# INTERNATIONAL COMMISSION ON THE HISTORY OF GEOLOGICAL SCIENCES INTERNATIONALE KOMMISSION FUR GESCHICHTE DER GEOLOGISCHEN WISSENSCHAFTEN



## NEWSLETTER 18 INFORMATIONSBRIEF 18

ROSTOCK (DDR) 1984

INTERNATIONAL UNION OF GEOLOGICAL SCIENCES OF THE HISTORY AND INTERNATIONAL UNION PHILOSOPHY OF SCIENCES

FÜR GEOLOGISCHE WISSENSCHAFTEN INTERNATIONALE UNION INTERNATIONALE FÜR GESCHICHTE PHILOSOPHIE UNION UND DER WISSENSCHAFTEN

International Commission on the History of Geological Geschichte der Geologischen Sciences (INHIGEO)

Internationale Kommission für Wissenschaften (INHIGEO)

Newsletter No 18 Informationsblatt Nr. 18

ROSTOCK 1984 GDR DDR ROSTOCK 1984

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Sektion Geschichte der Wilhelm-Pieck-Universität

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Dear colleagues,

The present Newsletter (no. 18) contains the report on the work of INHIGEO in the period between 1980 and 1984 and a list of the names and addresses of the members and corresponding members of INHIGEO elected in Moscow in August 1984. It also includes the bye-laws of INHIGEO in their unchanged form as passed in 1978.

Newsletter no. 18 is the last edition published in Rostock (GDR). After Moscow (no. 1-10, 1967-1976; Prof. Tikhomirov) and Rostock (no. 11-18, 1977-1984), publication of the Newsletter will now be continued by the newly elected General Secretary, Dr. Dudich (Budapest/Hungary).

In spite of its modest lay-out, the Newsletter has met with great interest from all over the world. It is thanks to those colleagues who have made continuous contributions to the Newsletter in the form of reports, information, annotations, announcements, etc. that this interest has been shared by both members and non-members of INHIGEO. Many colleagues supported our work by sending the Newsletter to individual scholars, institutes, libraries and other institutions of their countries and regions. Many thanks to all colleagues and friends for their kind help. Without their support it would hardly have been possible to achieve the goals set before INHIGEO. We hope that this tradition will be continued and therefore kindly request you to support Dr. Dudich in his future work by sending him publications and offprints on the history of geological sciences, information about current activities and projects of national groups on the history of geology, reports on the work done by members and corresponding members of INHIGEO,/ etc. This will not only make it possible to continue publication of our Newsletter but also to raise its quality and effectiveness.

M. Guntau

Report on the work of the International Commission on the History of Geological Sciences (INHIGEO) between the 26th and the 27th International Geological Congresses (1980 - 1984)

As a rule INHIGEO organizes twice in each period an international symposium: during the International Geological Congress, and between two Congresses.

- a) During the 26th International Geological Congress (Paris, July 1980) the IXth INHIGEO-symposium ("The Development of Geological Sciences up to the death of Cuvier: Works in the French language and their role in the international exchange of Ideas") was organized in cooperation with the French Committee on the History of Geology and the French Committee on the History and Philosophy of Science. A second symposium (not under the responsibility of INHIGEO) dealt with "The History of Tectonics up to the 13th International Geological Congress, in Brussels, 1922". The convener of these symposia was F. Ellenberger. Under the auspices of INHIGEO extra-Mural lectures were delivered about the topics of the above-mentioned symposiums. They were also open to people not participating in the Congress. Before the Congress a 9-days excursion "To the origins of French geology" took place, which was prepared by F. Ellenberger and Mrs G. Legée.
- b) The Xth INHIGEO symposium was held in Budapest, 16-26.
  August 1982. It was organized by E. Dudich for INHIGEO, the
  Hungarian Academy of Sciences, the Hungarian Geological
  Society, the Central Office of Geology and the Geological
  Institute of the University of Budapest. The theme was "The
  Development of Geological Mapping in Connection with the
  Progress of Geological Thinking". A beautiful collection of
  geological maps, in particular of Central Europe, was exhibited.
  The participants joined the celebration of the Centennial
  Jubilee of the Paleontological Institute of the University of
  Budapest. Excursions to the Danube Bend and to the Transdamubian
  Central Range and the Balaton Area were organized. The Inter-

national Union of History and Philosophy of Science gave considerable finnancial support.

