the bus, along with a tarp or two, and heading for the nearest or farthest navigable water. As an old Pennsylvanian, the northern waters often were the topics where he headed for Minnesota lakes, Maine's backwoods or a forest preserve in Canada.

Bill Granquist was well known in his chosen field and was a well respected and a versatile fellow, including professional activities. He will be remembered as a good friend, an entertaining conversationalist, a brilliant researcher and a variegated, interesting person.

Anna O. Shepard
1903-1973

Anna Oster Shepard died on July 19, 1973 in Boulder, Colorado. She had been in poor health for the previous year as a result of a stroke. Her friends will recall that an earlier, milder stroke had caused her some speech difficulty, but otherwise hadn't slowed her down one bit.

Anna was born May 9, 1903 in Merchantsville, New Jersey. Her mother died when she was a young girl, and she was brought up in Los Angeles, California by her father to whom she became very attached. She received a B.S. degree in Anthropology in 1926 from the University of Nebraska. Subsequent studies in optical crystallography, chemistry, physics, geology, mineralogy and spectroscopy at Claremont College, New York University and M.I.T. uniquely qualified her in her chosen field of ceramic technology.

She was a Ph.D. in Physical Chemistry in 1962.

In 1959 Bill was transferred to Houston, Texas to become Assistant Technical Director of the David Elliot Division, R. L. Industries, Inc. In this capacity he directed the work of a group involved in development of catalytic materials. He studied with a randomly stratified synthetic montmorillonite-mica through 23, lab plant and plant operations. Some twenty-seven publications and five patents resulted from his work in the clay minerals field.

Bill's wide professional interests are indicated by his professional associations which included membership in AAPG, American Chemical Society, American Institute of Chemists (fellow), Mineralogical Society of America, Society of Sedology, New York Academy of Sciences (fellow), American Ceramic Society, the Clay Minerals Society (director), and AICHE. In his off-hours he was an avid outdoorsman who frequently involved packing the family and family dog into the bus, along with a tarp or two, and heading for the nearest or farthest navigable waters. As an old Pennsylvanian, the northern waters often were the topics where he headed for Minnesota lakes, Maine's backwoods or a forest preserve in Canada.

Bill Granquist was well known in his chosen field and was a well respected and a versatile fellow, including professional activities. He will be remembered as a good friend, an entertaining conversationalist, a brilliant researcher and a variegated, interesting person.
CALENDAR OF MEETINGS

May 12, 1975 CLAY MINERALS GROUP (in conjunction with the Colloid and Surface Chemistry and other groups of the Society of Chemical Industry and with the British Society of Soil Science); Meeting on "Pore structure of clays, soils and cements" at the Geamut and Concrete Association, Slough.

July 16-23, 1975 1975 INTERNATIONAL CLAY CONFERENCE, Mexico City, Mexico. The Conference is being organized by the Instituto de Geologia de la Universidad Nacional Autonoma de Mexico under the auspices of ASFEA. The Clay Minerals Society (USA) will hold its national meeting jointly with ASFEA. (Dr. Luizero de Pablo, Secretary General, 1975 Intl. Clay Conference, The Organizing Committee, Instituto de Geologia, Universidad Nacional Autonoma de Mexico, Apartado Postal 70-296, Mexico 20, D. F. Mexico).

Sept. 8-14, 1975 REGIONAL CENTRAL-EUROPEAN SYMPOSIUM ON KAOLINITIZATION OF THE BOHELML MASSIF, Dresden, German Democratic Republic. Two-day conference with papers on kaolin deposits of GDR and other countries and excursion to visit important deposits of GDR. International Geologists. Correlation Program, Working Group--Genesis of Kaolins, Dr. M. Hufnitz, Secretary, Institute of Geology, Charles University, Albertov 8, Prague 2, Czechoslovakia)

Sept. 10-11, 1975 SOUTH AFRICA CERAMIC SOCIETY, Pretoria, S.A. Symposium on theme "Conservation in the ceramics industry".


