

RHEOLOGY BULLETIN

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52nd ANNUAL MEETING

Williamsburg, Virginia
February 22-26, 1981

Registration forms and housing information were mailed separately to members in November. Write Greg McKenna, Polymer Science & Standards Div., National Bureau of Standards, Washington, DC 20234. Fee is \$25 for members.

The program organized by Costel Denson and his committee appears as a separate enclosure, along with the abstracts of the papers.

BIOGRAPHICAL SKETCH OF HOWARD BRENNER

Professor Howard Brenner, Chairman of the Dept. of Chemical Engineering at the University of Rochester, has been named the 1980 Bingham Medalist of The Society of Rheology.

Dr. Brenner was born in New York City and received his undergraduate and graduate training in that city. In 1950, he was awarded a B.Ch.E. (with honors) from the Pratt Institute. Prof. Brenner received his M.Ch.E. (1954) and Eng. Sc.D. (1957) from New York University, staying on there initially as Asst. Professor of Chemical Engineering. In 1966, Carnegie-Mellon University finally enticed Dr. Brenner to leave the confines of New York City and he spent 11 years in Pittsburgh as Professor of Chemical Engineering, leaving in 1977 to assume his present position at Rochester.

Professor Brenner's contributions to rheology and fluid mechanics have been numerous and important. His papers are characterized by rigor, clarity and a knowledge of both the application and limitation of the analyses to problems of practical importance. He is probably best known for his fundamental work on developing constitutive equations for dilute suspension and emulsions. Prof. Brenner's book on *Low Reynolds Number Hydro-Dynamics* (with Happel) has been a fertile ground for research in the rheology of particulate systems and still serves as a primary reference source for work in this area. More recently, he has made fundamental contributions to the field of surface diffusion and interfacial mass transfer and dispersion in flow through porous media.

Other recent achievements of Prof. Brenner include being Sherman Fairchild Distinguished Scholar at California Institute of Technology (1975-76), receiving the Alpha Chi Sigma Award of the American Institute of Chemical Engineers (1976), and election to the National Academy of Engineering (1980).

53rd ANNUAL MEETING

October 11-15, 1981
Stouffers Inn (Downtown)
Louisville, Kentucky

Program Committee:

L. R. Schmidt (Chairman), General Electric Company, Research & Development Center, P.O. Box 8, Schenectady, New York 12301. L. W. Kleiner, Diamond Shamrock Corporation, T. R. Evans Research Center, P.O. Box 348, Painesville, Ohio and symposia chairmen listed below.

Local Arrangements Committee:

C. E. Miller (Chairman), Department of Civil Engineering, University of Louisville, Louisville, Kentucky 40208.

CALL FOR PAPERS

Deadline for Abstracts: July 1, 1981

An abstract of 250 words or less is required NO LATER THAN JULY 1, 1981. Abstracts should be single-spaced, have 1 1/2" margins, and be sent directly to the appropriate symposium chairman whose address is listed below:

Biorheology

C. E. Miller
University of Louisville

Numerical Simulation of Materials Processes

B. Caswell
Division of Engineering
Brown University
Providence, RI 02912

Non-Traditional Experimental Techniques for Determining Viscometric Functions

J. J. Ulbrecht
Dept. of Chemical Engineering
SUNY at Buffalo
Amherst, NY 14260

Novel Polymer Processing Techniques: Solid Phase Processing, Co-Injection, Co-Extrusion

M. R. Kamal (Chairman)
Department of Chemical Engineering
McGill University
Montreal PQ H3A 2A7 CANADA

Rheology of Suspensions & Two-Phase Flows

J. D. Goddard
Department of Chemical Engineering
University of Southern California
University Park, CA 90007

Rheo-Optics

D. G. LeGrand
General Electric Company
Research & Development Center
P.O. Box 8
Schenectady, NY 12301

General Papers Sessions

H. H. Winter
Dept. of Chemical Engineering
University of Massachusetts
Amherst, MA 01003

1981 BINGHAM AWARD

Fall 1981 Bingham Award Committee Chairman is Robert S. Moore, Research Laboratory, Bldg. 81, Eastman Kodak Company, Rochester, NY 14650. Nominations should be sent to him before March 15, 1981. Supporting documents should accompany the nominations.

Other committee members are: L. V. McIntire, D. C. Bogue, C. I. Chung, A. B. Metzner, and N. Nakajima.

ANNOUNCEMENTS

RHEOLOGY BULLETIN
Raymond R. Myers, Editor
Department of Chemistry
Kent State University
Kent, Ohio 44242

The Rheology & Coatings Laboratory at Kent State University will present three short courses for specialists in coatings and polymers during May and June, 1981. They are:

"Dispersion of Pigments & Resins in Fluid Media," May 18-22, 1981;

"Adhesion Principles & Practice for Coatings & Polymer Scientists," June 8-12, 1981;

"Applied Rheology for Industrial Chemists," June 15-19, 1981.

Contact Carl J. Knauss, Dept. of Chemistry, Kent State University, Kent, OH 44242.

A film on Non-Newtonian Fluids discussing behaviour under six main headings:

- 1) Viscoelasticity
- 2) Non-Newtonian viscosity
- 3) Normal stress effects
- 4) Extensional viscosity
- 5) Time dependent effects
- 6) Miscellaneous

may be purchased by contacting Dr. J. M. Broadbent, Dept. of Applied Mathematics, University College of Wales, Aberystwyth, U.K.

A.I.P. 50th Anniversary calendar is available for \$1.50. Send check (made payable to AAPT) to: AAPT Publications Department, Graduate Physics Building, S.U.N.Y., Stony Brook, NY 11794.

GRADUATE PROGRAMS IN RHEOLOGY

The American Institute of Physics publishes an annual report on Research Specialties of Doctoral Programs in Physics, Astronomy & Related Fields. In its publication on Graduate Programs, Rheology and Fluids is listed. Please send suggestions of university departments which should be listed as having graduate programs in rheology and include the name and address of a person to contact. Send this listing to Irvin M. Krieger, Dept. of Chemistry, Case Western Reserve University, Cleveland, OH 44106.

Application for Membership in the SOCIETY OF RHEOLOGY

I hereby desire to apply for membership in THE SOCIETY OF RHEOLOGY dating from
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Soils
Synthetic Polymers
Fluids (Including Solutions)
Solids
Suspension and Particulate Systems
Engineering
Experimental Techniques
Mechanics
Phenomenology
All of the above
None of the above

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