

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



ИНФОРМАЦИОННОЕ ПИСЬМО № 4

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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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1970 г.

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Lev Danilovich ROZOV
Obituary Notice.

On November 25, 1969 we have lost corresponding member of the International Committee on the History of Geological Sciences, Professor of the Geological Department of Kiev State University Lev Danilovich Rozov, a prominent specialist in economic geology of the Ukraine.

L.D. Rozov was born on February 18, 1896. He studied first at the Petrograd and then Kiev polytechnical institutes and in 1931 completed his studies at the Higher engineering geological-research school in Kiev. From 1921 to 1945 he worked in different mining and geological organizations of the Ukraine. Beginning with 1946 L.D. Rozov was lecturing at Kiev University, where he was one of the founders and heads of the chair of mineral resources. He lectured on the methods of a search and reconnaissance, as well as on the economics of mineral raw materials.

L.D. Rozov was interested in a wide circle of problems connected with the study and use of various minerals. He was one of the organizers of the development of peat deposits and of the reconstruction of the kaolin industry in the Ukraine. In his papers he dealt with the problems of the expansion of the gas, coal and slate industries, the development of phosphate deposits and other natural resources of the republic.

A number of L.D. Rozov's investigations have been devoted to the problem of the history of geological sciences. His articles analyzed the contribution into geology of M.V. Lomonosov and described the activities of the Kiev school of geologists. In 1968 Professor Rozov was elected corresponding member of INHIGEO.

R E P O R T

on the activities of the International Committee
on the History of Geological Sciences for 1969.

1. During the current year the activities of the International Committee on the History of Geological Sciences (INHIGEO) proceeded conforming to the plan approved at the end of 1968.

At the beginning of 1969 Newsletter No 3 of INHIGEO has been published containing information on the affiliation of the Committee with the International Union of Geological Sciences (IUGS) and the International Union on the History and Philosophy of Science (IUHPS), a report on the work of INHIGEO during 1967-1968, a list of INHIGEO members and corresponding members by the end of 1968, the By-Laws of INHIGEO (reworked variant adopted at the end of 1968) and INHIGEO decisions on the plan of symposia for the period 1969-1972.

This Newsletter has been mimeographed (650 copies) and sent to all the interested organizations and most prominent scientists-geologists in various countries of the world. The distribution of this Newsletter was done by all INHIGEO members in their respective areas.

2. During the year members of INHIGEO Bureau were engaged in the following work:

Prof. R. Hooykaas (Vice-President of INHIGEO for Europe) prepared material for the INHIGEO meeting and symposium in Freiberg (1970), collected data on the nomination for corresponding members of INHIGEO, published the third edition of his book "Continuité et Discontinuité en géologie et biologie";

Prof. K. Maślankiewicz (Secretary General of INHIGEO) took part in the preparation and work of the Polish-Soviet symposium (1969) and prepared data for the meeting and symposium of INHIGEO in Freiberg (GDR);

Prof. B.C. Roy (Vice-President of INHIGEO for Asia and Africa) popularized the activities of INHIGEO and its preparation for the Freiberg symposium by publishing articles in various

periodicals of India;

Prof. V.V. Tikhomirov (President of INHIGEO) systematically directed the activities of INHIGEO and took part in the preparation of the symposia: Polish-Soviet (1969), Freiberg (1970) and Montreal (1972);

Prof. G.W. White (Vice-President of INHIGEO for America) was in preliminary correspondence and negotiations for the preparation of INHIGEO meeting and symposium in Montreal (1972), collected material for the nomination of candidates for corresponding members of INHIGEO and prepared for publication papers by scientists of the 16th-19th centuries of interest for the history of geological sciences.

All the other members and corresponding members of INHIGEO to a varying extent took part in the preparation of forthcoming symposia and continued their research on the history of geology.

