

МЕЖДУНАРОДНЫЙ СОЮЗ ГЕОЛОГИЧЕСКИХ НАУК
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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МЕЖДУНАРОДНЫЙ КОМИТЕТ
ПО ИСТОРИИ ГЕОЛОГИЧЕСКИХ
НАУК

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INTERNATIONAL
COMMITTEE ON THE HISTORY
OF GEOLOGICAL SCIENCES

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И Н Ф О Р М А Ц И О Н Н О Е П И С Ь М О № 3

N E W S L E T T E R № 3

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ON THE AFFILIATION OF THE INTERNATIONAL COMMITTEE
ON THE HISTORY OF GEOLOGICAL SCIENCES

The transfer of the International Committee on the History of Geological Sciences (INHIGEO) from the International Geological Congress to the International Union of Geological Sciences (IUGS), its task and membership were approved by the Council of the IUGS at the meeting in Prague on August 23, 1968.

INHIGEO became affiliated with the International Union of the History and Philosophy of Science (IUHPS). Affiliation was granted on August 29, 1968 by the General Assembly of the Union in Paris.

R E P O R T

ON THE WORK OF INHIGEO (JUNE 1967 - DECEMBER 1968)

1. The Committee started its work immediately after the Constituent Assembly that took place in June of 1967.

During the period July-August 1967 Newsletter No 1 has been prepared in Russian and English containing data on the Constituent Assembly, on the symposium that took place right after the Assembly and information on the history of the creation of the Committee. This newsletter has been distributed among geological organizations of all the countries of the world and sent to prominent scientists engaged in research on the history of geological sciences.

A book of papers read at the symposium has been sent to Yerevan for publication by the Academy of Sciences of the Armenian SSR in Russian with English summaries.

By correspondence with Committee members it has been established that the majority recommends the "History of theoretical concepts on mineral deposits" as the subject for a symposium to be organized in 1970. Inasmuch as Freiberg was named as one of the most suitable places to hold such a symposium, INHIGEO asked a number of scientific organizations in the GDR to undertake the organization of this symposium. A preliminary agreement on all the problems connected with the organization of the 1970 symposium was reached by the President of INHIGEO during his visit to Berlin and Freiberg (1-5 July 1968).

Endeavouring to involve into the work of INHIGEO as wide a circle of researchers ^{as possible}, extensive correspondence was initiated with organizations and geologists in a number of countries, which resulted in the compilation of a list of 170 persons engaged in studies on the history of geological sciences in 32 countries of Europe, North and South America, Asia, Africa and Australia. This list is being supplemented.

2. In the process of preparation for the meeting of INHIGEO planned for the period of the XXIII Session of the IGC, Newsletter No 2 has been compiled and sent to all the interested persons. This newsletter contained drafts of decisions on the following scientific-organizational questions: a) changes in the By-Laws of INHIGEO; b) on the election of new corresponding members; c) on the plan of work of INHIGEO for the period up to the XXIV Session of the IGC; d) on the program of work for the preparation of the collective work "General History of Geological Sciences"; e) on the creation of national organizations of historians of geology.

Suggestions on changes in some paragraphs of the By-Laws of INHIGEO included into Newsletter No 2 were intended to make the text of the By-Laws more precise and more conforming to the statute principles of IUGS as well as by the double affiliation of INHIGEO.

A report has been compiled on the activities of INHIGEO during the period between two sessions of the IGC. This report has been duplicated in English, French, Spanish and Russian (300 copies altogether) for the Council members of the IUGS.

3. During the XXIII Session of the IGC the Council of the IUGS had its meetings. At one of them - on August 23, 1968 - the report on the activities of INHIGEO has been approved. This meeting has also ratified the transfer of INHIGEO from the IGC to the IUGS, its tasks and membership of 13 persons (see pp. 26-27).

On August 29, 1968 the General Assembly of the International Union of the History and Philosophy of Science at its session in Paris during the XII-th Congress on the History of Science granted an affiliation of INHIGEO with the IUHPS. This Congress was attended by INHIGEO member V.A. Eyles and its corresponding members I.V. Batjushjova, J.M. Eyles and C.J. Schneer.

4. By agreement between INHIGEO and the Organizational Committee of the XXIII Session of the IGC a subsection has been introduced for the first time in the history of the congresses for the history of geology. Summaries of papers on the history of geology and the texts of some of these papers were published in the Proceedings of the XXIII Session of the Congress. In addition a book of papers on the history of geology specially prepared by Soviet researchers for this Congress, has come out of print in Moscow. In this way, the history of geological sciences has obtained now equal rights with other branches of geology.

