

ANNOUNCEMENT
1978 INTERNATIONAL CONFERENCE ON
PHYSICOCHEMICAL HYDRODYNAMICS
(The Levich Conference)

Washington, DC, U.S.A.

6-8 November 1978

A Conference was held in Oxford, England, in July 1977, to celebrate the 60th birthday of Professor Benjamin Levich. The subject was PhysicoChemical Hydrodynamics, which has been brought into focus by Levich as a subject of interest and importance to pure and applied scientists of many disciplines. The Proceedings of the Conference have been published.

The Second Conference on PhysicoChemical Hydrodynamics will be held at The National Academy of Sciences, 1201 Constitution Avenue, Washington, DC, U.S.A., from 6-8 November 1978.

The Conference will be conducted by way of six 4-hour sessions, each involving four presentations by experts in the field, followed by discussions.

Every effort has been made to ensure that the presentations will be of a high standard, and suitable in style to be informative to practitioners of PhysicoChemical Hydrodynamics, whatever their main discipline. It is hoped, in this way, to promote interdisciplinary understanding and collaboration among persons who approach this subject from diverse points of view. The scheduled program is as follows:

Lecturer	Title/Field
S. G. Bankoff	Destabilization of Film Boiling
P. L. Blackshear	Particle Behaviour and Transport Processes in Flowing Blood
H. Brenner	A Generalized Approach to Taylor Dispersion Problems
T. A. Brzustowski	Mixing and Chemical Reaction in Industrial Flares and Their Models
I. Glassman	Sub-Surface Flow in Flame Spread Across Liquid Fuels
J. Langer	Recent Developments in the Theory of Dendritic Crystal Growth
B. G. Levich	PhysicoChemical Hydrodynamics
R. A. Marcus	Electron and Proton Transfer Theory in Electrochemistry
L. G. Napolitano	Fluid Dynamics in Micro-Gravitational Environments
A. K. Oppenheim	Examples of Fluid Mechanically Dominated Effects in Combustion of Lean Mixtures
S. Ostrach	Natural Convection with Coupled Driving Forces
R. Parsons	The Electrical Double Layer
D. E. Rosner	Thermal (Soret) Diffusion Effects on Interfacial Mass Transport Rates
F. Rosenberger	Fluid Dynamic Effects in Crystal Growth from Vapors
E. E. Salpeter	The PhysicoChemical Hydrodynamics of the Interior of Massive Planets
L. E. Scriven	Capillary Hydrodynamics
D. B. Spalding	Numerical Computations of Two-Phase Flows
E. M. Sparrow	The Role of Natural Convection in the Melting of Solids
C. L. Tien	Flooding in Two-Phase Counter-Current Flows
C. W. Tobias and U. Landau	Mass Transfer and Current Distribution in a Channel Type Electrolyzer in Turbulent Flow
L. M. Trefethen	Surface Tension in Fluid Mechanics
M. G. Verlarde	Rayleigh-Benard Instability

The Proceedings will be published soon after the end of the Conference.

Further information can be obtained from: Professor D. Brian Spalding, Conference Chairman, 1978 PhysicoChemical Hydrodynamics Conference, Suite A7, 3400 Blue Spring Road, Huntsville, AL 35810, U.S.A.

Their names will be added to the mailing list for further information.