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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

newsletter February, 1982 n°18

Secr. Gen. A.J. Herbillon, Place Croix du Sud, 1 - B.1348 Louvain-la-Neuve, Belgium

In this issue

	Page
President's Podium	2
Council Affairs	3
Report of the General Assembly of AIPEA, 1981	4
Report of the 7th International Clay Conference	12
The W.F. Bradley Award	15
National Clay Groups	16
Recent death Dr Maribel Cruz Cumplido	31
Varia	32
Calendar of Meetings	34
New Books	36
Membership Application Form	37

President's Podium

This column, which was instituted by my predecessor, Dr. R. C. Mackenzie, cannot be put to better use than to thank him for all his efforts on behalf of AIPEA. I also wish to express our sincere thanks to the retiring Secretary General, Dr. A. Breeuwsma, for his excellent management of all AIPEA business during his term in office. We are also grateful to our Treasurer, Dr. H. Kodama who has fortunately agreed to continue in office, and to all members of Council for their services to AIPEA. It is due to the hard work of the Past President and Council that AIPEA affairs are in an excellent state of order.

May I also use this Podium to thank you all for the trust you have placed in me. I sincerelly hope that I shall not disappoint you. After his election Dr. Mackenzie wrote that it is a formidable task to follow in the footsteps of those who preceded him as Presidents of AIPEA. I can only reiterate this statement, adding one more name to the impressive list of Past Presidents.

We have had a most successful and dynamic conference in Bologna and Pavia, Italy. The scientific papers were of a high standard and covered a wide range of topics. We are now eagerly awaiting publication of the Conference proceedings. Our Editor-in-Chief, Dr. H. van Olphen, who has also agreed to continue in office, is hard at work processing the manuscripts. Meanwhile we have the informative monograph on "Advanced Techniques for Clay Mineral Analysis" edited by J.J. Fripiat, a record of the excellent lectures on the subject that concluded the scientific sessions on three days of the conference. It will be particularly appreciated by those who were not fortunate enough to hear the lectures and also by some who, though present, were occaionally too tired by the day's events to do justice to the material. In addition we have the beautifully produced guide books, valuable to those who participated in the fieldtrips and an invitation to others to follow in their footsteps.

Attractive posters displayed the development of AIPEA from its modest beginnings as CIPEA in 1948 to the meeting in Bologna last September. Slides and previous conferences roused nostalgic memories -mine

were suddenly interrupted by someone who remarked, truthfully but perhaps a little unkindly : "You all looked much younger then". However age does not daunt Clay mineralogists who, though regretting the absence of one of the oldest members of AIPEA, Prof. W.D. Keller, were encouraged by the thought that this was merely due to his irrepressible urge to inspect yet more kaolinite deposits, this time in China.

We are very grateful indeed to Professor Veniale and his colleagues for organizing an excellent conference. Much planning went into the arrangement of the scientific sessions and of the rich and varied social programme, which contained something for every taste. It was good to meet many old friends at the conference, but also to see the new faces cho bear witness to the growth of our society. A glance at the list of participants or at the membership list of AIPEA shows the truly interdisciplinary nature of our science. It is this which makes our conference so interesting, opening new vistas and demonstrating the ever-increasing potential of clay mineralogy.

We feel certain that the momentum will continue and that many more scientists with an interest in clays will join AIPEA. We also trust that regional groups will avail themselves of the status of Affiliated Society and thereby facilitate contact between members of AIPEA throughout the world. The yearly Newsletter is intended to promote such contact, which Council and I also hope to maintain on a personal level.

Our next International Clay Conference is planned for July-August 1985 in Denver, Colorado, USA. The local Organizing Comittee has the arrangements well in hand and there is every reason to believe that this will be a memorable event. We look forward to a large and active participation !

L. Heller-Kallai

Council Affairs

Council meetings in Italy

Two meetings of the AIPEA Council took place during the 7th International Clay Conference. The major decisions arising from the first meeting have been submitted to the General Assembly. The minutes of the General Assembly meeting are published in this issue.

The agenda of the second meeting was as follows : 1) Opening and welcome ; 2) 8th International Clay Conference in Denver ; 3) Editor for the 1985 Clay Conference ; 4) Appointment of auditors ; 5) Back volumes of Proceedings of ICC's ; 6) Standing Committee on Standardization of Preparation Techniques for Clay Minerals Analysis ; 7) Committe on Teaching of Clay Mineralogy ; 8) W.F. Bradley Award ; 9) Next Council Meeting ; 10) 9th International Clay Conference ; 11) Varia.

The next Council Meeting will take place during the next Conference of the European Clay Groups in Czechoslovakia (September 1983).

Membership List

Thanks to the joined efforts of our Past-President, Dr Mackenzie, Past-Secretary General, Dr Breeuwsma and Treasurer, Dr Kodama, the 1982 membership list of AIPEA is being mailed along with this newsletter issue. As explained earlier, this list results from the compilation of data coming from several sources. Nevertheless, errors or omissions are still possible. Your cooperation for keeping this list to date is kindly requested.

Statutes and By-Laws

A copy of the revised AIPEA Statutes, as approved by the General Assembly in Pavia, September 12th 1981, is appended to this issue. The attention of the National (or Regional) Clay Groups in formation is drawn on the article 3b of the Statutes. Under this article, any Society wishing to become affiliated to AIPEA must apply in writing to the Secretary General. A special procedure will be set up in order to affiliate officially the existing Groups or Societies which are already, but unofficially according to the new article 3b, members of AIPEA.

Report of the General Assembly of AIPEA, 1981

1. Opening and welcome

The President, Dr. R.C. Mackenzie, opened the meeting at 9.30 hrs in the Aula Magna of the University of Pavia. He welcomed the members (ca.150) and asked them to observe a minute of silence in memory of AIPEA members who had passed away since the last meeting, with particular reference to : Prof. C.W.Correns,

a founding member of AIPEA, Dr. J. Chaussidon, a Council Member and Prof. J. Rodriguez-Martinez.

Apologies for absence had been received from Prof. R.E. Grim, Prof. G.W. Brindley and Prof. A.J. Herbillon.

2. Minutes of the Business of the General Assembly at Oxford, July, 1978.

The minutes, as published in AIPEA Newsletter n° 15, were taken as read. There were no comments.

3. President's Report

Dr Mackenzie reviewed the activities of Council since the Meeting at Oxford as summarized in the Newsletter 15-17. He drew special attention to the :

1. appointment of Dr. Zheng as official representative to AIPEA from the Geological Society of China and to the presence of Dr. Zheng, along with Dr. Zhang, at the meeting;
2. publication by Prof. S.W. Bailey of a summary of all the reports of the Nomenclature Committee in many clay mineralogical journals ;
3. increase in membership as reported by the Secretary General and the publication of a membership list ;
4. revision of the Statutes and By-Laws, subject to approval by the General Assembly at this meeting ;
5. improvement in finances due to a substantial surplus of the 6th International Clay Conference in Oxford ;
6. The financial status allowed the setting up of a Travel Fund for Officers as outlined in the revised draft of the By-Laws and the foundation of an Award for young scientists to enable them to attend an International Clay Conference. Capital would be protected by ensuring that only interest on money can be used for these purposes. The capital sum itself would remain intact and could be recovered, if necessary, at any time for use for any essential purpose. It was decided to name the Award the "W.F. Bradley Award" in honour of Dr. W.F. Bradley, who died while President of AIPEA. The regulations would appear in the Newsletter and the first Award would be made in 1985. The General Assembly then ratified the establishment of the Travel Fund and the "W.F. Bradley Award".