NEWS OF NATIONAL CLAY GROUPS

RINGS OF NATIONAL CLAY GROUPS

CLAY RESEARCH IN BRAZIL

The major groups engaged in clay research in Brazil are in the cities of Campina Grande, Recife, Salvador, Aracaju, Rio de Janeiro, Sao Paulo, Campinas and Porto Alegre.

Geological studies of clays are being made in the north of Brazil (Amazon region) on two large kaolin deposits in the Jari and Capim rivers under the sponsorship of midfield (Dr. C. Pendinol) and CUF-CEE (Dr. M. Helena Paulello). In the Northeast, the "Clay Project" is being conducted by CNPEN (Dr. K. R. L. Freitas) on sedimentary clays, kaolinites and montmorillonites in several States. A survey of the sedimentary clays is being carried out around the city of Salvador by the Instituto de Geociencias of the University of Bahia; "Codiene" is making a similar survey in the sedimentary region of the State of Sao Paulo.

Soil weathering is being studied by several groups: granite and basic rocks by Dr. A. Memit; manganese rocks by Dr. B. A. Valverde at the Instituto de Geociencias of the University of Sao Paulo; basaltic rocks by Dr. E. E. Freitas at the Instituto de Pesquisas Tecnologicas; Sao Paulo, and by Dr. H. L. Ferroso at the Instituto de Geociencias of the University of Rio Grande do Sul; basaltic, high aluminum clays and halloysites, as well as soil clay minerals and soil formation by Dr. A. G. Memit at the Instituto Agronomico in Campinas, State of Sao Paulo.

Clay technological studies, particularly on regional clays are being conducted at the Escola Politecnica of the University of Parana on montmorillonites for soil improvement (Dr. R. B. Parreira); at the Instituto Tecnologico de Ferrobanco on clays for ceramics by Dr. A. Padua; at the Instituto Tecnologia on kaolin and montmorillonites for several industrial purposes by Dr. R. V. Mello; at the Instituto de Pesquisas Tecnologicas and Escola Politecnica of the University of Sao Paulo, industrial clays and chrysotile asbestos for several industrial uses by Dr. P. Souza Santos, J. V. Souza and A. R. Mamedes.

Clay mineralogical studies are being made on kaolinite-halloysite, antigorites and nontronites by Dr. P. Souza Santos; on nickel-clays by Dr. J. V. Souza; on halloysite by Dr. A. C. Memit at the Instituto Agronomico; on ilmenite, halloysite and montmorillonites by Dr. H. L. L. Ferreira at the Instituto de Geociencias in Porto Alegre; high resolution electron microscopy of Brazilian cryolite asbestos, pyrophyllite-sepiclite clays and mullite formation from halloysite is being conducted by Dr. P. Souza Santos at the Instituto de Plastico of the University of Sao Paulo, and on the amorphous components of soil from basaltic (Dr. A. Memit).

Clay mineralogy courses (graduate and undergraduate) are taught every year at the Universities of Sao Paulo, Rio de Janeiro do Sul. A clay technology graduate course is taught in the Department of Chemical Engineering of Escola Politecnica of USP. The book on "Clay Technology" is in planning and will appear in the first semester of 1975; research on characterization and industrial utilization of clays from several States of Brazil serves as the basis for M.S. and Ph.D. theses in several departments at the Universities of Sao Paulo and Rio Grande do Sul.

Bibliographies on clay research in Brazil, especially for kaolins and montmorillonites, were published in 1964, 1965, and 1971; a symposium on Brazilian clays was organized in 1966; 28 papers by 36 authors were presented and published. A second symposium is being planned for early 1975 in which a proposal for a Brazilian Clay Group will be discussed. Papers on Brazilian clays are generally published in Portuguese in the journal Ceramic, Boletin Brasiliero de Geociencia, Mineral and Metalurgia, Cimica e Cultura and Anais da Academia Brasileira de Ciencias. Papers on clays are presented in the annual meetings of the following societies: ceramics, geology, soil science and geology applied to civil engineering.