- c) At the XVIth International Congress on History of Science, Bucharest, 1981, a section "History of the Earth Sciences" dealt with geology as well as geography. So many of our members participated that it was worth while to hold an informal meeting.
- d) Many symposiums on history of geology on a regional or national level took place in which members and corresponding members of INHIGEO participated in the organization and by contributing papers. We mention only part of them:

  The Chinese Society of History Science and Technology held a symposium at Canton, Dec. 1982, on "History of Earth Sciences in China", and "Comperative studies in history of earth sciences in China and the West". The History Division of the Geological Society of China held its first symposium at Peking University, Oct. 5-9, 1982, on "Divisions and comparative studies in the history of geological sciences" and "Fundamental

problems of Chinese history of geology".

INHIGEO members took an active part in the Commemorations of
A. Wegeners 100th birthday in East-Berlin, West-Berlin, Graz,
Moscow, Toronto and Washington.

The study group on history and philosophy of the Geologische Gesellschaft DDR and the Mining Academy of Freiberg held a symposium (March 1982) in Freiberg and Dresden on "Geoscientific Collections and Museums in the past and present". In Oct. 1983 the 3d Bilateral DDR-USSR Symposium was held in Greifswald on "The Development of philosophical and methodological ideas in the Earth Sciences".

A commission on the History of Geology and Paleontological Sciences has been founded in Spain; it has developed great activity. This may be said also of the History of Geology Division of the Geological Society of America, which publishes its own Newsletter, Apart from this an international "History of the Earth Sciences Society" has started activities (mainly in America) in 1982.

In the past four years, members and corresponding members of INHIGEO produced a great number of valuable publications. Particular mention should be made of the fact that the papers of the last international INHIGEO symposia held in the FRG, France and Hungary were published as separate volumes respectively:

- H. Hölder (ed.): Regionale Einflüsse auf Ursprung und Entwicklung geologischer Theorien. VIIIth INHIGEO Symposium Münster-Bonn, September 1978. In: Münsterische Forschungen zur Geologie und Paläontologie, Heft 58, 123 pp., Münster (FRG) 1983.
- F. Ellenberger (ed.): Le dévelopment de la géologie de langue française dans ses relations internationales des origines à la mort de Cuvier (1832). IXth INHIGEO Symposium Paris, Juileet 1980. In: Histoire et Nature No. 19-20, 147 pp., Paris 1981/82.
- E. Dudich (ed.): Contributions to the History of Geological Mapping. Proceedings of the Xth INHIGEO Symposium, 16-22 August 1982. Budapest, Hungary. Akadémiai Kiadó, XII + 440 pp. Budapest 1984.

A large number of books and articles has been written by the members and corresponding members of INHIGEO, or edited by them. A few of them may be mentioned:

- Albritton, C.C.: The Abyss of Time. Changing Conceptions of the Earth's Antiquity after the Sixteenth Century. San Francisco 1980.
- Craig, C.V.; Jones, J.A.: A Geological Miscellany. Orbital Press, Oxford 1982.
- Davies, G.L.H.: Sheets of Many Colours. The Mapping of Ireland's Rocks 1750-1890. Royal Dublin Society, Dublin 1983.
- Engelhardt, W.v.; Zimmermann, J.: Theorie der Geowissenschaft. Paderborn-München-Wien-Zürich 1982.
- Gordeev, D.I.: Andrei Dimitrijewič Archangelskij. 1879-1940.
  Moskva 1981.

