

NOTICES

ANNUAL PITTSBURGH DIFFRACTION CONFERENCE ADVANCE NOTICE

Twenty-third Annual Meeting

November 3, 4, 5, 1965 at Mellon Institute, Pittsburgh, Pa.

Chairman: Dr. L. F. Vassamillet, Mellon Institute

Papers are invited on any aspect of diffraction, crystallography, or crystal physics. Special sessions on: metals, ceramics, structures, crystal physics (lattice dynamics, crystal-line imperfections), instrumentation and techniques.

Symposium on texture and preferred orientation in polymers. Guest speaker at Thursday evening meeting and banquet: Dr. Elizabeth Wood of the Bell Telephone Laboratories.

Abstracts, not to exceed 400 words, but outlining the facts to be presented, must be submitted by *September 17, 1965* to:

Dr. B. R. Banerjee
Crucible Steel Company
234 Atwood
Pittsburgh, Pennsylvania 15213.

Limited facilities for the exhibition of equipment will be available. Address inquiries to the Arrangements Chairman:

Dr. Gordon Sargent
Mellon Institute
440 Fifth Avenue
Pittsburgh, Pennsylvania 15213.

SYMPOSIUM

PROBLEMS OF HYDROTHERMAL ORE DEPOSITION THE ORIGIN,
EVOLUTION AND CONTROL OF ORE-FORMING FLUID

BELGRADE 1967—YUGOSLAVIA

Belgrade, May 1, 1967

The International Association On the Genesis of Ore Deposits and the Yugoslav Association On the Genesis of Ore Deposits, under the sponsorship of the Union of the Geological Societies of SFRY, the Council On Ore-formation, Section of Earth Sciences, Academy of Sciences, USSR, and the Society of Economic Geologists, USA, will arrange the 2. Symposium on problems of ore deposition, entitled "The Origin, Evolution and Control of Ore-forming Fluids," in Belgrade, September 1967.

The purpose of the Symposium is to discuss some of the important problems of hydrothermal ore deposition. Selecting from the topics proposed by the members of the I.A.G.O.D genetic problems of the Yugoslav ore deposits have been taken into account. The theme is restricted to three questions, which at present shall be regarded from a new point of view.

A. Place and Date

The 2nd Symposium will be held in Belgrade, in the first half of September 1967.

B. *The Organizing Committee*

Chairman: Dr. S. Rakić, Beograd
Members: Prof. Dr. Ing. S. Janković, Beograd
Prof. Dr. Ing. I. Jurković, Zagreb
Prof. Dr. Ing. B. Berce, Ljubljana
Prof. Dr. Ing. M. Ramović, Sarajevo
Secretary: Ing. T. Ivanov, Skopje

C. *Work of the Symposium*

The work of the Symposium will be divided into three parts:

I. The problems will be discussed in the form of short, written contributions, presenting the author's opinions on some of the topics listed below. The contributions will be published and distributed as a Volume before the Symposium, June 1, 1967.

The topics selected are as follows:

1. The source of metals of hydrothermal deposits, the depth of formation and the vertical extent of ore deposition.
2. Regularities of different wall-rock alteration in the course of mineralization processes in hydrothermal deposits.
3. Replacement phenomena in hydrothermal deposits, from the new physico-chemical and geochemical point of view.

II. The Organizing Committee will ask specialists to prepare comprehensive reports on each of these three problems and they will be presented at the Symposium. These reports will briefly review and compare the different opinions of the individual contributors, as presented in the Volume before the Symposium, and will be followed by an open discussion. The discussions will be in English and Russian only and will be translated simultaneously. The comprehensive reports, together with the discussion, will be published in a separate Volume after the Symposium.

III. As the last part of the Symposium program an excursion, lasting about a week, will be arranged. Some important copper, lead and zinc, and antimony ore deposits will be visited.

D. *The presentation of written contributions*

The Organizing Committee will accept typewritten contributions in English only. Manuscripts should not exceed five typewritten pages and the accompanying illustrations should not be more than two pages. They must be in black and white and in a suitable scale ready for reproduction. The contributions should be sent in time, so that they are received by May 1, 1966. The Organizing Committee reserves the right to accept or reject any paper offered.

E. *Accommodations*

The organizers wish to inform you that the price of board and lodging will probably be 15 US dollars per day.

F. *Information*

This circular is the first giving information on the 2nd Symposium, Belgrade 1967. If you intend to participate personally, or, if you are about to present your written contribution as a non-attending member, please, fill in the information card enclosed. This card

should be sent by January 1, 1966. Based on this card our next circular with detailed information about: membership fee, cost of excursion and price of publication, will be sent.

G. Correspondence

All correspondence concerning the 2nd Symposium should be addressed to: The Yugoslav Association on the Genesis of Ore Deposits, Belgrade, P. O. B. 227, Yugoslavia.

INTERNATIONAL UNION OF CRYSTALLOGRAPHY SEVENTH GENERAL ASSEMBLY AND INTERNATIONAL CONGRESS AND SYMPOSIUM ON CRYSTAL GROWTH

Moscow, U.S.S.R., 12-21 July 1966

By invitation of the Academy of Sciences of the U.S.S.R., the Seventh General Assembly and International Congress of the International Union of Crystallography will be held in Moscow, U.S.S.R., from 12 to 19 July 1966, and be followed by a Symposium on Crystal Growth on 20 and 21 July.