Kaolin clay production in Brazil in 1972 was 571,000 long tons per year, which places the country among the ten largest producers in the world, according to the data of the 1973 U.S. Bureau of Mines Yearbook. Ceramic industries, including Portland cement, are still the major consumer of clays in Brazil. Ceramic industries such as Celite (Dr. P. R. Angeleri) and Manganese - Sao Caetano (Dr. I. Memet) (tile and floor tiles); Klabin (Dr. M. Hirsch) and IASA-Brennan (wall tiles); paper industries such as Klabin (Dr. M. Hirsch) and Dias (Dr. A. P. Mlchel Filho) and cementite industries (Dr. A. Mendes) have good research laboratories in which an appreciable amount of research is being conducted on Brazilian clays.

---Dr. P. Souza Santos

GROUP FOR CLAY MINERALOGY AND PETROLOGY IN CZECHOSLOVAKIA

The Group held four working meetings in 1974. The dates and programs were as follows:

Feb. 21, 1974 V. Stepany (Institute of Soil Science, Prague) "The research on soil clay minerals in the Institute of Soil Science, Prague."

J. Konta and H. Rechichl (Institute of Petrology, Charles University, Prague) An exhibition of brochures on the new equipment used in research on minerals and rocks.

May 16-17, 1974 J. Konta (Institute of Petrology, Charles University, Prague) "Refraction and their benefit techniques".

Preliminary discussions on the 7th Conference on Clay Mineralogy and Petrology in Czechoslovakia. An exhibition of new literature on clay minerals and rocks was displayed.

Oct. 24, 1974 H. Hense (Institute of Geology, University of Gemifeld) "The analysis of kaolinite particles by means of the electron microscope". The relation between mineralogical and technological properties of clay from the north of the German Democratic Republic".

Nov. 21, 1974 E. Hnila (Central Geological Survey, Prague) "Adaptation of the Unimex high-temperature camera to research on layered silicates".

Discussion on the program of the Group's activities in 1975.

The national-wide conferences on clay mineralogy and petrology in Czechoslovakia are held every third year. The 7th Conference will take place in Karlovy Vary at the end of August 1976. The details will be given in the first circular which will be distributed in the spring of 1975.

---LJ. Konta

Dept. of Petrology

Charles University

Albertov 6

Prague 2, Czechoslovakia
CLAY MINERALS GROUP OF GREAT BRITAIN AND IRELAND

The Spring Meeting of the Group will be held April 3-4, 1975 at the Macaulay Institute for Soil Research, Aberdeen, Scotland. The following papers have been accepted for presentation in the scientific sessions on April 3:

H. J. Wilson "Some aspects of the chemical weathering of primary rock-forming minerals - review paper"
J. D. Russell and B. A. Goodman "Experimental conversion of montmorillonite to mica-like phases"
E. A. Fitzpatrick "Deeply weathered rock in North East Scotland"
H. Hurng and A. A. Barton "The mineralogy of a deeply weathered section in the Great White Hill, Northern England"
C. G. Curtis "Preliminary findings from the application of iron-base thinning to clay sediments"
B. G. Roeslerthun and P. Jégersen "Mineralogical composition and changes due to pedological weathering on a till from Numedalen, S. Norway"
F. P. Glasser "Chemical and mineralogical changes in high-alumina cements"
M. C. van Oostwijk-Gastuche "Synthesis of clay minerals as compared to their genesis"
B. A. Goodman and H. J. Wilson "A Mesokaur study of the weathering of hornblende"

H. Bank and D. A. Jenkins "Chlorite in soils derived from Silurian mudstones in Clydes, Wales"

Participants will receive a set of abstracts and full details of program arrangements. The latter will include a field excursion on April 4 to sites illustrating particular aspects of clay alteration, with emphasis on deep weathering of rocks.