The XXIII Session of the IGC was attended by INHIGEO members J.M.de Azcona, T.D.Ford (as proxy for V.A.Eyles in INHIGEO's line), J.Kořan, K.Maślankiewicz, G.Regnell, B.C.Roy, V.V.Tikhomirov, G.W.White and T.A.Sofiano (as proxy for I.I.Gorsky in INHIGEO's line) and by corresponding members: M.Guntau, O.I.Islamov, R.Laffitte, A.Laszkiewicz, W.P.van Leckwijck, N.Spjeldnaes, C.J.Schneer, T.Watanabe.

Personal meetings and talks took place between members and corresponding members of INHIGEO on the subjects raised in Newsletter No 2, the plan for future work included. Some INHIGEO members have sent their comments on the problems dealt with in Newsletter No 2 - mostly regarding the changes in the By-Laws.

Inasmuch as there have been no official meetings of INHIGEO, no decisions have been taken at the time of the XXIII Session of the IGC.

5. A final agreement on all these points has been reached by correspondence with all INHIGEO members. As result from 80 to 100 % of INHIGEO members have supported the points of decisions listed below:

a) Revised version of the By-Laws. Some of those, who participated in this correspondence, suggested certain editorial corrections that found their reflection in the revised text of the By-Laws.

24.

b) Nine new corresponding members of INHIGEO have been elected. As result, the total number of corresponding members, including those elected during the Constituent Assembly, comes to 29 persons.

c) It has been decided to have three scientific symposia during the coming four years:

In 1970 in Freiberg (GDR) - "History of theoretical concepts on mineral deposits";

In 1971 in Leningrad (USSR) - "Periodization problem in the history of geological sciences" and "History of uniformitarianism and actualism";

In 1972 in Montreal (Canada) - "History of concepts on Precambrian geology".

d) The decisions taken include also recommendations on the creation of national groups of historians of geology with the standing of INHIGEO sections. It has been decided to ask INHIGEO members and corresponding members to determine the possibility and, provided there are favorable conditions, to undertake the organization of such groups in those countries, where INHIGEO members and corresponding members are living.

e) The question of the program of work on the preparation of a collective monograph "General History of Geological Sciences" has not been discussed in any detail. Consequently, though there have been no objections to the suggested program, it is planned to discuss it at the nearest meeting of INHIGEO.

6. According to a suggestion by a group of Polish geologists, INHIGEO (by a joint decision of the President and Secretary General) is going to take part in a bilateral symposium prepared by the Academies of Sciences of Poland and the USSR - "History of Polish-Russian scientific relations in geology".

7. Conforming to the decision of organizing in 1970 a symposium - "History of theoretical concepts on mineral deposits", in December 1968 INHIGEO has sent a circular letter to National Committees of Geologists and Committees of Historians of Science in various countries, to major scientific geological organizations and to interested individuals - about 500 copies altogether. The question has been agreed upon on the time, when the Organizational Committee of the symposium will begin to function at the Freiberg Mining Academy.

8. The expenditures of INHIGEO during 1968 were connected with the publication of Newsletter No 2, of the Report on the activities of INHIGEO between the XXII and XXIII Sessions of the IGC, payment for translations of these documents into English, French and Spanish, postage for their distribution, as well as postage for the distribution of a circular letter on the 1970 symposium. These items have fully consumed the \$40.00 assigned by the decision of the Executive Committee of the IUGS (January 8, 1968) and the additional 150 rubles given by the Academy of Sciences of the USSR.

INHIGEO MEMBERSHIP^{x)}

a) INHIGEO members

(approved by IUGS Council on August 23, 1968)

President	- V.V. Tikhomirov	- USSR	- Geological Institute of the USSR Academy of Sciences, Pyshevsky 7, Moscow-17.
Vice-Presidents:	R. Hooykaas (for Europe)	- Nether-lands	- Krullelaan 35, Zeist.
	B.C. Roy (for Asia and Africa)	- India	- 37/3 South End Park, Calcutta-29.
	G.W. White (for America)	- USA	- Department of Geology University of Illinois, Urbana, Ill. 61801
Secretary General	- K. Maślankiewicz	- Poland	- Institute of Geological Sciences, Wrocław University, Ul. Cybulskiego 30, Wrocław.
Members:	- J.M. de Azcona	- Spain	- Comisión Nacional de Geología, Ríos Rosas 8, Madrid.
	V.A. Eyles	- England	- The Old Cottage, Great Rissington, Cheltenham.
	T. Kobayashi	- Japan	- Geological Institute, University of Tokyo, Tokyo (Hongo).
	J. Kořan	- USSR	- Komise pro klasifikaci zásob nerostných surovin, Lazarska 7, Praha-1.
	O.H. Leonardos	- Brazil	- Instituto de Geociências da Universidade Federal do Rio de Janeiro, Largo de S. Francisco 24, Rio de Janeiro CB.

x) In all documents the lists are given in the order of the Latin alphabet.