3. In accordance with the decisions of the Executive Committee of IUGS on January 8, 1968 the President of INHIGEO went to Paris from March 10 to 18, 1969 to establish direct contacts with the IUHPS and the International Academy on the History of Science. There have been meetings and talks with Prof. R. Taton, Secretary General of the IUHPS, Prof. P. Costabel, Secretary General of the International Academy of Science and Prof. R. Laffitte, President of the National Committee of Geologists of France. In the process of these talks problems were discussed on the relations between these organizations and INHIGEO, on the participation of French geologists in the work of the Committee and on giving financial assistance to INHIGEO in the organization of symposia.

These talks gave us a chance to detalize the plan of INHIGEO activities and to arrange for further contacts with the organizations mentioned.

4. According to the accepted plan of INHIGEO activities, the Committee was called upon to assist in the preparation and work of a bilateral Polish-Soviet symposium on the history of Polish-Russian relations in geology and geography.

The preparation for this symposium was carried out by the Academies of Sciences of Poland and the USSR with the participation of some members and corresponding members of INHIGEO. The symposium took place from September 28 to October 5, 1969 in Warsaw and Cracow. It was attended by 75 geologists from Poland, USSR and the GDR, including the President, Secretary General and four corresponding members of INHIGEO. Over 30 scientific papers have been read providing a vast amount of material on the history of geological sciences, mainly on the results of joint investigations by Polish and Russian (Soviet) geologists and characterizing the activities of Polish researchers on the territory of Russia and of Russian scientists in Poland. The symposium was a great success and clearly demonstrated that along with wide international conferences, it is advisable to organize also bi- or trilateral symposia devoted to a more limited scope of problems.

5. Work was continuing on the preparation for the 1970 symposium on the "History of concepts on mineral deposits" scheduled to take place in Freiberg (GDR). The Academy of Sciences in Berlin, the Freiberg Mining Academy, the National Committee of Geological Sciences of the GDR and the German Society of Geological Sciences are taking part in its preparation; an Organizing Committee has been created with the Freiberg Mining Academy, which operates in direct contact with the Bureau of INHIGEO. During this year the First Circular of the Organizing Committee of the symposium has been printed and distributed among all the interested organizations in various countries of the world. Many applications for attendance have been received from geologists of different countries.

By correspondence between all INHIGEO members it has been decided to convene a general meeting of the Committee in Freiberg at the time of the symposium. The agenda of this meeting has been agreed upon.

In order to make it possible for all INHIGEO members to attend the symposium and general meeting of 1970, INHIGEO applied to the Executive Committees of the IUGS and IUHPS for financial support to those Committee members, who needed such assistance. To cover their travelling expenses the IUGS has assigned the sum of Am.\$ 1900.00 and the IUHPS - the sum of Am.\$ 100.00.

6. In connection with a preparation to the 24th Session of the International Geological Congress (IGC) scheduled to take place in 1972 in Montreal (Canada), correspondence is taking place between the Organizing Committee of the Congress and INHIGEO. As result, agreement has been reached on the work during the 24th Session of the IGC of a special symposium No 6 on the "History of concepts on Precambrian geology" under the sponsorship of INHIGEO. Prof. John B. Waterhouse, corresponding member of INHIGEO, (University of Toronto), has been appointed curator of this symposium. The question has also been settled that abstracts for this symposium will be included into a general book of abstracts submitted to the Congress and published by the Organizing Committee prior to the opening of the Congress.

7. During this year the Committee has spent the following sums of money assigned by the IUGS:

a) to cover the expenses of a trip to Paris of INHIGEO President Am.\$ 459.4 (including 333.4 dollars in Soviet rubles) - this sum has been given to the Committee in 1968.

b) postage and office expenses \$ 50.00 (assigned in 1969). This sum was fully spent on postage in the distribution of Newsletter No 3 sent in packages to INHIGEO members. Expenses on the printing of this Newsletter coming to an additional sum of 100 rubles were covered by the Academy of Sciences of the USSR.