"Pore Structure of Clays, Soils and Cements". The Clay Minerals Group and the British Society of Soil Science have been invited to participate in a meeting on the above topic with constituent groups of the Society of Chemical Industry. This is to be held on Monday, May 12, 1975 at the Cement and Concrete Association, Slough. After an introductory lecture by Prof. R. M. Barrer of Imperial College, London, papers will be presented on the effect of drying on the porosities of soil clays, pore structure formation during drying of clay/ethanol films, adsorption of water and gases on calcium silicate hydrates, and pores structure of hardened cement pastes.

European "Clay Minerals" Journal. Agreement has been reached with other West European Clay Groups on the formation of a common journal for the publication of scientific papers. The periodical will be handled by the Mineralogical Society as managers and based on an extension of the present "Clay Minerals" to create a quarterly journal. Tenders have been received from possible publishing firms and arrangements are being made to meet a deadline of March 1976 for the issue of the first number.

CLAY MINERALS GROUP Committee. Dr. V. C. Farmer has been co-opted to fill the vacancy created by Prof. B. Greenwood's resignation from the Committee, necessitated by his appointment to a post overseas.

GROUPE FRANÇAIS DES ARGILES

The Proceedings of the 2nd Meeting of the European Clay Groups are now available and may be ordered from the Secretariat at the address given below. The price is 20 F (normal mail) and 25 F (air mail).

A special issue of the Bulletin du Groupe Français des Argiles devoted to the scientific work of Jacques MERING has been published.

Summary J. MERING (1904-1973) by J. NYAT
The scientific work of J. MERING in crystallography: study of imperfect crystals by A. GUINIER
Structure and reactivity of clays by B. A. GOODMAN
Structural aspects of graphitisation by J. HAINES
The Centre de Recherches sur les Solides Organisations cristallines Imperfectes (C.R.S.O.C.) by L. GATINEAU and D. YOKOBU

List of publications of J. MERING
Price: 15 F (normal mail) and 20 F (air mail)

Order and payment for the two publications listed above must be sent to the Secrétariat du Groupe Français des Argiles, C.R.B.A., 8e de St. Ory, 70000 VERSAILLES, France.

Payment by: - Check payable to the Groupe François des Argiles - Bank transfer to the account number 040859 of the Banque Nationale de Paris, VERSAILLES, France

CLAY SCIENCE SOCIETY OF JAPAN

Activities in clay research in Japan were last reported in the Newsletter of January 1974.

There were about 300 participants in the 18th general annual meeting (1974) held at Okayama University with presentation of papers concerning general subjects and one symposium on "Clay Minerals and Water". Forty papers were presented.

The Shirozu cooperative research project (page 9, AIPSA Newsletter No. 9, January 1974) was closed in 1974. The final report was published as a group of sixteen papers (written in Japanese) in Kobunshi-gakusei (Journal of the Mineralogical Society of Japan), Vol. 11, Special Issue, No. 1, March 1974. The general title of the final report is "Interstratified structures in layer silicates and their genesis". The groupings of the papers are as follows: problems for study on interstratified minerals (one paper), weathering products of montmorillonite (one paper), montmorillonite interstratified with a kaolin mineral (three papers), computer simulation of lattice images (one paper), treatment with Rb⁺ (one paper), anion-exchange interstratification (three papers), water/magnesium interstratification (one paper), synthesis (two papers), origin and mode of occurrence (three papers).

In 1974 a cooperative research project in the mineralogy branch (Chairman: Professor K. Nomura, Okayama University) was selected to receive a 5-year Grant-in-Aid for Science Research of the Ministry of Education of the Japanese Government. The first meeting of the Memi cooperative research project was held at Kure University in October, 1974.