Members: G. Regnell - Sweden - Geological Institute, University of Lund, Sölvegatan 13, S-223 62 Lund.

T.G. Vallance - Australia - Department of Geology, University of Sydney, Sydney, N.S.W.

Ex-President - I.I. Gorsky - USSR - National Committee of the Geologists of the USSR, Puzhevsky 7, Moscow-17.

b) Corresponding members

(elected by INHIGEO on June 10, 1967 and in September - December 1968)

C.C. Albritton - USA - Southern Methodist University, 2436 University Boulevard, Dallas, Texas.

I.V. Batjushkova - USSR - Institute for the History of Natural Sciences and Technique, Staropansky 1/5, Moscow K-12.

A. Cailleux - France - Faculté des Sciences, Géologie S.P.C.N., 12 rue Cuvier, Paris 5^e.

A.V. Carozzi - USA - Department of Geology, University of Illinois, Urbana, Ill. 61801.

S. Czarniecki - Poland - Pracownia Geol. P.A.N., ul. Senacka 3, Krakow.

J.M. Eyles - England - The Old Cottage, Great Riseington, Cheltenham.

A. Gawel - Poland - Katedra Geologii Uniwersytetu Jagiellońskiego, Oleandry 2, Krakow.

D.I. Gordeev - USSR - Department of Geology, Moscow State University, Leninskie Gory, Moscow-234.

J.C. Greene - USA - The College of Liberal Arts and Sciences, The University of Connecticut, Storrs, Conn., 06268.

M. Guntau - GDR - Institut für Mineralogie u. Lagerstättenlehre, Brennhaugasse 14, 92 Freiberg (Sachs.).

H.D. Hedberg - USA - Department of Geology, Princeton University, Princeton, New Jersey.

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- O.I. Islamov - USSR - Sredneaziatsky Universitet, Ul. Karla Marksa 32, Tashkent.
- A.V. Khabakov - USSR - VSEGEI, Sredny Prospekt 72b, V.O., Leningrad B-26.
- W.O. Kupsch - Canada - Institute for Northern Studies, University of Saskatchewan, Saskatoon, Saskatchewan.
- R. Laffitte - France - Laboratoire de Géologie du Muséum, 63 rue de Buffon, Paris 5^e.
- A. Lasakiewicz - Poland - Geological Institute, Dept. of min. and petr., Rakowiecka 4, Warszawa-12
- W.P. van Leckwijck - Belgium - International Union of Geological Sciences, Mechelse Steenweg 206, Antwerp.
- E.G. Malkhasian - USSR - Institute of Geological Sciences, Academy of Sciences of Armenian SSR, Berekamutian 24, Yerevan.
- R. Martens - GFR - Institut für Geographie u. Wirtschaftsgeographie, Universität Hamburg, Rathenbaumstrasse 21-23, 2 Hamburg 13.
- G.E. Murray - USA - Technological College, P.O. Box 4349 Lubbock, Texas 79409.
- W. Nieuwenkamp - Netherlands - Vening Meinesz Sushihust, Lucas Bolwerk 7, Utrecht.
- E.A. Radkevich - USSR - Dalnevostochny Geologicheskyy Institut, Prospekt Stoletia 159, Vladivostok-22.
- A.I. Ravikovich - USSR - Geological Institute, USSR Academy of Sciences, Pyzhevsky 7, Moscow-17.
- L.D. Rozov - USSR - State University, Vladimirskaia 64, Kiev-17.
- C.J. Schneer - USA - Geology Department, University of New Hampshire, Durham, New Hampshire 03824.
- N. Spjeldnaes - Denmark - Geologisk Institut, Aarhus Universitet, Universitetsparken, Aarhus, C. Denmark.
- T. Watanabe - Japan - Department of Earth Sciences, Faculty of Science, Nagoya University, Chikubaku, Nagoya.

J.B.Waterhouse - Canada - Department of Geology, University
of Toronto, Toronto-5.
K.Zapletal - CSSR - Colova 15, Brno-16.

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INHIGEO DECISIONS

(taken by correspondence, September-December 1968)

The following INHIGEO members took part in a letter exchange: J.M.de Azcona, V.A.Eyles, I.I.Gorsky, R.Hooykaas, T.Kobayashi, J.Kořan, K.Maślankiewicz, G.Regnell, B.C.Roy, V.V.Tikhomirov, T.G.Vallance, G.W.White.