Prof. V.V. Tiklomirov
President of the Committee

P R O G R A M FOR THE PREPARATION OF THE COLLATED WORK "GENERAL HISTORY OF GEOLOGICAL SCIENCES"

1. A i m. Realization of scientific research profoundly studying the history of geological sciences and the specific features of their development; an analysis of the progress of geology in different countries; the establishment of important aspects in the history of geology that are forgotten or, virtually, unknown

2. T a s k s. To stimulate an interest in the study of the history of geological science and to involve into these researches the widest possible circle of geologists, which will enable present applied and theoretical investigations to make full use of past experience. Preparation and publication of reviews on the development of geology in different countries and monographs on the world history of certain branches of geology. This material will serve as a basis for the preparation of a summarising monograph "General History of Geological Sciences".

3. S c o p e o f t h e w o r k. "General History of Geological Sciences". The monograph will describe the development process of geological sciences, and, especially, the history of the most important branches of geology, its trends, ideas and methods of research, as well as the relations between geology and allied sciences.

4. O r i g i n a l m a t e r i a l. Available reviews on the general history of geological sciences or on the history of a certain branch of geology are very incomplete and are characterised, as a rule, by a rather one-sided approach to the subject. For this reason, a profound investigation of separate problems and the preparation of detailed papers on different large areas or on a wide complex of questions is needed before the compilation of a summarising work on the general history of geology is possible.

I. 5. Order of research. The work is divided into stages:

a) Compilation of bibliographies for different countries, branches of geology, outstanding scientists and a review of data in archives.

b) Study of primary material and publication of papers devoted to personalia and certain individual problems in the history of geological sciences.

c) Preparation and publication of papers analyzing the development of fundamental ideas, trends and methods in geology; study of periodization and classification problems in the history of geological sciences.

d) Preparation of a summary work "General History of Geological Sciences".

6. Methods of research. Study of primary sources (both published and in archives) and utilization of existing reviews on the history of separate problems.

7. Organization of work. To participate in the work on the problem of the history of geology are invited scientists of different countries interested in this subject.

The preparation of the summarising monograph is a collated work carried out under the auspices of the International Committee on the History of Geological Sciences.

ON THE PLAN OF INHIGEO ACTIVITIES IN 1970.

According to INHIGEO decisions agreed upon and approved a symposium is scheduled to take place in Freiberg (GDR) from September 14th to 20th 1970 - "History of concepts on mineral deposits". This symposium is being prepared by a number of organizations in the GDR: Freiberg Mining Academy, German Academy of Sciences in Berlin, National Committee of Geological Sciences of the GDR and the Society of Geological Sciences of the GDR.

At the head of the Organizing Committee is Prof. Dr. J. Köhler (President), Prof. Dr. E. Wächtler (Vice-President) and corresponding member of INHIGEO Dr. M. Guntau (Scientific Secretary).

By June 1st 1970 the Organizing Committee received applications for attendance from 110 persons from 26 countries suggesting 75 papers to be read. Detailed information on the symposium is given in Circulars No 1 and 2 of the Organizing Committee.

The address of the Organizing Committee is: Freiberg Mining Academy, Brennhaugasse 14, Freiberg 92, GDR.

During the Freiberg symposium a general meeting of INHIGEO is going to take place with the following agenda:

1. Programme of work on the preparation of a collated monograph "General History of Geological Sciences".

2. Discussion of candidates nominated for corresponding members of INHIGEO.

3. On the creation of national groups of historians of geology in different countries with the status of INHIGEO sections.

4. Varia.

ON THE PLAN OF INHIGEO ACTIVITIES IN 1971.

In 1968 a plan for the work of the Committee has been approved for the forthcoming four-year period foreseeing a symposium of INHIGEO in 1971 in Leningrad (USSR)- "Periodization problem in the history of geological sciences" and "History of uniformitarianism and actualism". Later, the International Union for the History and Philosophy of Science has fixed the dates of the XIII-th International Congress on the History of Science for the 18-24 of August 1971 in Moscow (USSR). Many INHIGEO members will, probably, be interested in taking part in the work of the section No 8 "History of the Earth Sciences" with its two subsections - on the history of geology and history of geography. Inasmuch as it seems inadvisable to convene two conferences on the history of geological sciences within one year in the same country, it has been decided to cancel the INHIGEO symposium planned for Leningrad and to recommend to all interested persons to participate in the XIII-th International Congress on the History of Science in Moscow.