On behalf of AIPEA, Dr. Mackenzie expressed deep appreciation to Prof. veniale and his colleagues for the great effort put into the organization of the 7th International Clay Conference. He also appreciated the great amount of work put into the running of AIPEA by both the Secretary General and the Treasurers. It was with great regret that he had to convey that the Secretary General was retiring at this meeting for business reasons.

4. Secretary General's report

Dr. Breeuwsma introduced the report distributed before the meeting and presented below.

a) AIPEA Newsletter 15-17

During the period '78-'81 a Newsletter has been published annually in the period January-March. This time of year proved most suitable for preparing annual reports by the Liaison Officers and for announcing forthcoming meetings of national groups.

In addition to regular contributions from national or regional clay groups, reports on international clay activities (e.g., International Clay Conferences, Meetings of European Clay Groups, IGCP Working Group on Genesis of Kaolins), the calendar of meetings, etc., two new items have been introduced, viz. the President's Podium and Council Affairs. Newsletter n° 16 also contained the current Statutes and a list of the Liaison Officers and Newsletter n° 17 an Addendum to the Membership List.

The format and presentation of the Newsletter have been altered to improve readability and to allow the reproduction of photographs. The title has been printed in blue, as it was before 1970, and the AIPEA emblem has been inserted to stimulate its use.

b) Membership

The number of members increased considerably from 518 in 1978 to 658 in 1981.
The geographical distribution as at June 1981 is :

USA	158	Japan	37	Other countries	
France	107	FRG	33	(10 members)	
Italy	84	Spain	31		92

Belgium	30
United Kingdom	28
Canada	24
Australia	17
Netherlands	15

Attempts to increase the number of members by sending Newsletter n° 15 to participants at the 6th International Clay Conference at Oxford and to lapsed members has not been particularly successful. The majority of new members came in through the national groups, especially through the large groups of the USA, France and Italy.

A new Membership List was published in 1980, the previous issue which appeared in 1972 being very outdated. The list was compiled from lists held by the Treasurer and the Secretary General and the camerareadу copy prepared at the President's Office. If there were discrepancies, the entry in the Treasurer's list was generally accepted as being most likely to be correct. Because of the rapid increase in membership, an Addendum to the Membership List had to be published in Newsletter n° 17, only one year after the publication of the list itself. A new edition of the list should soon be contemplated, in view of the large number of new members and of corrections.

The AIPEA recruiting document has been updated and distributed to Liaison Officers and participants of the 4th meeting of the European Clay Groups.

c) Relation with National (Regional) Groups

Two countries have established relationships with AIPEA in this period, viz. India and China.
Prof. Gokhale (Kanpur) has agreed to act as Liaison Officer for India on request of the Secretary General. Regarding the People's Republic of China, Dr. Zheng has been appointed official representative to AIPEA by the Geological Society of China.

The number of Liaison Officers has now increased to 26, representing 32 countries. Their major activity for AIPEA is the writing of reports for the Newsletter. About 50 % submitted reports during '78-'81. Some have been very active in compiling and updating the

membership list for their country and in recruiting new members.

d) Relationships with International Organizations

As AIPEA is an Affiliated Organization of the IUGS (International Union of Geological Sciences), annual reports on AIPEA activities have been sent to this organization. A general report of the 6th International Clay Conference written by the President was published in "Episodes", the new journal of IUGS. The President also represented AIPEA at a Council Meeting of IUGS in Paris in July 1980, where he presented an additional report. IUGS welcomes and wishes to maintain close relationships with all its Affiliated Organizations.

e) Publications

The list of Conference Proceedings (attached) was extended with the Proceedings of the 6th International Clay Conference, Oxford, 1978. Only two members of AIPEA have ordered copies through the Secretary General, despite the 30 % reduction to be obtained. Over 1100 copies were sold by March 1980. Prof. S.W. Bailey, Chairman of the Nomenclature Committee, prepared a "Summary of Recommendations of AIPEA Nomenclature" which was published in Clay Minerals 15 (1980), n°.1, in Clays and Clay Minerals 28 (1980), n°. 1, and in several other mineralogical journals.

On a motion by Dr. J.B. Dixon, seconded by Dr. W. Jackson, the Secretary General's report was adopted.

5. Treasurer's report

Dr. H. Kodama presented the following report :

INCOME	US $
Brought forward	5,802
Membership fees	7,868
Surplus from 6th Int. Clay Conf.	6,292
Bank Interest	784
	20,746

EXPENDITURE	
Newsletter, publication & distribution	3,284
Membership List, printing	603
Draft New Statutes, printing & postage	316
Printing of envelopes, stationery	572
Office expenses (postage, bank charge, etc)	283
Surplus for period	15,688
	20,746

ASSETS	
Cash in bank and in hand	7,489
Travel Fund	5,199
Award Fund	3,000
	15,688

Abstract of Income and Expenditure Account for the Period September 1978 to 31st May, 1981.

On a motion by Prof. J. J. Fripiat, seconded by Prof. M.L. Jackson, the Treasurer's report was adopted.

6. Editor-in-Chief's report

Dr. H. van Olphen informed the General Assembly about the selection procedure and presentation of papers submitted for the Proceedings. He hoped that the Proceedings could be published within half a year.

On a motion by Prof. M.L. Jackson, seconded by Prof. J.J. Fripiat, the Editor-in-Chief's report was adopted.

7. Report from the Nomenclature Committee

Prof. S.W. Bailey summarized the major decisions taken by the Nomenclature Committee at its meeting during the Conference. The detailed report would be published in the next AIPEA Newsletter.

It was moved by Dr. R.T. Martin, seconded by Dr. P. Hauff and carried unanimously that the report of the Nomenclature be adopted.

8. Revision of Statutes and By-Laws

The draft of the new Statutes and By-Laws of AIPEA had been mailed to the members in advance of the

meeting. In addition, spare copies were distributed before the meeting, along with a copy of the modifications proposed by Council at their meeting on 6 th September 1981. Dr Mackenzie explained the alterations taking each section very briefly.

On a motion by Dr. L.A. Douglas, seconded by Dr. R.T. Martin, the General Assembly unanimously approved the new Statutes and the modifications proposed by Council.

In discussing the By-Laws, Dr. Mackenzie said that Council proposed to alter the amounts of the annual subscriptions (By-Laws 1) to read :

		US $
(i)	individual member	6
(ii)	Institution or Company (Corporate memb.)	15
(iii)	Affiliated Society (< 50 members)	20
(iv)	Affiliated Society (> 50 members)	40
(v)	Life members (individuals)	120

In addition Council proposed to alter the amounts of Conference fees (By-Laws 3) to read :

		US $
(1)	Member of AIPEA	x
(ii)	Member of Affiliated Society, not a member of AIPEA	x + 20
(iii)	Non-member of AIPEA or Affiliated Soc.	x + 40

These and other minor alterations of the By-Laws were unanimously adopted by the General Assembly.

9. 8th International Clay Conference, Denver, 1985

The General Assembly gratefullly accepted the invitation by the Clay Mineral Society of the United States to hold the next International Clay Conference at Denver, Colorado. On behalf of the Organizing Committee, the Vice-Chairman, Dr. Ph. Hauff invited all the members to Denver.
She urgently requested members to inform the Committee on their interests by filling out the questionnaire in the brochure distributed at the Conference.