As result of this correspondence it has been decided:

1. To approve the revised text of INHIGEO By-Laws with the amendments and additions suggested by Dr.V.A.Eyles, Prof. I.I.Gorsky, Prof.R.Hooykaas, Prof.W.P.van Leckwijck, Prof.B.C.Roy, Prof.R.Taton, Prof.V.V.Tikhomirov, Prof.T.G.Vallance and Prof. G.W.White (see pp. 31-35).

2. According to the nominations by National Committees of Geologists of corresponding countries, to elect the following scientists as corresponding members of INHIGEO: Prof. C.C.Albritton (USA), Prof.A.V.Carozzi (USA), Prof.A.Gawel (Poland), Prof.J.C.Greene (USA), Prof.H.D.Hedberg (USA), Prof. A.V.Khabakov (USSR), Prof.W.O.Kupsch (Canada), Prof. E.A.Radkevich (USSR), Prof.L.D.Rozov (USSR).

3. To organize the following scientific symposia:

a) In September 1970 in Freiberg (GDR) on the subject "History of theoretical concepts on mineral deposits".

Plan of the symposium: scientific papers (3 days) and excursions (3-4 days); it is expected to visit regions of old mining industry in Saxony and Thüringia, exhibitions in mining-geological and natural history museums, as well as largest centers of culture in the GDR.

To ask Dr.M.Guntau, corresponding member of INHIGEO,

to assume responsibility for the preparation of the symposium.

To ask Prof. R. Hooykaas, Vice-President of INHIGEO for Europe, and Prof. K. Maślankiewicz, Secretary General of INHIGEO, to be curators in the preparation of the symposium.

b) During the second half of August 1971, at the time of the XIII Congress on the History of Science, to organize in Leningrad (USSR) a symposium on the subjects "Periodization problem in the history of the geological sciences" and "History of uniformitarianism and actualism".

To ask Prof. K. Maślankiewicz, Secretary General of INHIGEO, and Dr. I. V. Batjushkova, Prof. D. I. Gordeev and Prof. A. V. Khabakov, corresponding members of INHIGEO, to assume responsibility for the preparation of this symposium.

c) In 1972, during the XXIV Session of the International Geological Congress, to organize in Montreal (Canada) a symposium on the problem "History of concepts on Precambrian geology".

To ask Prof. G. W. White, Vice-President of INHIGEO and W. O. Kupach and J. B. Waterhouse, corresponding members of INHIGEO, to assume responsibility for the preparation of this symposium.

4. To ask all INHIGEO members and corresponding members to determine the possibility of creating in their countries national groups of historians of geological sciences that would be regarded as regional sections of INHIGEO. Reports on their progress in this field could be discussed at the next meeting of INHIGEO.

B Y - L A W S
OF THE INTERNATIONAL COMMITTEE ON THE HISTORY OF
GEOLOGICAL SCIENCES ^{x)}

1. The International Committee on the History of Geological Sciences (INHIGEO) is organized in accordance with a decision of the XXII Session of the International Geological Congress (Delhi, 1964).
2. The task of INHIGEO is to promote in every possible way the development of various studies in the history of geological sciences in different countries of the world. One of its important purposes is the preparation of a collective work on the "General History of Geological Sciences".
3. INHIGEO exercises the following functions:
 - I. Coordinates studies on the history of geological sciences carried out in various countries.
 - II. Conducts symposia and discussions on important problems of the history of geological sciences.
 - III. Reviews and recommends for publication suitable works on the general history of geological sciences presented to INHIGEO.
 - IV. Maintains contacts with international organizations on the history of related sciences, with national groups of historians of geology and individuals 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 Sciences (IUHPS).

x) Approved by the IUGS (letter from Secretary General of the Union Prof. W.P. van Leckwijck No E.111 of May 29, 1968) and by the IUHPS (letter from Secretary General Prof. R. Taton of October 21, 1968 and of the First Vice-President of the Union Prof. A.T. Grigorian of March 28, 1969).

Annual reports on the work performed are submitted by INHIGEO by January 1st of every year to both Unions.

INHIGEO submits reports to the Sessions of the International Geological Congress and to the International Congress on the History of Science on the work performed between the sessions on an equal basis with other Commissions and Committees of both Unions.

5. Structure of INHIGEO:

INHIGEO shall consist of a President, Vice-Presidents (for major regions of the world), a Secretary General, INHIGEO members and corresponding members.