--Professor Toshio Sudo
Geological and Mineralogical Institute
Faculty of Science, Tokyo University
Tokyo, Japan

SOUTHE AFRICA CERAMIC SOCIETY

The 1975 program of the South Africa Ceramic Society includes five ordinary evening meetings and three visits. The main event of the year will be a one-day Symposium on Sept. 10 and 11. The theme for the Symposium will be "Conservation in the ceramic industry" and plans include papers on use cement, recycling of materials such as glass and refractories, conservation of clay deposits and the use of lime dust, fly ash and lightweight aggregates.

--E. R. Schmidt
S. A. Ceramic Society
c/o N.R.B.S., P. O. Box 395
Pretoria, South Africa

SPANISH CLAY SOCIETY

The new Council of the Spanish Clay Society is as follows:

J. M. Secresto, President
J. R. López-González, Vice President
F. López-Aguayo, Secretary
F. Aragón
H. Márquez
F. M. Barrón-Murado

The new address of the Spanish Clay Society is:
Instituto de Geología y Geología Vegetal, C.S.I.C.
Sevilla, 15, 4pdo.
Madrid 6, Spain

A meeting in memory of Prof. J. L. Martín-Vivaldi, Past President of the Spanish Clay Society, was held in Granada, Dec. 13, 1974. The program for the meeting was as follows:
The conference proceedings included a reprint of the symposium included in the Proceedings of the 1972 International Clay Conference.

The scientific sessions were held in the Azahar Experimental Station.

At 6:00 p.m. on Wednesday, Dr. J. M. Martin Pozas held a reception for the conference. Other members of the committee for the conference are: Dr. R. A. Rowland, P.O. Box 44206, Houston, Texas 77042, chairman of the OME local committee for the conference. Other members of the committee are E. J. C. Jones, Department of Geology, University of Texas, and Dr. F. de Pablo, Instituto de Edafologia y Biologia Vegetal, CSIC.

The symposium included in the Proceedings of the 1972 International Clay Conference and the 24th Annual Clay Minerals Conference will be held simultaneously with the (AIPEA) International Clay Conference on July 16-23, 1975 in Mexico City, Mexico.

The clay content is low, fertilizer must be used to maintain adequate food production. Since fertilizers are not readily available in these countries, more land is lost to the sea and farmers are forced to look for new sources of food. Clay content is low, and farmers are forced to look for new sources of food. Clay content is low, fertilizer must be used to maintain adequate food production.
M. Towe criticized the procedure of using less than 2 micran solids for clay analysis but those having a pH of 4 to 5 were quite active. Water in the system reduced catalytic activity because while hydrothermal kaolins tend to be more tightly compacted crystals of kaolinite, a significant amount of catalytic activity remained. With time not a factor, catalytic formation prepared from standard minerals have to be adjusted to give satisfactory results for soil clays.

Reino Roosaar (Bergkonsult, Stockholm) "Sericitization of quartz and clay alteration in Precambrian rocks under Stockholm.

Contributions for the Nordic group included the following:

Jan Larsson (Danske Tekn. Näringsliv) "Late Quaternary clay sediments in the Baltic, north of Bornholm.

Mads Boe (Geologisk Museum, Stockholm) "Sericitization of quartz and clay alteration in Precambrian rocks under Stockholm.

Nils Randrup (Nordisk Tegels Teknisk Forening) "Better techniques in X-ray diffraction demonstrated on clay minerals from Denmark and Greenland."

There followed a general discussion on clay formation, clay deposits and methods for determination of clay minerals. Some discussions continued at the banquet after mid-night.

On May 14 there was a full day's excursion to outcrops of interest. The group observed outcrops of granitic rock which had altered to kaolinite whereas diabase had changed to sericite. Other localities examined included the lower Cambrian sandstone with glauconite, bedrock in Ordovician shales, montmorillonitic Kupfer clay and Zimic clay coal seams from Juta. Guides for the excursion were Jan Bondam and Poul Greff-Petersen who were kindly acting as the local committee for the whole meeting. Industrial use of the Bornholm kaolin at the Hasle Klinker-Chamottesten Manufacturing Co., was kindly shown by the manager, Mr. J. Damgaard. Approximately 30 persons took part in the meeting.