10. Election of new Council

Dr. Mackenzie reviewed the election procedure adopted by the Nominating Committee and approved by Council. Amongst other things, he noted that the President and Vice-President are chosen for their personal qualities such as integrity, leadership and level of scientific achievement. Three Ordinary Councillors are chosen each Conference. These are so chosen that the representation on Council serves as a cross-section of the geographical distribution of members. Moreover, it is attempted to maintain a balance of disciplines in Council. Furthermore, according to AIPEA tradition, the Chairman of the Organizing Committee of an International Clay Conference always goes on Council as an Ordinary Member of the next Council.
The composition of the present Council and that of the new Council as unanimously proposed by the Council, read :

AIPEA Council	1978-1981	1981-1985
President	Dr.R.C. Mackenzie	Prof.L.Heller-Kallai
Vice-President	Prof. A. Weiss	Prof.J.M. Serratosa
Secretary General	Dr. A. Breeuwsma	Prof. A.J. Herbillon
Treasurer	Dr. H. Kodama	Dr. H. Kodama
Past-President	Prof. S.W. Bailey	Dr. R.C. Mackenzie
Editor-in-Chief	Dr. H. van Olphen	Dr. H. van Olphen (1)
Ordinary Councillors	Prof. J. Konta	Prof. J. Konta
	Mr. D. Mitchell	Mr. D. Mitchell
	Prof. H. Minato	Prof.K. Nagasawa
	Dr. L. de Pablo	Prof.P. de Souza Santos
	Dr. G. Pedro	Dr. G. Pedro
	Prof. J.M. Serratosa	Prof. F. Veniale
Ex-Officio Members		
a. Representatives of the Org. Com. of Int.Clay Conf.		
	Prof. F. Veniale	Dr. J.B. Hayes (2)
	Prof. C. Palmonari	Dr. Ph. Hauff (2)
b. Chairmen of Standing Committees		
- Nomenclature Committee		
	Prof. S.W. Bailey	Prof. S.W. Bailey

- Standardization of Preparation Techniques
- Dr. J. Thorez (1)

(1) Appointed by the new Council.
(2) Nominated by the Organizing Committee of the 8th International Clay Conference and appointed by the new Council.

There were no nominations from the floor. The new Council was then elected en bloc.

11. Any other business
Prof. Schwertmann said that, as former Secretary General, he still had back volumes of old Proceedings. He suggested that these volumes could be ordered through the Secretary General at a price set by the new Council.
Dr. Mackenzie expressed his thanks to the General Assembly for its efficient cooperation, to the retiring members from Council and, last but not least to Prof. Veniale and his Committee. He closed the meeting à 10.45 hrs.

The Business Meeting was immediately followed by the Closing Ceremony. Prof. Veniale took this opportunity to introduce the AIPEA Flag : a blue flag with the AIPEA emblem and name in white. He closed the 7th International Clay Conference by presenting this flag to Dr. Ph. Hauff who represented the Organizing Committee of the next Inernational Clay Conference (the next "victim" !)

A. Breeuwsma

Report on the 7th International Clay Conference

The Seventh International Clay Conference, organized by the Italian Group of AIPEA, was held in Bologna and Pavia (Italy) on 6-12 September 1981.
About 360 participants and 80 accompanying persons from 46 countries attended the scientific sessions, social functions and excursions.
Among participants, about 90 were not members of AIPEA, 15 junior researchers and a large number was from East-European countries, organizing the next European Clay Meeting in Czechoslovakia (1983). Noteworthy, the presence for the first time of clay scientists

from China and near-East, Arabian and African areas.
The Italian Ministry of Scientific Research, the Rector of the University of Bologna, representatives of the Mayor of Bologna and regional Authorities attended the Inaugural Ceremony, awarding Dr. R.C. Mackenzie, past-President of AIPEA, and Prof. F. Veniale, Chairman of the Organizing Committee. On the occasion of the Farewell Party, the representative of the Mayor of Pavia awarded with the "Regisole" the newly elected President of AIPEA, Dr. Liza Heller-Kallai, and the Organizing Committee recognized Dr. H. van Olphen and Mr. M. Cathelineau as oldest and youngest participants, respectively.
The historical monumental and academic atmosphere of the "Aula Magna" permitted the ceremony of awarding Prof. Georges Millot of the University "L. Pasteur" - Strasbourg (France) by the University of Pavia with the "laurea honoris causa" in Geological Sciences in recognition of his fundamental and original contributions and research on clay geology and surface geochemistry.
About 10 participants encountered Lions and Rotarian fellows to a joint meeting organized in Pavia, renewing friendship and exchanging flags of their clubs.
Relevant and statistical data arranged in a series of pannels by Dr. Radko Kühnel, and the really continuous projection on a large multivision screen of slides illustrating persons and fects concerning the previous International Clay Conference stimulated comments and reminiscences on the story and men of AIPEA.
As said in the opening speech by Prof. Veniale, the "Italian style" was warmy, and also the "Italian" weather was mild and agreeable during the Conference time, except the day of transfer from Bologna to Milan-Sassuolo and Pavia, when stormy and heavy rain caused several troubles at the schedule.
In front of an incime of about US$ 150.000, the generous sponsorship by national, regional, municipal Ahthorities, and scientific and industrial Organizations made possible to cover the final budget of about US $ 210.0000 (including all services and transportations, social functions, dinners, shows, concerts, etc... ; furthermore, the publication of the special volume "Advanced techniques for clay mineral analysis" in addition to the Proceedings volume.
Seven scientific and several special sessions, two

seminars "Occurrences and genesis of sepiolite-palygorskite sediments and deposits" and "Clays and nuclear waste disposal problems", and a joint meeting with the Interested Group on Water-Rock Interactions of the IAGC (International Association of Geochemistry and Cosmochemistry) on "Equilibria and kinetics of clay minerals in aqueous solutions" allowed the oral presentation of about 150 communications.
Surprisingly, no paper has been presented at the special session "Colour in soil sediments".
Each day began with a general lecture on topics of current interest and each session was introduced by a chairman's review. About 90 posters were exhibited during two sessions.
A film on "Cultivation and amelioration of clay soils" produced by Prof. J. Simek, Prague had been projected as part of the special session "Clay in engineering and soil science".
The introductory lecture"X-ray identification of clay minerals : the treatments syndromes " by Dr. J. Thorez Liège, to the session "Investigational techniques" gave rise to much interest, promoting an extemporaneous session during the Conference, and the settlement of a working-group, investigating standard samples for comparison of different analytical techniques and results.
The texts of about 80 papers have been submitted for publication in the Proceedings volume, in addition to about 20 invited lectures, including the review on "Mica-clay minerals nomenclature".
A booklet devoted to the reviews and papers presented at the seminar "Occurrences and genesis of sepiolite-palygorskite sediments and deposits" will be printed separately.
The special volume"Advanced techniques for clay mineral analysis" including nine monographs presented at the Conference and handed to the participants, will be available and distributed by Elsevier at the beginning of 1982, including Authors and subjects index.
In spite of the reduced number of participants, in some instances, all the programmed field excursions ruled on. Three Guidebook have been printed and are available by Prof. F. Veniale, Chairman of the Organizing Committee (c/o Istituto Mineralogia, University, via Bassi, 4, 27100 Pavia, Italy), at the price of US $ 5 each (complete set US $ 10).