The President, Vice-Presidents and Secretary General form the Bureau of INHIGEO. Provision is made, in case of necessity, for the Bureau to appoint a Vice-Secretary

6. ^{General.} Formation of INHIGEO:

I. The President, Vice-Presidents, Secretary General and INHIGEO members are selected by the Council of the IUGS on the proposal of IUGS members from among persons conducting studies on the history of geological sciences, not more than one person from each country. The elections are held every four years during the sessions of the International Geological Congress. The strength of INHIGEO members, determined by the IUGS Council, is from 11 to 16.

Nominations for members of INHIGEO and its Bureau should be received by the President or Secretary General of the IUGS six months before the next session of the International Geological Congress.

II. Corresponding members are elected by INHIGEO for a period up to the next session of the IGC among scientists known by their papers on the history of geological sciences. They are nominated by National Committees of Geologists or major scientific organizations of their countries.

Nominations for corresponding members should be received by the President or Secretary General of INHIGEO six months before the next session of the IGC.

III. The Vice-Secretary General 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 (see § 10).

IV. The question of re-election of a corresponding member for a new term is discussed upon receipt of a letter from the scientist indicating his desire to continue his work in INHIGEO. Such a statement should be received by the President or Secretary General of INHIGEO six months before the next session of the IGC.

V. The retiring President of INHIGEO remains a member for the next term, irrespective of the presence among the INHIGEO members of a representative from the same country.

7. Functions of INHIGEO members:

I. The Bureau directs the activities of INHIGEO. The President convenes Bureau meetings to discuss questions, which cannot be solved by correspondence. If necessary, the President can delegate his powers to one of the Vice-Presidents by mutual agreement.

II. The Secretary General carries out the decisions of INHIGEO and of its Bureau and, subject to agreement with the President, maintains contacts with international and national organizations and exercises control over the finances of INHIGEO.

III. The members and corresponding members of INHIGEO in every possible way promote the development of research on the history of geological sciences in their countries and unite scientists engaged in such investigations into national groups.

- IV. Six months before the next meeting of the International Geological Congress the members and corresponding members of INHIGEO send to the Secretary General of INHIGEO a brief written report on the work done since the last session of the Congress.
8. Regular meetings of INHIGEO are held once in four years at the time of the sessions of the International Geological Congress, where INHIGEO will:
- I. Hear and discuss reports concerning the work accomplished by INHIGEO and national organizations since the last session of the IGC; consider and approve plans of activity for the next term.
 - II. Elect corresponding members of INHIGEO and inform the Executive Committees of IUGS and IUHPS about the panel of corresponding members.
 - III. Discuss other matters relevant to the pursuit of the aims and objectives of INHIGEO or recommendations and directives from IUGS and IUHPS.
9. Special meetings of INHIGEO or of its Bureau are held at the time of the International Congresses on the History of Science and, by the decision of the Bureau of INHIGEO, at any other time and in different countries by agreement with corresponding organizations.
- Scientific symposia on special problems of the history of geological sciences and excursions to historical places and ancient centers of mining, science and culture, are held at the time of the meetings of INHIGEO.
10. I. All persons interested in the work of INHIGEO are welcome at its meetings. In matters to be decided by voting, all INHIGEO members have a casting vote and the corresponding members - a consulting vote. A decision (including one taken by correspondence) is considered valid if it is approved by 2/3 of the total number of INHIGEO members.

- II. In case a member of the Bureau or of INHIGEO is not present at the meeting, his vote can be made by proxy or transferred to another participant from the same country with the concurrence of the member concerned.
11. The work of INHIGEO is financed by the International Union of Geological Sciences and 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 publications relating to general problems of the history of geological sciences, on the publication and distribution of INHIGEO information bulletins, on the organization of the meetings of INHIGEO and of its Bureau, on the 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.
12. INHIGEO ceases its activity upon a joint decision of the Councils of IUGS and IUHPS.

N O T I C E

- a) Organizational Committee for the 1970 Symposium:
President - Prof. Dr. J. Köhler
Scientific Secretary - Dr. M. Guntau
Address: Freiberg Mining Academy, Brennhausgasse 14,
Freiberg (Sachs.), German Democratic
Republic.
- b) On the nomination of candidates for corresponding
members of INHIGEO.

In accordance with § 6.II of the By-Laws, National Committees of Geologists and major scientific geological organizations can send their recommendations on their nominees as corresponding members of INHIGEO to the Vice Presidents or INHIGEO members for respective areas.

The official nomination letter should be accompanied by a brief biography of the candidate, his list of published papers and a photograph.

