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МЕЖДУНАРОДНЫЙ КОМИТЕТ ПО ИСТОРИИ
ГЕОЛОГИЧЕСКИХ НАУК
INTERNATIONAL COMMITTEE ON THE HISTORY
OF GEOLOGICAL SCIENCES



ИНФОРМАЦИОННЫЙ БЮЛЛЕТЕНЬ № 9
NEWSLETTER N 9

Москва 1975

Moscow 1975

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МЕЖДУНАРОДНЫЙ СОЮЗ ПО ИСТОРИИ И ФИЛОСОФИИ НАУКИ
INTERNATIONAL UNION OF GEOLOGICAL SCIENCES
INTERNATIONAL UNION OF THE HISTORY AND PHILOSOPHY OF SCIENCE

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ПО ИСТОРИИ ГЕОЛОГИЧЕСКИХ
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держателем их точное библиографическое описание с указанием количества страниц (статьи в этот список не вносятся).

У. О разработке плана деятельности ИНИГЕО на период 1976-1980 гг.

В связи с предстоящим принятием плана работ ИНИГЕО на новый срок /1976-1980/ Бюро Комитета просит вносить предложения о проведении в течение этого периода конференций, симпозиумов и коллоквиумов по различным вопросам истории геологических наук.

При внесении таких предложений следует указывать время и место проведения мероприятия, а также учреждение, которое будет его финансировать.

R E P O R T
on the Activities of the International Committee
on the History of Geological Sciences in 1974

On the whole the forms of INHIGEO work in 1974 were similar to the ones used in the previous years. Preparation of national, regional and international conferences and symposia was under way. Correspondence was maintained on organizational and scientific problems with the leaders of the International Unions (IUGS, IUHPS), with INHIGEO members and various institutions concerned with the development of research work on the history of science.

I. Scientific Symposia. In 1974 there were held two conferences dealing with the problems of the history of geological sciences.

a) The Vth Scientific Symposium INHIGEO "History of the Teaching of Geological Sciences" (Spain, July 1-6, 1974) was one of the most important events. It was organized by mining and geological institutions of Spain, under the general direction of INHIGEO member Prof. J.M. de Azcona. 136 delegates attended the Symposium. The Organizing Committee had published summaries of the papers and partly their complete texts. The papers dealt with 5 main topics. They were as follows:

- 1) history of the formation of geological subjects and their place in the general programme of the preparation of geology specialists;
- 2) history of the teaching of mining and geological subjects in different countries;
- 3) analysis of the work of some prominent teachers of geology;
- 4) use of geological knowledge in solving scientific and applied problems;
- 5) problem of further development of geological curricula.

At the Symposium there was arranged a series of excursions enabling the participants to examine mining and geological centres, scientific and historical collections, to see monuments of culture and works of art in the museums of

Spain(Madrid, Almadén, Cordoba). The Spanish mass communication media(newspapers, radio and TV) informed about the work of the Symposium.

b) The XIVth International Congress on the History of Science was held in Japan in August 1974. A section on the history of the Earth science was functioning at the Congress. INHIGEO member Prof. K. Asano participated in the preparation for the work of the section. The section held one meeting attended by about 40 persons; 8 papers were read. Out of them 3 papers were devoted to the history of geology(development of the concept of time in geology, the history of geological research in Japan and paradigm in modern geology) and 2 papers dealt with the history of geophysics. In all 7 papers on the history of geological sciences were submitted to the Congress.

Along with the arrangement of the two conferences intensive work has been done to prepare the next symposia fixed for the near future.

a) Especially much organizational work has been done to arrange the VIth Scientific Symposium INHIGEO "Charles Lyell Centenary Symposium" to be convened in Great Britain in September 1975. It is being prepared under the sponsorship of the Royal Society, the Geological Society and British Society for the History of Science. The Organizing Committee presided by INHIGEO member Dr. D.A. Basset has compiled and sent out two circulars. About 150 scientists are supposed to attend the Symposium. The papers are expected to treat various problems concerning Charles Lyell's work and the impact of his ideas upon the progress of geological sciences in the 19-20th centuries(evolution, uniformity, the stratigraphic problem of the Cenozoic era, metamorphism, time in geology, volcanism and tectonics etc.)/programme of the symposium see p. 28/

b) The INHIGEO Bureau maintained correspondence with the Committee members living in Australia(Prof. T.G. Vallance, Prof. J.B. Waterhouse and Dr. D.F. Branagan) to involve them in an active preparation of the XXVth Session of the International Geological Congress(Australia, August 1976).