The annual meeting of the Nordic Society for Clay Research was held Nov. 26, 1974 in Stockholm. The following new board was elected:

Chairman: Ivan Th. Rosenqvist, Norway
Secretary: Tom Lundgren, Sweden
Treasurer: Gunnar Jacks, Sweden (new nomination)

Members of the Council:
Ann Marie Systre-Bruusiget, Sweden
Poul Greff-Petersen, Denmark
Kalvi Pomah, Finland
Bjorn Kristianson, Iceland

Proxying numbers:
Per Jorgensen, Jorje, Sweden
Jan Bondam, Denmark
Bjarne Juusko, Finland
Sven Stahl, Sweden

The following new scientific papers were given:

K. P. Toner (Indian Agr. Research Inst., New Delhi) "Mineralogical composition of a deep black soil profile of India. Cotton saturation effect on DFA curves of smectite minerals".

Dr. N. Stenbergland (Geological Inst., Oslo) "A mineralogical study of recent clay sediments in Sleipraak".


Tom Lundgren (Geotechnical Inst., Stockholm) "Altered rock studied in tunnels in the Gothenburg district."

Ann Marie Systre-Bruusiget (Geol. Survey of Sweden, Stockholm) "Smectite minerals in samples collected from altered rocks in tunnels in the Gothenburg district."

The address of the present Chairman: Professor Ivan Th. Rosenqvist, Geography Institute Box 1067
Oslo 3, Norway
Tel. 0047-2466800

The address of the Secretary: Mr. Tom Lundgren
B. G. A. 1
Rodiengatan 16
115 26 Stockholm, Sweden

The spring meeting is planned for Uppsala in March 1975 in collaboration with the Institute of Quaternary Geology of the University of Upsala. The theme is simply "Clay".

For the Oslo meeting in 1977 the first circle will be sent out from the organizing committee in Oslo.

---Morten Bruusiget
SOG, P-AK 3-10405
Stockholm 30, Sweden

---Tom Lundgren
SOG, Birger jarlsgatan 16
115 26 Stockholm, Sweden
The Third Kaolin Symposium took place in Exeter, England on Sept. 6-7, 1974. Forty-eight participants from Czechoslovakia, Denmark, France, Federal Republic of Germany, German Democratic Republic, Japan, Mexico, Portugal, Romania, Spain, Taiwan, United Kingdom, USSR and the USA attended the Symposium. Seventeen members of the Working Group on "Genesis of Kaolins" (IGCP) were present.

The following papers were presented:

J. Estelle-Choux (France) "Les kaolins Tertiaires du Massif Arvernicen".

J. France (CSSR) "Kaolin deposits of the Republic of Niger".

A. Anton and G. H. Mascu (Romania) "Kaolin deposits of Romania".

N. Minato (Japan) "A mode of occurrence of halloysite from Japan (Ouchut Clay Mine, south part of Kyushu)".

J. Šindelka (CSSR) "Kaolinitic clays of the Cest Basin (Western Bohemia)".

J. Estelle and J. Estelle-Choux (France) "Les gisements triasique de Pierre sur route: Etude sedimentologique et mineralogique".

J. Kraus (CSSR) "Kaolisation in the W. Carpathians".

H. Köster (FRG) "A contribution to the geochemistry and to the genesis of the kaolin-feldspar deposits in Eastern Bavaria".

M. Šišović, M. Šušter and V. Kacin (CSSR) "A two-phase kaolin profile on the SE margin of the Bohemian massif".

U. H. Huang and E. C. Freshney (USA, UK) "Clay mineralogy of the Westbear Pit, N. Devon Ball Clay Basin".

U. D. Keller (WRTC) "Scanning electron microscopy of some Cornwall clays".

E. Galan (Spain) "Mineralogy of some refractory clay deposits in Pontevedra, Galicia (Spain)".

H. Murray (USA) "Genesis of Georgia kaolins -- a review".

R. W. Angier, P. Jones and E. Richards (UK) "Opal synthetic kaolinite, general comments".

C. M. Ricketts (UK) "The trinitites associated with primary deposits of hydrothermal origin".

The papers will be published in the Institute of Geological Sciences Report Series (UK).