Papers planned for the Leningrad symposium of INHIGEO can be submitted to section 8 on the History of Earth Sciences of the XIII-th Congress. People interested in reading a paper on the history of geological sciences should inform about it the Organizing Committee of the Congress not later than November 1, 1970 and send abstracts of their papers in one of the official languages of the Congress - English, Russian, French or German. The maximum size of the abstract is 200 words (2 copies, double-spaced typing). A maximum length of a paper at a section is 10 minutes.

During one of the days of the Congress sessions INHIGEO will hold its meeting to discuss current problems of its work.

A special programme is planned (outside the attendance

of scientific sessions) for all the participants of the Congress and its guests - sightseeing in Moscow, visits to museums, theaters etc.).

After the end of the Congress excursions will be organized for the participants and the persons accompanying them (by their choice):

- Tour No 1 - Moscow - Leningrad - Moscow
- Tour No 2 - Moscow - Tbilisi - Yerevan - Moscow
- Tour No 3 - Moscow - Tashkent - Samarkand - Bukhara - Moscow
- Tour No 4 - Moscow - Sochi - Yalta - Moscow
- Tour No 5 - Moscow - Kiev - Moscow.

Applications for the participation in the Congress should be sent to the Organizing Committee of the Congress: Moscow K-12, Staropansky per., 1/15.

All details and costs of participation in the work of the Congress as well as the cost of excursions will be given in the following circulars of the Congress.

ON THE PLAN OF INHIGEO ACTIVITIES IN 1972.

The plan of INHIGEO activities approved in 1968 for a four-year period indicates that a symposium should be taking place in 1972 - "History of concepts on Precambrian geology". It is included into the working plan of the 24th Session of the International Geological Congress (Montreal, Canada from the 21st to the 30th of August 1972), and given the No 6 on the list of symposia.

It is planned to hear papers on the history of the evolution of ideas and concepts on geological processes during the Precambrian period, on the specific features of old tectonics and lithology, on the origin and development of life, on the theories relating to the peculiarities of magmatism and a stratigraphic subdivision of the Precambrian, on the progress in methods of studying Archean and Proterozoic deposits.

Prof. John B. Waterhouse (University of Toronto, Toronto-5, Canada) is curator of symposium No 6. Applications for the participation in the Congress and Symposium should be addressed to the Organizational Committee of the Congress: 601 Booth Street, Ottawa-4, Ontario, Canada.

A general meeting of INHIGEO is going to take place during the period of the Congress Session with a report on the four years of activities of the Committee. There will also be a meeting of the new panel of the Committee appointed by the Executive Committee of IUGS to discuss the plan of INHIGEO activities for the period up to the 25th Session of the IGC and to elect new corresponding members of INHIGEO.

Candidates for corresponding members of INHIGEO
nominated by national organizations^{x)}From Argentine

(Nominated by the National Academy of Sciences of Argentina)

Telasco Garcia CASTELLANOS. Born in 1912. Docent (1938-1965) and professor of the chair of economic geology at the National University in Cordoba (since 1965); member of the National Academy of Sciences (1956), member British Society for the History of Science and the Geological Society of France. Author of 22 papers, half of which deals with the history of geology. "La ciencia geológica en la Edad Media: San Isidoro de Seville (560-636)", 1965; "Evolucion de los concimientos geológicos desde la Edad Media hasta el Siglo XX", 1968; "Histoire de la géologie", 1970.

From France

(Nominated by the University of Paris)

Philippe PINCHEMEL. Born in 1923. Dr. of Sci. (1952). Researches on the history of geography since 1942. Professor of humanitarian sciences of Lille University and Director of the Institute of Geography in Lille, later Professor of the European college in Bruges (since 1963), Professor of the Urbanism Institute, Paris University (1964-1968), Professor of the chair of geography at Sorbonne (since 1965). President of the Commission on Geographical Thought (since 1968). "Géographie de la France", 1964; "Source book for geography", 1965.