At the 17th section of the Congress it is planned to consider teaching problems and subjects concerning the history of geological sciences. The Organizing Committee of the Congress has proposed to hold the Symposium "The Growth of Geological Knowledge in the Age of Geographical Exploration". It will take place during the work of section 17.

c) The INHIGEO has rendered assistance in arranging a bilateral (GDR-USSR) symposium on the history of German-Russian scientific-geological relations. A book containing theses of 60 papers had been published prior to the Symposium. The Symposium was a great success. It was held in Berlin (GDR) from May 27 up to May 29, 1975. There were arranged post-symposium excursions to Freiberg, to the Ore Mountains and Dresden from May 30 up to June 2. (Further information about the Symposium will be given in the report of INHIGEO activities in 1975.)

II. Scientific Meetings. A meeting of INHIGEO was held in Madrid on 2 July, 1974 with 10 members and correspondents from 7 countries in attendance. The meeting discussed the following questions:

- 1) preparation of the VIth INHIGEO Scientific Symposium dedicated to commemoration of the 100th anniversary of Charles Lyell's death;
- 2) compilation of the methodological voluminous work on the history of the Earth sciences;
- 3) preparation for the XXVth Session of IGC;
- 4) formation of INHIGEO National Subcommittees.

The meeting approved of the activities of Dr. D.A. Basset- Chairman of the British Organizing Committee. Dr. D.A. Basset and his colleagues had carried out energetic and extensive work preparing for the Ch. Lyell Symposium(information see p. 28).

In view of the planned collective monograph "General History of Geological Sciences" much consideration was given to the compilation of the International voluminous work on methodological problems. All those present seconded the Bureau opinion that the publication of a series of articles with different viewpoints on the most complicated philo-

sophical(methodological) problems of the history of geological sciences would contribute to the development of a creative discussion. It would also help the authors to elaborate coordinated standpoints. The editorial board was elected including: Prof. V.V. Tikhomirov-chairman(USSR), Prof. R. Hooykaas (Netherlands), Prof. F. Ellenberger(France), Dr. M. Guntau (GDR). One vacancy was reserved for a US representative. It is supposed to be filled on a receipt of a recommendation of US National organizations of geology historians.

The participants of the meeting expressed their hope that the newly elected board would energetically involve the authors and would facilitate the publication of received material.

It was noted with satisfaction that since the XXIIIrd Session of IGC the history of geological sciences had obtained a firm right to an independent existence among other branches of geology. Section 17 is planned to functionate at the XXVth Session of IGC(Australia, 1976, see p.28). It will consider papers on the history of exploration of the Australian territory and other areas of the eastern part of the Pacific basin. It was decided to facilitate as far as possible an active participation of INHIGEO members in the work of the Australian Congress.

It was stated that the process of creating National Subcommittees of INHIGEO in different countries was slow, whereas those already in existence were not active enough. In this connection the meeting recommended all INHIGEO members to intensify their work so as to eliminate this deficiency.

III. INHIGEO National Subcommittees. The INHIGEO Subcommittees were set up to expand and to coordinate research on the history of the Earth sciences in their respective countries and, particularly, to organize research and the compiling of volumes of the collective work "General History of Geological Sciences".