Two guides for the excursions in Cornwall and Brittany were prepared by Mr. C. H. Bristowe, Mr. A. Vincent and Dr. E. C. Freshney and by Dr. Janine Estelle-Choux and Prof. J. Estelle.

The symposium was opened by Prof. U. D. Keller who paid homage to the late Prof. J. Martin-Hayward whose discussions were chaired successively by Prof. Keller, Dr. Freshney, Prof. C. Farmer, Prof. Nino, Dr. Bissolli and Prof. Köster. From the discussions that followed individual lectures it becomes clear that closer cooperation in all aspects of kaolin investigation is necessary.

During the five days of excursions in Cornwall and Devon (Halwill-Heleor kaolin pit, Goose-harrow kaolin pit, Penleo ware clay pit, Penmask ball clay pit, Perranzabuloe kaolin pit, Kernew-out -- kaolinized granite, Le Zen -- inter-facial profile, Pleumeur, Kernech - two kaolin pits, La Penhouloune near Romée - tropical profile on shales, Chateguiscou -- kaolinized Ovicianish slates) no conclusive evidence for either hydrothermal or supergene genesis of kaolin was found. Possible criteria for distinguishing these two genetic types were discussed later in Boston with field evidence in mind. The discussion was introduced by Prof. Köster. Results of this discussion were summarized in a table; a table of possible geological and mineralogical fields in the search for kaolin deposits and a tentative model of kaolin deposits have been compiled and distributed to members of the Working Group.

Plans for future activities of the Working Group on "Genesis of Kaolins" include:

1975 4th Kaolin Symposium in Mexico, July 16 to 23, 1975, with a 5-day excursion to hydrothermal deposits. Concurrently with the 1975 International Clay Conference in Mexico.

1975 Regional Central-European Symposium on Kaolinitisation of the Bohemian Massif in the German Democratic Republic; Sept. 8-14. Two days of conferences with papers on kaolin deposits of CSSR and others will be held in Dresden. The excursion will visit the most important deposits of CSSR.


This will be followed by a study excursion to Japan.

It is proposed to change the subject of investigation of the Working Group in 1976 for correlation between mineralogical composition and technological properties of kaolins.

Dr. Susumu Shimoda
Geological and Mineralogical Institute
Faculty of Science, Tokyo University of Education
Otsuka, Bunkyo-ku, Tokyo, Japan


Proceedings of previous International Clay Conferences may be obtained from offices indicated below.

Fergason Press, Hudding Mill Hall, Oxford OX3 OBW, England

Israel Program for Scientific Translations, Kefayt Mapa P.O.B. 7145, Jerusalem, Israel

Israel Program for Scientific Translations, Kefayt Mapa P.O.B. 7145, Jerusalem, Israel

Division de Ciencias, C.S.I.C., Serrano 113, Madrid, Spain

New Members

Dr. R. H. Bailey delivered the Presidential Address at the 74th annual meeting of the Mineralogical Society of America in Miami, Florida, Nov. 18-20, 1974. His address was entitled "Cation Deveering and Pseudosymmetry in Layer Silicates".

Pro. Ralph E. Coia received the Volunteers Medal at the annual meeting of the Mineralogical Society of America, Nov. 18-20, 1974, in Miami Beach, Florida. Prof. Coia was honored for his pioneering contributions to the development of the science and technology of clay minerals. He was introduced by Dr. Raynor Murray.

Dr. C. L. Rich, until recently Secretary of the Clay Mineral Society (SMI), underwent surgery for a brain tumor in January. Our best wishes go to Dr. Rich for a rapid and complete recovery.