The W.F. Bradley Award

As stated in the minutes of the meeting of the General Assembly, we publish here the regulations for the W.F. Bradley Award, as approved in Pavia. Copies of these regulations (including the application forms) are already available from the Secretary General. A poster, announcing this Award, is presently in preparation. It will be sent to all national clay groups and, on request, to any individual member.

The W.F. BRADLEY AWARD.

1. The object of this award shall be to offer financial assistance to the recipientto enable him or her to participate in an International Clay Conference.

2. Candidates must submit a paper of not less than 2000 words in English, French, German, Russian or Spanish on a topic relevant to one of the sessions at the Conference. Papers written in a language other than English must be accompanied by an extended summary of not less than 1000 words in English. Assessment will be on scientific content only and the winning entry shall form the substance of a paper to be presented by the successful candidate at the Conference to which the award relates.

3. The award will normally be made at four-yearly intervals and initially will not exceed $ 1000, although the value will be reviewed from time to time. An award shall not be made if it is considered that candidates do not reach the required standard.

4. Persons eligible for the award shall be under 35 years of age on the closing date for submissions : no restriction is placed on the sex or nationality of the candidate or the nature of his or her employment. Every application must be supported by two members of AIPEA.

5. The selection committee shall consist of the President of AIPEA and four members nominated by Council of AIPEA. The paper must be in the hands of the selection committee at least six months before the Conference to which it relates.

6. A suitably inscribed certificate will be presented to the successful candidate at the Business Meeting of the General Assembly of AIPEA during the International Clay Conference. A portion of the prize may be sent to the successful candidate in advance in the form of a ticket enabling him or her to travel to the Conference.

7. The attached form must be completed and returned with each entry to arrive before the official closing date.

National Clay Groups

Belgium

Dr. R.A. Schoonheydt was the organizer of the last meeting of the Belgian Clay Group. This meeting was devoted to "Transition metals supported on clays" and was held in Leuven on June 10th 1981. It was attended by about thirty participants ; amongst them, several Dutch colleagues. The guest speaker at this meeting was Dr. H. Van Damme from Orléans, France.

A.J. Herbillon

Brazil

The third International Seminar on Laterization Processes will be held in Sao Paulo in July (4 - 12) 1982. For further details write to : Professor A. Carvalho, Instituto de Geociancias da USP, c P 208999, Sao Paulo, Brazil.

P. de Souza Santos

Czechoslovakia

The 9th Conference of the Czechoslovak Group for Clay Mineralogy and Petrology will take place in Svolen, Slovakia, from August 31st to September 3rd 1982. For further details contact : Dr. B. Čičel, Institute of Inorganic Chemistry, Slovak Academy of Sciences, 80934, Bratislava.
The Proceedings of the 8th Conference held in Teplice in October 1979 is now out of press. It contains

40 papers ; amongst them, 31 are written in English, 4 in German and 4 in Russian. This book can be obtained through exchange against any monograph related to a geological subject. If you have such a monograph in duplicate in your library, do not hesitate to offer it for exchange in writing to the editor of the Proceedings : Prof. J. Konta, Charles University, Albertov Prague 2.

J. Konta

France

Two meetings of the "Groupe Français des Argiles" were held in 1981, in Paris.
March 1981 : Organic reactions on clay minerals surfaces. The following papers were read :
- Pharmaceutical aspects of clay-organic interactions: J.L. White and S.L. Hem.
- Organic synthesis on mineral solid supports :G.Bram.
- Synthesis of new materials from clay minerals : Dr. G.H. Ballard.
- Stability of metalloporphyrines adsorbed on clays : Dr. H. Van Damme et F. Bergaya.
- Interaction of organic reagents at the sepiolite surface : E. Ruiz-Hitzky.
- Study of the adsorption of bis ethyl-2 hexyl phosphoric acid by clays in an organic medium : B. Siffert et J.J. Trescol.
- Adsorption of weedkiller molecules by some clay constituants : M. Terce.
- Adsorption of diethylamine by montmorillonite : P. Chassin.
- Oblique texture electron diffraction methods for investigation of clay minerals : V.A. Dritz.

November 1981 : Cristallochemistry of kaolinites and applications. This meeting was organized jointly with the "Société Française de Minéralogie" and the "Délégation Générale à la Recherche Scientifique et Technique". It lasted two days. The following papers were read :
- Properties of ideal kaolinite : structural calculations : R. Giese.
- Mineralogy of the Charentes'kaolinitic clays : J. Yvon, O. Lietard, J.M. Cases, J.F. Delon.
- Cristalchemistry, morphology and superficial properties of kaolinites : J.M. Cases, O. Lietard, J. Yvon, J.F. Delon.
- Evaluation of the effect of the structural iron on

the kaolinite cristallinity : M. Mestagh, A.J. Herbillon, L. Rodrique, P. Rouxhet, W. Stone, R.M. Torres.
- Iron in kaolinitic clays. Study by Mossbauer spectroscometry, EPR and EXAFS : D. Bonnin, S. Muller, G. Callas.
- Structural characteristics of the Charentes' kaolinitic clays : C. Tchoubar, A. Plançon, C. Sow.
- Study by infrared spectrometry of desordered kaolinites : C. Sow, J.J. Fripiat, M. Cruz.
- The kaolinites from Provins' clays : geology, cristallinity and properties: M. Thiry.
- Correlation between the amorphisation state and the hydraulicity of metakaolin.
- Industrial preparation of kaolinitic clays by the humid way : J.L. Cardini.
- Industrial preparation of kaolinitic clays by the dry way : P. Garin.
- Valorization of the Charentes' kaolinitic clays : improvement of the coating aptitude of papers and cardboards : G. Sauret, P. Richard, J.F. Delon, O. Lietard.
- Valorization of the Charentes' kaolinic clays in building industrial ceramic : J.F. Delon, M. Vaucquelin, J. Yvon.
- The deshydroxylation mechanisms of kaolinites. C. Otero, J.J. Fripiat.
- The mechanism of thermal transformation of metakaolinite : J. Lemaitre, A.J. Leonard, B. Delmon.

At the Annual General Meeting of the group, the following committees were elected to serve for the 3 coming years :
Chairman : C. Tchoubar
Treasurer-Secretary : M. Rautureau

From the 1/1/1982, the address of the Group Secretary is :
Dr. Rautureau
Laboratoire de Cristallographie
Université d'Orléans
45046 - ORELANS - CEDEX

The spring meeting of the French Group will be held in Paris on March, 18th, 1982. The topic is "Utilisation des éléments en trace pour caractériser les milieux de formation".
The Autumn meeting 1982 will be held in Clérac (Charente Maritime) on September 23rd, 1982. The topic is the new developments in industrial utilization of clays.

H. Suquet

German Democratic Republic

The 5th Clay Conference of the GDR was held in Greifswald. It had nearly 150 participants; among them 20 foreign guests from Algeria, Czechoslovakia, Denmark, Hungary, Iraq, Poland, Romania and the Soviet Union. A total of 33 papers and 12 posters were presented. They dealt with the following subjects :

Opening session

Störr, M. (Greifswald) : Recent trends in the investigation and utilization of clays.
Kossovskaya, A.G. (Moscow) : Geochemistry of dioctahedral smectites.
Hofmann, H. & Schönborn, N. (Freiberg) : Response of selected clays to acid treatment.