^{x)} Information is quoted according to material received by INHIGEO before July 1, 1970. Data on additional nominations will be submitted to the Committee meeting in Freiberg on September 14, 1970.

From Great Britain

(Nominated by the British National Committee for Geology)

Douglas Anthony BASSETT. Ph.D. Keeper of Geology, National Museum of Wales, Cardiff. Fellow of the Geological Society of London, member of the British Society for the History of Science. Vice-President of the Association of Teachers of Geology. Editor of the Welsh Geological Quarterly. Author of a number of bibliographies on the geology and allied sciences for Wales and of papers on the history of geology. "Bibliography and index of geology and allied sciences for Wales and the Welsh Borders (1897-1958)", 1961; "A source-book of geological, geomorphological and soil maps for Wales and the Welsh Borders (1800-1966)", 1967.

Trevor David FORD. B.Sc.Ph.Dr. Lecturer in geology, University of Leicester. Fellow of the Geological Society of London. Special interest in the history of early mining in Derbyshire, on which he has published a number of papers, including bibliographies and biographies of early British geologists. "White Watson (1760-1835) and his geological sections", 1960.

Martin J.S. RUDWICK. M.A., Ph.D. Lecturer in the history of science in the University of Cambridge. Previously lecturer in geology at the Sedgwick Museum, Cambridge. Fellow of the Geological Society of London. Member of the British Society for the History of Science. Author of papers on paleontology and the history of geology. "Hutton and Werner compared: George Greenough's geological tour of Scotland in 1805", 1962; "The foundation of the Geological Society of London", 1962; "Lyell on Etna and the antiquity of the Earth", 1969.

31.

From the U.S.A.

(Nominated by the U.S. National Committee of Geologists)

Joseph Alfred Aurèle LA ROCQUE, born in 1909. Ph.D. (geology) at University of Michigan (1948). Museum assistant, Geological Survey of Canada (1927-1945); research assistant, Museum of Zoology, University of Michigan (1945-1948); assistant professor (1948-1951), associate professor (1951-1953), professor Geology Department, Ohio State University (from 1954-to date). Member of many scientific societies in USA and other countries. Author of papers on paleontology and history of geology. "The admirable discourses of Bernard Palissy", 1957; "On the origin of springs" by Pierre Perrault transl. by A. La Rocque. 1967; "Bernard Palissy". In: "Toward a History of Geology", 1969; "Preface and annotations to a reprint of Jacques Besson: L'Art et science de trouver les eaux et fontaines cachées sous terre, 1569", 1969.

Alexander M. OSPOVAT, b. in 1923. Ph.D. (History of Science), 1960. Lecturer and later professor in history of science and history of geology, University of Oklahoma (since 1955). Member of the Oklahoma Academy of Science and of a number of scientific societies. Author of papers on A.G. Werner's investment into geology and his influence on the development of geology in other countries. "Werner's influence on American geology", 1959; Reflections on A.G. Werner's "Kurze Klassifikation", 1967; "Wernerian influence in the geological literature of Western Europe", 1967.

From the U.S.S.R.

(Nominated by the Ministry of higher and college special training of the USSR)

Illarion Illarionovich SHAFRANOVSKY. Born in 1907. Graduate of the geological department of Leningrad University (1930). Assistant professor (1931) associate professor

(1936), professor (1944) and head of the chair of crystallography since (1946) of the Leningrad Mining Institute. From 1934 to 1948 also professor of crystallography at Leningrad State University. Dr. of geol. and miner. sciences (1942). Author of 370 papers on crystallography, mineralogical crystallography and the history of crystallography and mineralogy (139 papers). "Vydaiuschiessia russkie mineralogi" (Outstanding Russian mineralogists), 1949; "Istoria kristallografii v Rossii" (The History of crystallography in Russia), 1962; "Evgraf Stepanovich Fedorov", 1963; "A.G. Werner - znamenity mineralog i geolog" (A.G. Werner - famous mineralogist and geologist), 1968.

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