Prof. J. P. Quirk, formerly Head, Dept. of Soil Science and Plant Nutrition, University of New Hampshire, Durham, New Hampshire, has been appointed Director, the U.S. Agricultural Research Institute, Glen Osmond, South Australia.

Dr. Iuliu Radu, Institute of Geology and Geophysics, Bucuresti, Romania, has been working in the Laboratory of Marine Geology, Bologna, Italy for two recent months.

Dr. Carlos Senra who recently completed a doctoral program in the laboratory of Dr. J. M. Herratou, Instituto de Hidrologia y Biologia Vegetal, C.S.I.C., Madrid, was awarded a Fulbright fellowship and is working at Purdue University, West Lafayette, Indiana, with Dr. J. H. Albritt, Dept. of Agronomy, as well as with Dr. Charles Roth and J. L. White.

R. M. Taylor, Division of Soils, C.S.I.R.O., Glen Osmond, South Australia, has received a number of his colleagues to join AIPEA. New Australian members include: Dr. David G. Lewis, West Agricultural Research Inst., Glen Osmond; Dr. J. M. Oades, West Agricultural Research Inst.; Dr. Philip G. S. Slade, C.S.I.R.O., Division of Soils, Perth, Western Australia; Dr. D. A. Parrell, C.S.I.R.O. Division of Soils, Glen Osmond; Dr. R. M. McCallum, C.S.I.R.O., Division of Soils, Glen Osmond.

At the result of action taken at the Anniversary Meeting on January 9, 1974 of the Officers and Council of the Mineralogical Society, Dr. R. C. Henderson continues as Chairman of the Clay Minerals Group and Dr. J. L. M. Lambert as Director of Clay Minerals.

Katharine Mather, Chief of the petrography and Z-clay branch, Waterways Experiment Station of the U. S. Army Corps of Engineers, Tidmarsh, Mass., was named U.S. Woman of the Year; Mother's specialty is water.

She was a founding member of the Clay Minerals Society and served as President of EMS in 1977.

Professor W. D. Keller recently participated in an unpublicized program of presenting research findings in poster sessions rather than in the conventional oral presentation of a paper before an assembled audience. Prof. Keller arranged a display of photographs, maps, charts, etc. in a booth to illustrate his communication on "Bedsilled fabrics by scan electron microscopy of kaolinite from diverse origins". During the display at the 1974 meeting of the Mineralogical and Geological Society of America Keller found that many persons stopped by his booth, many to discuss his findings with him and not merely to listen.

Membership Drive in AIPEA Continued

There are many workers in clay science and technology who are not members of AIPEA. The cost of membership in AIPEA is very low and is within the reach of most workers. If your colleagues are not members of AIPEA please encourage them to complete an AIPEA Membership Application Form and return it to the Treasurer along with dues ($20.30 per year) payment.

Aim of AIPEA

The aim of AIPEA is to promote international cooperation in clay research and technology. To this end the activities of AIPEA include: the organisation of meetings—such as the International Clay Conferences every three years—of field excursions, and, of visits to centres of clay research and learning; the issue of publications on clay research and technology and of discussions thereon; cooperation with other organisations having an interest in clay research and technology.

Brief History

During the 16th International Geological Congress, London, 1948, Comite International pour l'Étude des argiles (CIPA) was established. Professor Ralph E. Coia, University of Illinois, USA, was elected the first president of the executive committee. Scientific sessions were arranged by CIPA at the International Geological Congress in Athens 1953, Mexico City 1956, and Copacabana 1960. In cooperation with other organizations scientific sessions were arranged in Amsterdam 1971, Paris 1973, and Brussels 1978.


At the conference in Jerusalem the Association Internationale pour l'Étude des argiles (AIPEA) was founded. The 1969 International Clay Conference was arranged in Tokyo, Japan. This was followed by the 1972 International Clay Conference in Madrid, Spain.

The 1975 International Clay Conference will be held in Mexico City July 16-23, 1975.
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The annual membership fee is as follows:

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