The following subject complexes were studied in several papers :
- Structure and identification of clay minerals
  7 papers
- Geochemistry and petrology of clays
  8 papers
- Beneficiation and application of clays
  14 papers

The posters prepared by scientists and students of the Department of Geological Sciences of Greifswald University dealt with the following subjects :

Adolphi, P. & Schomburg, J. (Greifswald) : Survey on secondary mineral raw-materials used in building ceramics.
Felix, S. (Freiberg) ; Landgraf, K.F. (Greifswald) & Starke, R. (Freiberg) : Further mineralogical data on the tosudite of Ehrenfriedersdorf.
Henning, K.H. (Greifswald) & Flechsing, (Vogelsgrün): Mineralogical investigation of the mica and kaolin minerals of the tin mine at Ehrenfriedersdorf.
Henning, K.H. (Greifswald); Reinhardt, B. (Heidenau)& Regensburger, R. (Dresden) : On the use of photogrammetry in the examination of surfaces by stereoscopic electronmicrographs.
Henning, K.H. ; Störr, M. & Zwahr, H. (Greifswald) : Electronmicroscopic investigation of Au-decorated

specimens of kaolinite minerals.
Landgraf, K.F. (Greifswald) : Comparative investigations for determining the composition of muscovite montmorillonites based on X-ray data of the glycol complexes and the refraction effect of organic intermediate layers.
Münzberger, E. (Greifswald) : The use of geoelectrics in the prospecting kaolin deposits.
Schomburg, J. (Greifswald) : Combined thermo-analytic investigations of mixed-layer minerals of the muscovite montmorillonite type.
Störr, M. ; Beck, H. ; Ullrich, B. & Zwahr, H. (Greifswald) : Secondary minerals in kaolins and clays.
Störr, M. & Luckert, J. (Greifswald) : On the Upper-Carboniferous weathering crust in the Zwickau region.
Störr, M. & Ullrich, B. (Greifswald) : Friedland clay as a moulding sand binder.
Zwahr, H. (Greifswald) ; Müller, S. (Berlin) & Störr, M. (Greifswald) : Bleaching of the filler and coating kaolins of the deposit at Caminau near Königswartha.

On the last day of the conference two excursions were made :
Excursion A.: Geology and mineral resources of the Isle of Rügen.
Excursion B.: Deposits and utilization of mineral resources in E-Mecklenburg.

The papers will be published as contributions to the mineralogy and technology of clays in the "Schriftenreihe für Geologische Wissenschaften" published by the Akademie Verlag Berlin.

The clay conferences of GDR, held since 1965 every fourth year, are organized by the Geological Sciences Department in cooperation with the working group on "Clay minerals and phase analysis" of the Society of Geological Sciences of the GDR (SGS). This year it has been held on the occasion of the 525th anniversary of the foundation of the Ernst-Moritz-Arndt-University, Greifswald. All participants were given the opportunity of getting acquainted with the history of the University and visiting the art collection of the University.

Manfred Störr

Great Britain and Ireland

Spring Meeting 1981 : This meeting was organized jointly with the Petroleum Exploration Society of Great Britain at Churchill College, Cambridge on April 10, 1981 on the theme "Clays in the Discovery and Recovery of Petroleum". Ten papers were read (listed in the last Newsletter) abstracts of which may be obtained from the Group Secretary. It is intended to publish most of these papers in full in a special issue of "Clay Minerals" which is being financed to a large extent by contributions from the petroleum industry.

Autumn Meeting 1981 : This meeting was held at the Royal Entomological Society, London on November 6, 1981. The following papers were read.

Invited lecture : Biochemical and Biological Aspects of Mineral Weathering. M. Robert (C.N.R.A. Versailles)
Charge on the Surfaces of Two Soil Chlorites. A.A. Jones (University of Reading).
Astudy of the Structure and Swelling of fibrous and granular Saponite. A. Cowking (Robert Gordon's Institute of Technology, Aberdeen) and M.J. Wilson (The Macaulay Institute for Soil Research, Aberdeen).
The Application of Surface Analytical Techniques to Mineral Soils. L.R. Hazell (B.P. Research Centre).
X-ray Photoelectron Studies of Lepidolite. S. Evans and E. Raftery (University College of Wales, Aberystwyth).
A Ball Clay Suite from Southern England : Relationship of Applied Properties to Composition. A.J. Bloodworth and R.D. Wilmot (Institute of Geological Sciences, London).
Intercalation of Synthetic Buserite by Alkylammonium Chlorides. E. Paterson, D.R. Clark and J.M. Tait (The Macaulay Institute for Soil Research, Aberdeen).
The Film Forming Ability of Iron Oxides. R.M. Cornell (University of Oxford).
Clay Minerals in the veins of the North Pennine Orefields. F.W. Smith and R.G. Hardy (University of Durham).

Abstracts of the above papers may be obtained from the Group Secretary.

At the Annual General Meeting the following committee was elected for the coming year.

Chairman	Mr J.A. Bain
Secretary	Dr M.J. Wilson
Treasurer	Dr D.C. Bain
Principal Editor	Dr D.J. Morgan
Committee Members	Dr J.M. Adams
	Dr C.V. Jeans
	Dr W.B. Jepson
	Dr H. Shaw
	Dr C.M. Shepperd
	Mr M. Stentiford

Spring Meeting 1982 : This meeting is being organized jointly with the British Occupational Hygiene Society, Scottish Group and will be held in Lecture Room B, David Hume Tower, University of Edinburgh on Friday April 16, 1982. The theme of the meeting is "Clays and Fine-Grained Minerals in Relation to Health". The following papers will be read :

Keynote Address. A Review of Occupational Disease Related to Mineral Dust. A. Seaton (Institute of Occupational Medicine, Edinburgh).
Fibrous Minerals and Health in Turkey. P. C. Elmes, (MRC Pneumoconiosis Unit, Penarth).
Role of Clay Minerals in the incidence of non-filarial elephantiasis of the lower leg. E.W. Price (London School of Hygiene and Tropical Medicine) and W.J. McHardy (The Macaulay Institute for Soil Research, Aberdeen).
Mineral Composition of Respirable Coal Dusts. J. Addison (Institute of Occupational Medicine, Edinburgh).
Detection and Quantification of microgram quantities of Asbestos in Tissue. F.D. Pooley, University College of Cardiff.
X-ray Diffraction and Infra-Red Spectroscopic Methods for the Analysis of Crystalline Silica in Air-Bone Dust. K.J. Pickard (Health and Safety Executive, London).
Pneumoconiosis in China Clay Workers. P.O. Oldham (MRC Pneumoconiosis Unit, Penarth).
Cytotoxicity Studies on certain Standard Clay Minerals. I.P. Gormley (Institute of Occupational Medicine, Edinburgh).
Studies on the in-vitro cytotoxicity of Kaolin and Related Minerals. R. Davies (MRC Pneumoconiosis Unit Penarth).

Abstracts of the above papers and registration forms for the meeting may be obtained from the Group Secretary, Dr M.J. Wilson, Dept of Mineral Soils, The Macaulay Institute for Soil Research, Craigiebuckler, Aberdeen, AB9 2QJ.

Meeting of the Geological Societies of the British Isles : This meeting will take place at the University of Glasgow from September 22-26, 1982. In conjunction with the British Sedimentological Research Group, the Group is organizing a half-day symposium on September 25, on the theme "Clay Minerals in Recent Sediments". Write to the Group Secretary for further details.

Autumn Meeting 1982 : This will be held in London on November 5, 1982. There is no particular theme for this meeting and offers of papers on any aspect of clay mineralogy should be sent to the Group Secretary as soon as possible.