- Greene, J.C.: American Science in the Age of Jefferson.
  The Iowa State University Press, Ames 1984.
- Guntau, M.: Die Genesis der Geologie als Wissenschaft. Schriftenreihe für Geologische Wiss. No. 22, Akademie Verlag Berlin 1984.
- Hercko, I. (ed.): Z dejin geologických vied na Slovenku (On the History of Geological Sciences in Slovakia). Banská Štiavnica 1981.
- Hooykaas, R.: Science in Manueline Style. Academia International de Cultura Portuguesa. Coimbra 1980.
- Lopez de Azcona, J.M.: Los Hermanos Elhuyar, Descubridores del Wolframio, 1782-1783. Madrid 1983.
- Schwarzbach, M.: Alfred Wegener und die Drift der Kontinente. Stuttgart 1980.
- Shafranovskij, I.I.: Istorija kristallografii (History of Cristallography), Vol. II, Leningrad 1980.
- Tikhomirov, V.V. (ed.): The Story of Geological Map. Moscow 1982.
- Xia Xiangrong; Li Zhongjun; Wang Genyuan: Historical Development of Ancient Chinese Mining Industry. Beijing 1980.
- Xia Xiangrong; Wang Genyuan: History of the Geological Society of China. Beijing 1982.

The annual "Newsletter" of INHIGEO, edited by M. Guntau, appeared regularly (the nrs 14 to 17 for the years 1980 to 1983), in 1100 copies, which was made possible by financial support of the DDR Akademie der Wissenschaften. It gives reports on the activities of INHIGEO and the national groups, book reviews, and information about persons. It keeps informed not only the 19 members and 50 corresp. members, but it is also sent to geological institutes and to geologists interested in historical studies.

The public meetings following the business meetings of INHIGEO are also accessible to non - members.

#### Plans for the future:

- a) During the 27th International Geological Congress in Moscow, August 1984, the XIth INHIGEO Symposium will be held (in cooperation with the Section Mineralogy of the Congress and the International Mineralogical Association), on "The History of Mineralogy". The convener and organizer of this symposium is V.V. Tikhomirov. In the Section "History of Geology" of the Congress there will be symposiums on "Development of ideas on the composition of the earth" and "Development of ideas about the dynamics and structure of the earth's crust and the upper mantle".
- b) In 1985, during the meeting of European Geological Societies, in Edinburgh, the History of Geological Sciences Subcommittee of the Royal Society of London will organize a symposium on "The Influence of Scientific Organizations on the Development of Geology". This symposium, which will also be the XIIth INHIGEO Symposium, will be prepared by G.Y. Craig.
- c) Among the topics suggested for future meetings on history of geology are: ideas on catastrophism, in past and present; the genesis of basalt and granite; chronological classification and methods of determining geological time; geophysics.

During the past period the chairman and secretary of INHIGEO had regular contact by correspondence, telephone, and yearly personal meetings. Between the INHIGEO business meetings the other members of the Bureau and the members of INHIGEO were, by letter, asked for advice.

By means of its commission for the history of geological sciences IUGS has greatly stimulated research in history of the earth sciences. The activities in this field have much increased; in particular also the younger generation is taking part in this work.

R. Hooykaas (Chairman INHIGEO)

M. Guntau (Secretary INHIGEO)

#### THE PANEL OF

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Sydney, N.S.W. 2006

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#### BYE - LAWS

# OF THE INTERNATIONAL COMMITTEE ON THE HISTORY OF GEOLOGICAL SCIENCES

(Accepted in Münster September 13, 1978)