Details about the meetings are given in an *Information Booklet* which will be distributed through the secretaries of the National Committees for Crystallography. Copies of this Information Booklet and of the Registration Forms can also be obtained from the Soviet Organizing Committee for the Congress (Institute of Crystallography of the Academy of Sciences of the U.S.S.R., Leninsky prospekt 59, Moscow B-333; cable address: Moscow, Kristallografia) or from the General Secretary of the Union, Dr. D. W. Smits (Rekenentrum der Rijksuniversiteit, Grote Appelstraat 11, Groningen, The Netherlands).

The following is a summary of some of the information included in the Information Booklet.

A. General Information

The meetings will be held in the buildings of the University of Moscow. Members who wish to contribute a paper to the Congress or Symposium should forward their completed Registration Forms to the Soviet Organizing Committee *not later than 2 January 1966* (see also below); those who do not wish to contribute a paper but who wish to attend the Congress and Symposium must forward their Registration Forms *not later than 15 April 1966*.

A number of social events will be organized for all active and accompanying members of the Congress. In addition excursions to Leningrad, Kiev, Tbilisi, and, if there is sufficient interest, to one or more other places are planned for the days before and after the period of the Congress.

The best way of visiting the Soviet Union will be by using the services of the U.S.S.R. Company for Foreign Travel, "Intourist," and its agencies throughout the world.

B. General Assembly

The General Assembly is concerned with the formal business of the Union, and official delegates to the Assembly are appointed by the Adhering Bodies of the Union. The opening session of the Assembly will be held on Tuesday 12 July, the closing session on Tuesday 19 July. On both these occasions appropriate ceremonial will take place, in which the members of the Congress will participate. All correspondence and enquiries with respect to the General Assembly should be addressed to the General Secretary of the Union.

C. Congress

The program of the Congress will consist of:

- (a) Five General Lectures, to be given by invited speakers on selected topics.
- (b) Sessions for the presentation and discussion of contributed papers on the usual wide range of topics. The Congress will consist of the following 17 Divisions:
 1. Theory of structure analysis.
 2. Theory of diffraction of x -rays, neutrons and electrons; experimental confirmation of theory.
 3. Symmetry in its relation to crystalline structure.
 4. Dynamics of crystalline structure, force-field theory.
 5. Structure of inorganic compounds, including minerals.
 6. Structure of metals and alloys.
 7. Magnetic structures.
 8. Structure of organic compounds, including salts of organic acids.
 9. Structure of organic coordination compounds of metal ions.
 10. Structure of proteins and related compounds.
 11. Types of breakdown of ideal structure of crystals, and methods of their investigation; dislocations and polytypes.
 12. Structure and properties of crystals in the field of phase transitions; topotaxy.
 13. Apparatus and techniques for crystallography.
 14. Computing: only papers which present a new point of general crystallographic interest will be accepted.
 15. Partly ordered structures: large molecules with internal order of some sort, fibers, liquids, glasses, surface and film structures.
 16. Thermal motion of atoms and molecules; methods of investigation and connection with the properties of crystals.
 17. Miscellaneous topics.

For each Division a Chairman has been appointed who will be responsible for the organization of his Division. Each contributed paper will, on the average, be allowed ten minutes for presentation, and in no case shall any paper be allowed more than twenty minutes.

It has been decided that each author will be allowed only one contributed paper in the program. By this rule joint authors whose names are attached to a contributed paper may not offer another paper to the contributed program nor may they be joint author for another contributed paper.

Authors should forward their Registration Forms, and the title and abstract of their papers, to the Soviet Organizing Committee *not later than 2 January 1966*. It is emphasized that it will not be possible to include any papers in the program which are received after this date. The abstracts may be in English, French, German or Russian. They should contain as much information as possible within a permitted maximum length of 400 words. The uniform size for slides will be 5×5 cm (2×2 in.).

One day reserved for meetings of Commissions and Committees of the Union. These bodies may use this day at their own discretion for business meetings or for open sessions. Some Commissions have expressed the wish to organize such open sessions.

D. Symposium on Crystal Growth

The topics of the Symposium will be the following:

1. External and internal morphology in its relation to the mechanism of crystal growth.

2. The effect of impurities on crystal growth.
3. Epitaxy and autoepitaxial overgrowth (films).

The Symposium will be organized by Professor N. N. Sheftal (address: Soviet Organizing Committee, see above). The number of papers to be included in the program of the Symposium will be limited.

E. *Exhibitions*

During the period of the Congress there will be exhibitions (a) of commercial apparatus and research equipment for crystal-structure analysis and crystal growth, (b) of books and other publications, and (c) of non-commercial apparatus and gadgets. All enquiries and correspondence concerning these exhibitions should be addressed to the Soviet Organizing Committee.

Those interested in registering for the meetings are urged to read carefully the details given in the Information Booklet, and to follow the procedures set out there for registration and for contribution of papers to the scientific program. Early completion and return of the appropriate forms will be helpful to the Soviet Organizing Committee, to the Program Committee, to the Division Chairmen, and to all others involved in the organization of the meetings.

Louis Moyd has recently been appointed to the newly created position of Curator of Minerals of the National Museum of Canada in Ottawa. The Moyds' new address is: R.R. 2, Bells Corners, Ontario, Canada.