M.J. Wilson

Hungary

On the sessions held regularly in Budapest, the following papers were presented :

January :
Nagy, B. : Clay minerals related to different types of mineralization in the Nagybörzsony hydrothermal ore deposits /Börzsöny Mts., N. Hungary /.

February :
Mátyás, E., Papp, J. : The present state of zeolite prospection in the Tokaj Mts. / NE. Hungary/.

March :
Patzko, Á., Szántó, F., Varju, Gy. : Cosedimentation of kaolinite-montmorillonite suspensions. A model of formation of the Rátka spotted kaolin deposit / Tokaj Mts., NE. Hungary/.

April :
Bottyán, L., Gadó, P., Griger, Á. : X-ray diffraction method of phase analysis of bauxites developed in the Department of Material Science, Hungarian Aluminium Corporation/ Aluterv-FKI/.

May :
Stefanovits, P., Varju, M. : Clay mineralogy of typical Hungarian soils.

June :
Dódony, I., Bognár, L. : Transmission electron micros-

copic and X-ray diffraction investigation of synthetic calcium silicates and aluminates.
Jankó, A. : Scanning electron microscopic, X-ray diffraction and thermoanalytical investigation of a ring formed in clinker firing furnace.
October :
Bidló, G. : Mineralogy of red clays in the southern part of Bükk Mts. / N. Hungary/.
Szendrei, G., Pártai, G. : Contributions to the repartition of clay minerals in soils / sodic soils in the Hortobagy areas / E. Hungary /.
Nemecz, E. : Mineralogy and genesis of Felsöpetény halloysite / N. Hungary /.
Csillag, J., Trazsdik, L. : Mineralogy and geology of the Felsöpetény halloysite-bearing clay complex.
Bihari, Gy. : Problems of geological structure and industrial application of the kaolin-bearing sandstone at Babal Mountain, Sárisáp / Dorog Basin, N. Hungary/.
November :
Kocsárdy, É. : Characterization of the minerals in the kaolinite group by IR spectroscopy.
Földvári, M., Balogh, K. : Application of IR spectrophotometry to purity control of glauconite minerals/ used to radiometric age determination/.
December :
Nagy, B. : Clay minerals associated with the hydrothermal mineralization at Gyöngyösoroszi / Matra Mts., N. Hungary/.
Orcsik, E. : The effect of clay minerals on the weathering of limestones.

On Febr. 2, 1981, the new board of the Clay Minerals Group was elected :

Chairman : Dr. Gyula Varju
Hungarian Geological Institute
H-1442 Budapest, Népstadion ut 14. Pf.106.

Secretary Maria Földvári
Hungarian Geological Institute
H-1442 Budapest, Népstadion ut 14.Pf.106.

István Viczián

India

On May 28th 1980, in New Delhi, the Clay Minerals Society of India was formed. The present membership of the Society is about 100 and consists of clay scientists from different disciplines such as Soil Science, Geology, Civil Engineering, Ceramic Technology, Physical and Inorganic Chemistry, Petroleum Technology,etc. The official affiliation of the Clay Minerals Society of India to AIPEA is now in process. The Secretary of CMSI is Professor G.S.R. Krishna Murti, Division of Agricultural Physics, Indian Agricultural Research Institute, New Delhi, 110 012.

Israel

The Isreali Clay Minerals Group held its 1981 meeting in Jerusalem on the 28th April. The program of the meeting included the following presentations :
A. Padan, H. Kisch and R. Shagam : Use of the b parameter in dioctahedral illites for measuring the temperature-pressure gradient in low metamorphic phyllitic rocks.
M. Frenkel : Controlled release of drugs by adsorption on the surface of clay minerals.
Z. Munster : Diagenetic kaolinite in the Amir Formation, Southern Negev, Israel.
A. Singer : Marine hydrothermal clays.
Y. Nathan and D. Soudry : Authigenic silicates in the Negev phosphorites.
Z. Aizenshtat and L. Heller-Kallai : Catalytic dissociation of fatty acids by monionic montmorillonites. A preliminary study.

Y. Nathan

Italy

The Council of the Italian Group elected for acting 1981-1985 is as follows :

President : Prof. G.L. Morelli
SGEL-AGIP
ENI Research Center
Metanopoli
20097 S. Donato Milanese (Mi).

Vice-President : Prof. P. Ferla (Palermo)
Post-President : Prof. P.P. Mattias (Roma)
Secretary : Prof. A. Pozzuoli
Istituto Mineralogia-Universita
Via Mezzocannone 8 - 80134 Napoli.

Treasurer : Prof. Mrs E. Arduino
Istituto Chimica Agraria - Universita
via P. Giuria 15 - 10125 Torino.
Members : Prof. V. Amicarelli (Bari)
Prof. G. Braga (Pavia)
Dr. G. Lenzi (Roma)
Dr. C. Melloni (Bergamo)
Prof. G. Ristori (Firenze)
Prof. F. Sartori (Pisa)
Prof. G. Vianelli (Bologna)
Prof. P. Violante (Napoli)

The approximate date of next meeting is first half September 1982, at ENI Research Center in Milan.

F. Veniale

Japan

The 25th General Annual Meeting (1981) was held at the lecture room of the Chemical Society of Japan, Ochyanomizu, Tokyo from November 25 to 27. About 50 papers and 5 general lectures were presented.
The lectures were as follows :
On the meaning of clay investigation between geology and crystalstructure. Prof. T. Sudo.
Volcanic activity and clay. Prof. J. Ossaka.
Clay in agriculture. Dr. Y. Watanabe.
Activity of the Clay Society of Japan. Dr.B. Okino (President of the Society).

A ceremony in commemoration of the 25th Annual Meeting of the Society was held in this time and Dr. T. Kida, Prof. H. Minato, Prof. K. Nagasawa and Prof. M. Wada were congratulated by the Society for their activities.

A Symposium "X-ray diffraction methods for study of clay minerals" was held on November 28 at Hayama, Kanagawa Pref. About 15 papers were presented.

H. Minato

The Netherlands

The last meeting of the "Dutch Gespreksgroep Kleimineralen" took place in Wageningen on January 21st 1982. The following papers were read :
G.H. Bolt (Wageningen) : An overview of models describing the variable charge surfaces.
S.J. van der Gast (Texel) : Suppression of background reflections in the X-R spectra of clay minerals.

P. Buurman

Scandinavia

The Spring meeting was held in Finland, May 25-26. It consisted of scientific sessions as well as of laboratory and field studies.

The first visit was given to the factory and laboratories of PARTEK, an industry having started in the old times with lime and cement and diversifying to building material and products used for improvement of environment.

The scientific sessions were held at the Research Station Själo in the archepelago of Abo. Veiko Lappalainen from Abo University, Quaternary Dept., first gave an introduction. A loaded programme followed :
Pertti Nieminen (Tammerfors Inst. of Technology) : About specific surfaces of clay minerals.
Martti Romu (Abo Univ. Quarternary dept.) : The Post glacial clays of Österbotten, Finland, as raw material in the brick industry.
Leo Keinonen (Tammerfors Inst. of Technology, Geotechnical dept.) : A thermodynamical treatment of the movement of water in soil.
Per Arne Melkerud (Swed. Univ. of Agric. Sc., dept. of Forest Soils, 750 07 Uppsala) : Preliminary results from acidification experiments in till soils, with special regard to the clay fraction.
Stig Ledin (Swed. Univ. of Agric. Sc., dept. of Soil Sc.) : Calcite formed in clay after mixing with CaO.
Elen Roaldset (Oslo Univ., Inst. of Geol.) : Clay mineral studies of a deep-weathered rock in West Norway.
Andrew Hurst (Statoil, Stavanger, Norw.) : Clay mineral formation in oil reservoir sandstones.
Liisa Carlsson (Helsingfors Univ., Inst. of Geol.) : Precipitation of iron from ground water, mineralogical and geochemical aspects - an example from Salo water plant.
Veiko Lappalainen and Martti Romu (Abo Univ., Quatern. Dept.) and Esko Kankare (State techn. Research station Lab. for Roads and Traffic, Finland) : A typical example of a landslide in south western Finland.