By now 4 Subcommittees have been established: the Soviet (1972), the British(1973), the Netherlands(1973) and the United States(1974)./Membership of the first 3 subctees see p. 10, INHIGEO Newsletter 8, 1974; membership of the US

subcommittee see below, on p.29 /

The Soviet Subcommittee has been functioning for about 3 years. In 1974 it paid paramount attention to the selection of authors to prepare the voluminous survey on the history of geological sciences in the national republics of the USSR. The plan of the respective volumes has been drawn out for part of the regions(Armenia, Byelorussia, Kazakhstan and some others).

In 1973 the Netherlands Subcommittee of INHIGEO obtained the right of a Commission for the History of Geological Sciences under the Geological Section of the Royal Netherlands Academy of Sciences.

The Commission has two main tasks:

- 1) to compile historical surveys on the activities of Dutch geologists in the Netherlands and abroad;
- 2) to collect and to preserve archives on the development of geological and mining research and geological teaching. In this connection the Commission intends to work on the preservation of personal archives of geologists and those of geological institutions. It will also coordinate the efforts of scientists willing to contribute to the compiling of respective volumes of "General History of Geological Sciences".

In 1974 the British Subcommittee was proceeding with a wide range preparation for the Charles Lyell Centenary Symposium (see p.19).

The US Subcommittee was set up at its first meeting held in Miami Beach, Fla.(USA). The meeting elected the Executive Committee(Chairman-Prof. G.W. White, Scientific Secretary-Prof. C.J. Schneer) and appointed members of the Subcommittee. The meeting appointed Prof. A. La Roche Chairman of a Subcommittee on Correspondents. The participants of the meeting discussed the prospects of the US Subcommittee's future activities.

IV. Publications. Like in the previous years in 1974 INHIGEO members and correspondents have published a considerable amount of articles on various problems of the history of the Earth sciences. Some of the Committee members and other historians of science either have published books dealing

with original research or assisted in publishing facsimile editions, thus contributing to the distribution of papers written by outstanding scientists of the past and which have become bibliographically rare.

INHIGEO Newsletter No 8 has been compiled and sent out. It contains a brief report on the activities of INHIGEO in 1973 and current information on the work in the history of geological sciences.

V. INHIGEO Expenses. The Executive Committee of IUGS has allotted INHIGEO Am. \$ 1500 which has been spent: to subsidize INHIGEO Bureau members' participation in the Madrid Symposium of 1974, to prepare the 1975 Symposium and to cover clerical expenses. Besides, the sum of Roubles 200 was spent to compile and to publish Newsletter No 8. The sum was granted by the USSR Academy of Sciences.

Changes in the By-Laws of the International Committee on the History of Geological Sciences

Since 1968 when "By-Laws of the International Committee on the History of Geological Sciences" were accepted INHIGEO has gained the experience indicating that certain points of "By-Laws" should be defined more exactly (see Newsletter 3, pp. 31-35) Hence the reworked variant of some paragraphs of "By-Laws" is being proposed for discussion. It is as follows:

3. INHIGEO exercises the following functions:

- I. Coordinates studies carried out in various countries.
- II. Conducts national, regional and international symposia, conferences and meetings on important problems of the history of geological sciences.
- III. Maintains contacts with international and national organizations on the history of related sciences, with national associations of geology historians functioning with the rights of INHIGEO Subcommittees, as well as with other groups engaged in research on the history of geological sciences.

4. INHIGEO is a Committee of the International Union of Geological Sciences (IUGS) and is affiliated with the International Union of the History and Philosophy of Science (IU-HPS). Annual reports on the work performed are submitted by INHIGEO by 1 December of every year to both Unions. INHIGEO submits reports to the Sessions of the International Geological Congress (IGC) and to the International Congresses on the History of Science on the work performed between the Sessions on an equal basis with all Commissions and Committees of both Unions.

5. Structure of INHIGEO.

- I. INHIGEO shall consist of a President, Vice-Presidents, a Secretary General and a Past President who constitute the Bureau, as well as of INHIGEO members. Besides, a group of corresponding members functions within INHIGEO.
- II. The members of the Bureau represent the major regions:
a) America (North and South); b) Western Europe; c) Eastern Europe (the USSR including); d) Asia, Africa and Australia.

