

## ANNOUNCEMENTS

### AWARD OF THE GOLD MEDAL OF L'INSTITUT FRANCAIS DES COMBUSTIBLES ET DE L'ENERGIE TO PROFESSOR LUIKOV

It is a pleasure to report that, at a recent ceremony, Professor Alexis Vasilievich Luikov, Director of the Institute for Heat and Mass Transfer at Minsk and Editor of the International Journal of Heat and Mass Transfer was awarded the Gold Medal of L'Institut Francais Des Combustibles et De L'Energie. This award was made in recognition of Professor Luikov's considerable contributions to Heat Transfer.

### JOINT MEETING OF COMMISSIONS B1 (THERMODYNAMICS AND TRANSPORT PROCESSES) C 1 (FREEZE-DRYING; CRYOBIOLOGY; MEDICAL APPLICATIONS) AND C 2 (FOOD SCIENCE AND TECHNOLOGY) OF THE I.I.R.

Bressanone, Italy, September 18-20, 1974

This joint session of Commissions B 1, C 1 and C 2 of the I.I.R. will be held at the summer residence of Padua University, Bressanone, Italy.

The following themes will be dealt with:

1. Heat and mass transfer in the cooling, freezing and freeze drying of foodstuffs;
2. The thermophysical properties of foodstuffs;
3. The formation and growth of ice crystals;
4. Structure and micro-structure of frozen products.

#### *Papers*

Communications may be submitted in English or in French: the summaries of papers (about 200 words) should be submitted by 1 March 1974 the latest; full texts of papers (about 2000 words) not later than 1 May 1974.

These documents should be addressed to: one copy to Prof. F. MATTAROLO, Facoltà d'Ingegneria, Istituto di Fisica Tecnica, Via F. Marzolo 9, 35100 Padova, Italy; and one copy to the Central Office of the International Institute of Refrigeration, 177, boulevard Malesherbes, 75017 Paris, France.

#### *Presidents of the relevant Commissions*

Commission B 1: Prof. Dr. Ing. H. GLASER, Rhoenweg 9, 703 Boeblingen, Germany.

Commission C 1: M. W. W. ROTHMAYR, Directeur-adjoint, Sté d'Assistance Technique pour Produits Nestlé S.A., Recherches et Développement, 1814 La Tour de Peilz, Switzerland.

Commission C 2: Prof. R. ULRICH, Laboratoire du Froid de Bellevue, 4<sup>ter</sup>, route des Gardes, 92-Meudon, France.

#### *Registration fees*

30 000 Italian Liras for participants;

18 000 Italian Liras for Commission members, Associate Members and Authors of papers;

12 000 Italian Liras for accompanying members.

### NINTH INTERNATIONAL SYMPOSIUM ON RAREFIED GAS DYNAMICS

Göttingen, 15-20 July 1974

#### *First announcement and request for titles*

The Ninth International Symposium on Rarefied Gas Dynamics will be held at Göttingen in the Federal Republic of Germany from Monday 15 July to Saturday, 20 July 1974.

*Scope*

The purpose of the Symposium, as in the past, is to bring together scientists from various parts of the world, so as to record and discuss current research studies in this field, to critically evaluate the present knowledge, and to direct attention to new areas of basic and applied research.

The Symposium will deal with theoretical and experimental research on rarefied gas dynamics. It will include invited and contributed papers of fundamental and practical interest. The subject areas to be covered are broadly as follows:

1. Nonequilibrium statistical mechanics and kinetic theory; monatomic and polyatomic gases, mixtures and plasmas, interaction with radiation, etc.
2. Numerical methods in rarefied gas dynamics; Monte Carlo simulation, solution to the Boltzmann equation, statistical modeling of flow phenomena, etc.
3. Experimental methods in rarefied gas dynamics; flow facilities, electron beam and molecular beam flow diagnosis, measurement techniques related to any of the topic areas.
4. Flow phenomena in rarefied gas dynamics; expansions and jets, flow through tubes, orifices and porous media, gas sampling inlet systems, external flows, shock waves and wakes, space aerodynamics, etc.
5. Fundamental problems in rarefied gas dynamics; transport phenomena, evaporation and condensation, effusion, viscous interaction, isotope separation, physics of aerosols, etc.
6. Rarefied gas dynamics problems in related fields; astrophysics, plasma physics, vacuum technology, chemical engineering, gas bearing technology, etc.
7. Molecular force fields and interactions; scattering of particles, ionization of molecules, reaction kinetics, etc.
8. Gas-surface interactions and their influences on flow fields; surface scattering, sorption phenomena, accommodation coefficients, surface chemistry, surface diagnostic techniques, etc.

*Request for titles of papers*

The planning of the Symposium would be simplified if prospective participants could provide by 1 December 1973, the proposed title and a brief statement of the general nature of the work on which they propose to report.

*Final selection and publication*

The selection of papers for the Symposium will be made on the basis of sufficiently detailed abstracts, to be submitted by 1 February 1974. Authors will be notified about the acceptance of their contribution before 1 April 1974. Authors should submit their papers in final form before 1 June 1974, so that the conference proceedings can be distributed at the time of the symposium.

Address all correspondence to RGD—Symposium Secretary, DFVLR—AVA, D-3400 Göttingen, Bunsenstr. 10, Federal Republic of Germany.

## HEAT TRANSFER IN GAS-COOLED REACTORS

## CALL FOR PAPERS

The Nucleonics Heat Transfer Committee (K-13) of the ASME Heat Transfer Division is sponsoring a special session on "Heat Transfer in Gas-Cooled Reactors" at the Winter Annual Meeting to be held in New York (17–21 November 1974).

Papers are now being solicited for the Gas-Cooled Reactor Session. Papers concerned with heat transfer analysis, thermal design, or experimental heat transfer investigations for gas-cooled reactor power plants are of interest. Topics appropriate for this session include heat transfer in reactor cores, blankets, thermal barriers, pressure vessel coolant systems, core auxiliary cooling systems, fuel handling machines, control rod drives, reactor instrumentation, and components of gas-cooled reactor gas turbine systems. Heat transfer related safety analyses, as well as normal steady state and transient analyses, fall within the scope of this session.

Authors intending to submit papers for consideration should submit abstracts by 15 March 1974 and should plan to submit four copies of the complete manuscript by 25 May 1974 to:

Papers by authors in U.S. and any other Countries outside Europe: Paul H. Sager, Jr., Gulf General Atomic Company, P.O. Box 81608, San Diego, California 92138.

Papers by authors in Europe (Including U.S.S.R.): Dr. G. Markóczy, Swiss Federal Institute for Reactor Research, 5303 Würenlingen, Switzerland.

All papers submitted will be reviewed for presentation and papers accepted will be preprinted in multilith pamphlet form for the meeting. Papers of high quality and permanent interest will be recommended for publication to the Editor of the Journal of Heat Transfer, although separate submittal to the Journal must be made by the author.