- INHIGEO is a Committee of the International Union of Geological Sciences (IUGS), and it is affiliated to the International Union of the History and Philosophy of Science (IUHPS).
  - It is therefore bound to the rules set in the Statutes, Byelaws and Regulations of IUGS for the Committees of IUGS (Bye-laws IUGS VI, 22; cf. Statutes IUGS VII, 24-28).
- 2. The task of INHIGEO is to promote studies in the history of geological sciences and to stimulate and coordinate the activities of national and regional organisations that have the same purpose. It does so inter alia by promoting the holding of national, regional and international symposia and the publication of individual and collective works on the history of geological sciences (cf. Statutes VII, 24).
- 3. Reports on work performed and an evaluation of the fulfilment of working terms and the accounts are submitted on 1st December each year to the Secretary-General of IUGS (IUGS Regulations, III Committees, p. 15). Reports on the work performed in the period between Sessions of IUGS and IUHPS are submitted to the Sessions of those organizations (Statutes VII, 27). The budget for the following year is submitted by the President and the Secretary-General to the Secretary-General of IUGS before Oct. 1st.

#### Structure

- 4. a. INHIGEO consists of a convenient number of members, kept at a practical minimum in relation to the nature of its work (Statutes VII, 26).
  - b. Members are selected from persons conducting studies on

the history of the geological sciences. There shall be only one member of the same country.

- c. The members are elected by the Council of IUGS, on the proposal of IUGS-members or the Executive Committee of IUGS, after nomination by the Chairman and Secretary-General of IUGS (cf. Statutes VII, 25) and assent being given by the Committee.
- d. The Bureau of INHIGEO consists of the President, the Vice-Presidents, the Secretary-General and the Past-President. The members of the Bureau represent the major regions: America, Western Europe, Eastern Europe, Asia, Australia and Oceania (and Africa).

The President and members remain in office until the next session of the Council of IUGS. The President and the Secretary-General are re-eligible for one term only; the other members are eligible for re-appointment (Statutes IUGS VII, 25).

- e. It is recommended that membership of the Bureau should circulate among regions and countries as much as possible.
- f. Corresponding members are elected by INHIGEO among scientists known by their publications on the history of geological sciences. They are elected for one period, but may be re-elected without limit. First nomination for election of a corresponding member must be approved by the National Committee of Geology, the Geological Society, the Academy of Sciences or by another scientific body of the country concerned.

#### Functions

- 5. The Bureau directs the activities of INHIGEO. The president may delegate his powers to one of the Vice-Presidents by mutual agreement. The President and the Secretary-General divide the management of organizational and financial matters between themselves.
- 6. The Bureau gives annual information to the members and

corresponding members by means of a bulletin in the language of the official text of IUGS-statutes (cf. Statutes VIII, 32), and, if convenient, in one of the other official languages of IUGS (cf. Bye-laws IUGS par. 25: French, German, Italian, Russian and Spanish).

- 7. Regular meetings of INHIGEO are held at the time of the sessions of the International Geological Congress in order a. to discuss reports on the work of INHIGEO and of national groups (which have been formed either by free association of historians of geological sciences, or by appointment by national Geological Societies or Academies of Science), and to consider plans for the next term.
  b. to make the nomination of ordinary members for election
  - by the Council of IUGS and to elect corresponding members and the members of the Bureau for the next period.
- 8. Special meetings of INHIGEO or of its Bureau can be held at any time by decision of the Bureau.
- 9. In the meetings of INHIGEO only the full members have a vote. A decision is considered valid if it is approved by the majority of the total number of the full members of INHIGEO. In case a full member is not present at the meeting, his vote can be made by proxy. Each scientists participating in the meeting may act only once as a proxy voter.
- 10. The work of INHIGEO may be discontinued by decision of the Council of IUGS (Statutes VII, 25).

#### Notes on the BYE-LAWS of INHIGEO

- According to the stipulations of the International Union of Geological Sciences the status of INHIGEO is no longer that of a Committee but of a Commission. Therefore its name has been "International Commission on the History of Geological Sciences" since 1980.
- References in the INHIGEO bye-laws concerning statutes, regulations and the bye-laws of the IUGS are in accordance with the documents of the Union valid until 1980.

#### NOTIZEN