Back to the main land with visits to Salo water plant, to an earth damm at Maaria close to Abo, and to a locality of a landslide in the "students village",Abo.

The annual autumn meeting was held in Stockholm, on Dec. 3rd, 1981.

There were reports from the AIPEA meeting in Italy and from the meeting of the European Clay groups by AMB and Elen Roaldset. The scientific sessions had the following programme :
Häkon Rueslatten (Inst. of Techn. Trondheim, Norway) : Weathering of Podzol in southern Norway.
Ivan Th. Rosenqvist (Univ. of Oslo, Inst. of Geology): Acid soil- acid water.
Arne Gustavsson (Höganäs AB, Höganäs) : A kaolin weathered drumlin-, What can be learnt ?
Jan Erik Otterstedt (Chalmers Inst. of Techn., Göteborg, Chemical Technology) : The use of clays (kaolin) in the production of catalysts.
Torbjörn Karlsson (Lulea, Inst. of Techn., Div. of Soil Mechanics) : Low angle XRD analysis of Na-montmorillonite in water suspension.
Heino Roosaar (Tyréns - geotechnical consulting - Stockholm) : The tunnels under Stockholm city.

The group has just above 100 members and 9 supporting firms.
There were a few changes on the board :
President : Dr Elen Roaldset, Norsk Hydro A.S. Oslo
Secretary : Dr Stig Ledin, Inst. för markvetenskap. Lantbrukshögskolan, 750 07 Uppsala.
Treasurer : Gunnar Borg, Kvartärgeologiska Inst. Uppsala Universitet, Box 555, 751 22 Uppsala.
Other representatives are :
Denmark : Knud Binzer DGU (with suppl. Jan Bondam,CGU).
Finland : Liisa Carlsson, Helsingfors Univ. (Suppl. Martti Romu, Abo Univ.)
Iceland : Hrefna Kristmannadottir, Orkustufnun, Reyknavik (suppl. Jens Tomasson).
Norway : Hakon Rueslatten, NTH, Trondheim (suppl. Andy Hurst, Statoil, Stavanger).
Sweden : Ahmed Shaikh, SGU, Uppsala (suppl. Anders Eriksson, AIB, Stockholm).

There are still some copies left of the abstracts from the Oslo meeting of the European clay group. Contact Treasurer Gunnar Borg if you want a copy.

Next meeting of the group is planned to be held in Denmark, likely in early June 1982

Ann Marie Brusewitz

Spain

The 6th annual meeting of the Spanish Clay Society took place in Madrid on december 11, 1981.
Approximately 50 participants from Universities, Public Research Institutions, Industries and Mining Companies attended the meeting.
The first part of the meeting was devoted to a round table discussion on the following topics : a) teaching of Clay Mineralogy at the Universities ; b) present status of Clay research in Spain and the needs of the Spanish industries.

In the scientific session the following papers were presented :
Etude par diffraction de rayons-X des gels de vermiculite. C.H. Pons - Grupo de Fisico-Quimica Mineral - Universidad de Orleans, Francia.
Estudio del orden-desorden, por difraccion de rayos X en el apilamiento de laminas en una nontronita potasica anhidra. C. de la Calle - Instituto de Quimica Inorganico "Elhuyar". C.S.I.C. Madrid.
Efecto de la forma de particula en los espectros IR de oxidos en polvo. J.L. Rendon, J.E. Iglesias y C.J. Serna - Grupo de Fisico-Quimica Minera. CSIC. Madrid.
Esquistos carboniferos de algunas cuencas de Sevilla y Badajoz : su utilizacion en la industria ceramica. R. Gonzalez Quesada, J.M. Mesa Colmenar y G. Garcia Ramos - Depto. de Quimica Inorganica. Facultad de Ciencias. Sevilla.

Afterwards, the General Assembly of the Spanish Clay Society was held. Elections of new officers of the Council were conducted:

President		: J.A. Rausell-Colom
Vice-President	(new)	: J. Linares
Secretary		: M. Doval
Treasurer	(new)	: M. Rodas
Members		: S. Martin
"		: A. Alvarez
"	(new)	: M. Sanchez-Camazano
"	"	: A. Ruiz-Amil

Finally, the winner of 1980 Tolsa Award was announced to the Assembly. This award has been established by a decision of the Board of Directors of Tolsa, a company that mines and commercializes spanish sepiolites in order to encourage research in general and techn -

logical aspects of clays, among young spanish graduates. The prize is awarded yearly by a jury constituted by two members of the research staff of Tolsa and three members nominated by the Spanish Clay Society.
The winner of the 1980 edition was Mrs B.Casal, Grupo de Fisico-Quimica Mineral. C.S.I.C. for her work on "Interaccion de epoxidos con superficies silicicas".

An accesit was awarded to : J.L. Tirado, Department of Agricultural Chemistry, University of Cordoba, for his work on : "Composicion, propiedas y genesis de las arcillas del yacimiento de Hinojosa del Duque.Cordoba".

J. M. Serratosa

U.S.S.R.

Scientific meetings :
1981, June, Kustanay (N. Kasakhstan). Conference on weathering crusts and bauxites (genesis and mineralogy).
1981, November, Novosibirsk. Lithological conference (sedimentation in the geological history of the Earth).
Books :
Vitovskaya, I.V. and Bougélsky, Yu.Yu. Ni-bearing weathering crusts. Moscow, Nauka-Press, 1982.

B.B. Zvyagin

China

Last news : as this newsletter was almost ready for printing, we received the following information :

The Ist National Clay Symposium was held at Jingdezhen the famous procelian city in Jiangxi province, from Oct. 29th to Nov. 2nd 1981.
Approximately 180 participants attended from most provinces and brought about 150 papers on many branches of clay science. The meeting opened with a plenary lecture by Prof. Zheng on "The Achievement of 7th International Clay Conference". A full two-day field excursion was arranged to visit the kaolin deposits in Kaoling Village and Tai-chou.

Prof. Zhang Ren Jun

Recent death

Dr. Maribel Cruz Cumplido (1935-1981)

Maribel Cruz died at the age of 46, on October 30, 1981. For those who met Maribel full of life a few years ago, her dead could sound like something impossible. She died after three years of struggle with her illness, last fall, in France.

Maribel Cruz was born in Spain. After graduating at the University of Granada, she received her Ph. D. in Chemistry in 1965, at the University of Madrid, with Prof. Mac Ewan. From then on, Maribel shared her time between Europe and the United States. She moved to the United States for the first time in 1962, becoming Assistant Professor at Purdue University with Prof. Joe L. White until 1968. Back in Europe, she was then Chef de Travaux at the University of Louvain in Belgium, from 1968 till 1971, collaborating with Prof. J.J. Fripiat. She moved for the second time to the U.S. in 1972, teaching as Associate Professor at the University of Illinois. In 1979, she was appointed Maître de Recherche at the C.N.R.S. in France.