III. Provision is made, in case of necessity, for the Bureau to appoint a Scientific Secretary.

6. Formation of INHIGEO.

I. The President, Vice-Presidents, the Secretary General and INHIGEO members are elected by the Council of IUGS on the proposal of the Council members or the Executive Committee, not more than one person from each country. If needed nominations for additional or substitute members of INHIGEO are submitted by the President or Secretary General to the Executive Committee of IUGS. INHIGEO members remain in office for a term of 4 years until the next session of the International Geological Congress. Elections of INHIGEO new panel are held during regular sessions of IUGS.

II. The strength of INHIGEO members, determined by the IUGS Council, is up to 21, the Bureau including. The strength of the Bureau is up to 7.

III. Corresponding members of INHIGEO are elected by INHIGEO for a period up to the next session of IGC among scientists known by their papers on the history of geological sciences. They are nominated by National Committees of geologists, by National Subcommittees of INHIGEO or by major scientific organizations of their respective countries. Nominations for corresponding members must be received by the INHIGEO Bureau eight months before the next session of IGC. The strength of corresponding members from each country is not limited.

IV. The Scientific Secretary is elected by the Bureau of INHIGEO. He can be a representative of the same country as the President and has the rights of a corresponding member of INHIGEO.

V. Members and corresponding members of INHIGEO willing to remain in INHIGEO for a new term inform the Bureau about their decision eight months before the new elections. These persons are not to be re-nominated by National organizations (see 6.III).

VI. The President of INHIGEO is normally elected for one term. He remains in the Bureau as Past President for the next term.

After the recess he can be re-elected for any post, that of

INHIGEO President including. Other members and corresponding members of INHIGEO, Vice-Presidents and Secretary General including, can be re-elected without limit.

7. Functions of INHIGEO members.

I. The activities of INHIGEO are directed by its Bureau. The Bureau is headed by the President who distributes functions among the Bureau members and settles financial problems. The President convenes meetings of the Bureau to discuss questions which cannot be solved by correspondence. In case of necessity the President can delegate his powers to one of the Vice-Presidents by mutual agreement.

II. The Bureau compiles and publishes Newsletter of INHIGEO which appears no less than once a year in two most widely spread languages. It is distributed among interested organizations and individuals in different countries.

III. The Secretary General carries out the decisions of INHIGEO and of its Bureau and, subject to agreement with the President, maintains contact with other international and national organizations.

IV. Members and corresponding members of INHIGEO in every possible way promote the development of research on the history of geological sciences in the regions curated by them and unite scientists engaged in such investigations into national and territorial groups functioning with the rights of INHIGEO Subcommittees.

V. National Subcommittees of INHIGEO coordinate research on the history of the Earth sciences, organize national and regional symposia and recommend for publication papers of the members and other interested persons within a country or a group of countries curated by them.

VI. Eight months before the next session of the International Geological Congress the members and corresponding members of INHIGEO send to the Bureau of INHIGEO a brief written report on the work done since the last session of the Congress.

11. The work of INHIGEO is financed by the International Union of Geological Sciences, by contributions from the International Union of the History and Philosophy of Science, as

well as from other organizations and individuals.

The Budget includes expenditures on the publication and distribution of INHIGEO Newsletters, on the organization of meetings and sessions of the Bureau, on trips of Bureau members connected with scientific and organizational matters. The expenses on the activities of national organizations and on the publication of their works are covered by the respective countries.

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The Bureau of INHIGEO applies to all INHIGEO members and other interested persons requesting them to make their comments on the proposed revisions in "By-Laws", and if they consider it expedient to make other suggestions. The revisions will be accepted provided they are approved by 2/3 of INHIGEO members.

INFORMATION

I. Scientific Meetings on the History of Geological Sciences in 1975-1976

1) VIth Scientific Symposium INHIGEO "Charles Lyell Centenary Symposium". 31 August-5 September, 1975, London, Great Britain.