The too short research carrier of Maribel Cruz is characterized by a life-long interest in the structural and surface chemistry of clay minerals. She studied a broad range of subjects, such as the synthetic chemistry of hydroxysalts, the stability of pesticides on clay surfaces, the nature of interlayer bonding and the mechanism of intercalation in kaolin minerals, the dynamics of adsorbed phases, the photochemistry of adsorbed dyes, ... Most of her work was spectrocopic in nature, with classical tools such as infrared spectroscopy or X-ray diffraction, but also with more unusual techniques in surface chemistry such as NMR, dielectric measurements, UV-visible or fluorescence spectroscopy.

Maribel had many friends all over the world. One of the reasons for that was her virulent anti-racism even in its most "innocent" forms. She used to say that people working in the field of clay minerals form a group of scientists where the relationships are particularly human and friendly. As long as people like Maribel will exist, we may be ensured that this will continue.

All those who had the opportunity to work with her will remember her enthusiasm but also her will which

led her to go further when most of us would have given up.

H. Van Damme

Varia

Representativeness of AIPEA Council

The new Membership List being distributed with this issue of the AIPEA Newsletter provides an excellent opportunity of checking how well ICTA Council represents members geographically. Unfortunately, insufficient data is available to check disciplinary representation, but this may be a task for someone in the future, as clearly both aspects are important for the well-being of the Association.

From the geographical distribution fo the total membership of AIPEA (725 - Table 1) one can calculate the number of members represented by one Council member in each area. This does not substantiate the view that Western Europe and North America are over-represented on Council but does indicate that India, Far East and Australasia are rather under-represented.

Table 1. Geographic distribution of AIPEA members and Council representation

Region	No.of Memb.	No.of Counc.	Memb./ Counc.
West. Eur.	379	7	54
North Amer.	206	4	51
Ind. Far East Australasia	71	1	71
East. Eur. USSR	31	1	31
Centr. & South Amer.	20	1	20
Middle East Africa	18	1	18
TOTAL	725		

However, having regard to the fact that Officers and Chairmen of Committees are selected for special abilities or skills, irrespective of region or nationality, it is interesting that representation is sufficiently spread for all regions with more than 15 members to be represented.

R.C. Mackenzie

Report of the AIPEA Nomenclature Committee

The extended report of the AIPEA Nomenclature Committee, prepared by its Chairman, Dr S.W. Bailey, is attached to this letter. As its predecessors (see namely, Summary of recommendations of AIPEA Nomenclature Committee in Clay Minerals, 15, 85, 1980), the present report is going to be largely diffused in several relevant journals. The General Assembly decided, however, to make it available to any AIPEA member.

Committee on Standardization of Preparation Techniques for Clay Minerals Analysis. - 1st announcement.

At its last meeting, the AIPEA Council established a new "ad hoc" Committee on Standardization of Preparation Techniques" under the chairmanship of J. Thorez.

As the name of the Committee implies, its work will involve a study of methods of preparation of clays before X-ray diffraction and other techniques of clay analysis. Initially, methods of dispersion and extraction of the clay fraction has been selected for studies.

In order to have a standard with which to compare the various methods of clay preparation used by different laboratories, a reference sample will be sent to those interested in participating in the project. A claycy material outcropping in Belgium has been chosen since it seemed to meet the requirements of the prospective participants whatever their field of interest : cristallography, clay geology, soil science, geotechnic, etc. The sample is available from the address below. It is hoped that those interested will subject the sample to their normal methods of preparation. The obtained results will be summarized and the report discussed during the next meeting of the European Clay Groups in 1983.

The participation of everyone is welcome.

For further information, please contact : J. THOREZ,
Clay Laboratory, Institute of Mineralogy,
Liege State University, Place du XX Août, 4
B 4000 Liège - Belgium.

Calendar of Meetings

1982

March 18 : Meeting of the French Clay Group. Paris, France (see page 18).

March 29-April 6: Symposium on Physical Chemical Properties of Colloidal Particles. Las Vegas, USA. (Prof. Ph. Low, Purdue University, Dept. of Agronomy, Lafayette, In., 47907).

April 16 : Spring Meeting of the Clay Minerals Group. University of Edinburgh, U.K. (see page 22).

July 1-4 : 3rd Seminar on Laterization Processes. Sao Paulo, Brazil (see page 16).

August 8-3 : C.M.S. Annual Meeting. University of Hawaii, USA. (Dr R.C. Jones, University of Hawaii, Dept. of Agronomy, 3190 Maile Way, Hawaii 968882).

August 26-30 : 10th International Symposium on the Reactivity of Solids. Dijon University, France (Prof. P. Barret, Faculté des Sciences, Mirande, B.P. 138, F 21004 Dijon, France).

August 31-September 3 : 9th Conference of the Czechoslovak Group for Clay Mineralogy and Petrology. Svolen, Czechoslovakia (see page 16).

September : Thermodynamic Aspects of Clay Minerals in Weathering and Diagenis Processes. Milano, Italy (see page 26).

September 23 : Meeting of the French Clay Group. Clérac, France (see page 18).

November 5 : Autumn Meeting of the Clay Minerals Group. London, U.K. (see page 23).

Next International Clay Meetings

1983 : 5th Conference of the European Clay Groups.

Since October 1981, our Czechoslovak colleagues are at work preparing this conference. It will be held in Prague, in September 1983. The organizing Committee has been set up and is as follows :

President : J. Konta
Vice-President : J. Neužil
1st Secretary : J. Šindelář
2nd Secretary : K. Melka

1985 : International Clay Conference (Denver, U.S.A.)

The 8th International Clay Conference will be held from July 28-August 2, 1985, in Denver, Colorado,USA. Hosts for the Conference are The Clay Minerals Society and the United States Geological Survey. A major theme of the technical program will be the relationship of clays and associated minerals to energy exploration and resource development. Numerous field excursions will give participants an opportunity to see varied deposits of clays and associated minerals of scientific and commercial significance throughout the United States.

Denver Stapleton International Airport is served by direct connections to Europe and Asia. Because Denver is linked to major highways in all directions, it is the ideal place from which to begin or end scientific excursions or pleasure trips anywhere in the United States, and especially in the Rocky Mountain West.

For more information see the brochure that is being sent to all AIPEA members ; please let the Organizing Committee know of your interests by completing the questionnaire attached to the brochure.

Correspondence may be addressed to :

Organizing Committee
1985 International Clay Conference
P.O. Box 25046, MS 917
Federal Center
Denver, Colorado 80225, U.S.A.

Special inquiries should be directed to the following committee members :

General Chairman : John B. Hayes
Administration : Phoebe L. Hauff
Field Excursions : Harry A. Tourtelot
Publicity : Donald L. Gautier
Technical Program : Leonard G. Schultz

New Books

Clay Minerals. by E. Nemecz, Akademiai Kiado, Budapest, 1981, 547 p. Available from Foreign Trading Company, H 1389 Budapest 62, POB. 149, Hungary.

Proceedings of the 10th International Kaolin Conference. Budapest, 1979.
These proceedings will appear in 1982 as a special issue of the Journal "Acta universitatis Szegediensis, Acta Mineralo-Petrographica". This book will be sent free of charge to the members of the IGCP working group "Genesis of Kaolin".
Information : Dr I. Viezian, Hungarian Geological Instituten Népstadion, ut 14, Pf 106, H 1442, Budapest, Hungary.

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Imprimé à la Ciaco - Louvain-la-Neuve