Programme

- 31 August- Arrival in London. Registration.
- 1 September- Scientific Sessions. Visit to King's College.
- 2 September- Scientific Sessions. Excursion "Scientific London".
- 3 September- Scientific Sessions. Visit to Geological Museum.
- 4 September- Excursion to Oxford.
- 5 September- Scientific Sessions.

Excursions

- 26-31 August- Scotland (Edinburgh, Blackford Hill, Kinnordy, etc.).
- 5-8 September- the Weald, Isle of Wight, Isle of Purbeck, etc.
- 8 September- Return to London.

2) XXVth Session of International Geological Congress. 16-25 August, Sydney, Australia.

Section 17. Geological Education and History of Geology.

23 August- 9a.m.-13p.m.- Scientific meetings.

24 August- 9a.m.-13p.m.- Scientific meetings.

The Symposium "The Growth of Geological Knowledge in the Age of Geographical Exploration" has been included in the programme of Section 17 (VIIth Symposium INHIGEO). It will be held between 14.00 and 17.00 on the same days as Section 17 meetings. Applications for reports and other correspondence should be sent to the following address: Prof. T.G. Vallance, Department of Geology and

Geophysics, the University of Sydney, Sydney, NSW 2006, Australia.

II. United States National Subcommittee INHIGEO

Executive Committee:

1. Prof. Dr. White G.W.- chairman.
2. Prof. Schneer C.J.- scientific secretary.
3. Prof. Albritton C.
4. Prof. Greene J.C.
5. Mr. Halbouty M.T.
6. Prof. Hedberg H.D.
7. Dr. Lloyd J.T.

Committee members:

8. Prof. Burke J.
9. Prof. Carozzi A.V.
10. Prof. Frondel C.
11. Prof. La Rocque A.
12. Dr. Murray G.E.
13. Prof. Ospovat A.
14. Dr. Rappaport R.
15. Prof. Skinner H.C.
16. Prof. Taylor K.
17. Prof. Wilson L.

III. Election of INHIGEO New Panel for the 4 Year Term(1976-1980)

In accordance with the By-Laws of the International Committee on the History of Geological Sciences the term of the present INHIGEO panel expires in August 1976. The XXVth Session of IGC(Australia, 16-25 August 1976) will have to elect a new INHIGEO panel. In this connection all members and corresponding members of INHIGEO must notify the Bureau of INHIGEO of their desire to continue the work in INHIGEO(ab-

sence of such a notification will mean refusal to participate in INHIGEO future activities). This should be done by the beginning of 1976. Besides, by the same date there should be sent proposals of new candidates among scientists well known by their papers on the history of geology. Such proposals must come from National Committees of geologists of the respective countries or from geological institutions. The nomination statement should contain a brief curriculum vitae of a candidate and a list of his major scientific papers(all published papers on the history of geology are to be listed irrespective of their size). Lists of new candidates for INHIGEO membership with a brief information on their life and work will be inserted in a regular issue of INHIGEO Newsletter to be published prior to the XXVth Session of IGC.

IV. Collection of Data on INHIGEO Activities in 1975 and in 1972-1976

For INHIGEO 1975 report as well as for a summary report of INHIGEO activities in 1972-1976 it is necessary to collect information on the work done by each member and corresponding member of INHIGEO. So the INHIGEO Bureau requests all members and correspondents of INHIGEO to send a brief individual report on the work performed within the given period in the field of the history of geology. This data must be sent by February 1976. The report should contain the following:

- a) participation in preparation and work of conferences, symposia, colloquia, etc. on the history of science;
- b) a total amount of articles, booklets, collected works and monographs published during the 4 years under review.

Lists of published books must contain exact bibliographical description and number of pages(articles are not to be included in the list).

V. Elaboration of Plan of INHIGEO Activities
in 1976-1980.

In view of accepting a new plan for the INHIGEO work in 1976-1980 the Bureau asks to make suggestions for conferences, symposia and colloquia on different issues of the history of geology to be held within the period. Time and place of each particular event as well as an institution to finance it must be indicated.

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