

RHEOLOGY BULLETIN

Publication of The Society of Rheology, Inc.

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1972 AND 1973 ANNUAL MEETINGS

Because the International Congress on Rheology is expected to draw a large attendance and to include many papers which normally would have been presented before the annual meeting of the Society, the Society will not hold another meeting within the U.S. in 1972. Thus the winter meeting on the West Coast as well as annually meeting in October 1972 have been combined and one annual meeting will be held early in February 1973 at the University of Cincinnati. Professors Richard Chartoss and Alvin Strauss will be the co-chairmen of the local committee.

The regular annual meeting of 1973 will be held as reported in October 1973 in Montreal with Dr. H. Schreiber as the local committee chairman. Notices concerning the programs of the meetings in Cincinnati and Montreal will appear in the next bulletin.

APPOINTMENTS

Membership Committee: Glenn E. Fulmer (Chairman), W. R. Grace & Company, Clarksville, Maryland 21029. A Co-chairman will be nominated.

Bingham Award Committee: 1972 Prof J. L. Ericksen, Mechanics Department, John Hawkins, Baltimore, Maryland; Prof. Robert A. Stratton, Chairman, Institute of Papers Chemistry, Appleton, Wisconsin; Prof. A. N. Gent, Institute of Polymer Science, University of Akron, Akron, Ohio; Dr. R. A. Mendelson, 7450 Belfort Street Houston, Texas; Dr. Duane Marsh, Union Carbide Plastic Company, Bound Brook, New Jersey; Prof. W. R. Schowalter, Chemical Engineering Laboratory, Princeton University, Princeton, New Jersey.

Nominating Committee, 1972: T. L. Smith (Chairman), IBM Research Laboratory, Monterey and Cottle Roads, San Jose, California 95114; J. R. Knox, and L. J. Zapas.

Short Course Committee: M. H. Birnboim (Chairman), Mechanics Department, Rensselaer Polytechnic Institute, Troy, New York 12181; E. A. Collins, and L. J. White.

Nomenclature Committee: F. R. Eirich (Chairman), Polytechnic Institute of Brooklyn, 333 Jay Street, Brooklyn, New York 11201; R. B. Bird, R. Dickie, A. B. Metzner, R. R. Myers, and C. L. Sieglaff.

Rheological Research Survey: E. A. Collins (Chairman), Chemical Development Center, B. F. Goodrich Company, P.O. Box 122, Avon Lake, Ohio 44012.

Delegate to the International Committee on Rheology: R. S. Marvin, Rheology Section, National Bureau of Standards, Washington, D. C. 20234.

Member of AIP's Committee on Physics and Society (COMPAS): J. T. Bergen, Research and Development Center, Armstrong Cork Company, Lancaster, Pennsylvania 17604.

Chartered Flights for Sixth International Congress of Rheology, Lyons, September 4-9, 1972: R. E. Coulehan, Geigy Chemical Corporation, Saw Mill River Road, Ardsley, New York 10502.

The local committee chairmen for the meeting in Cincinnati are Prof. Richard Chartoss and Prof. Alvin Strauss.

The local arrangement committee chairman for the Montreal meeting is Dr. Scheiber. The co-chairmen are Dr. J. P. Carreau, A. Isenburg, M. R. Kamal.

NEWLY ELECTED OFFICERS

President: F. R. Eirich, Polytechnic Institute of Brooklyn

Vice President: R. S. Rivlin, Lehigh University

Editor: R. R. Myers, Kent State University

Secretary: J. C. Miller, Union Carbide Corporation

Treasurer: E. A. Collins, B. F. Goodrich Chemical Co.

Executive Committee at Large:

A. N. Gent, University of Akron

W. W. Graessley, Northwestern University

H. Markovitz, Carnegie-Mellon University

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Department of Chemistry
Kent State University
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charter to send their deposit for their reservation as soon as possible. If there are any specific questions or requests please feel free to write.

ROBERT E. COULEHAN
13 Allen Street
Dobbs Ferry, New York 10522

SIXTH CONGRESS CHARTER FLIGHT

The contract has been signed with Pan American World Airways, Inc. for the charter flight to the Sixth Congress on Rheology. The flight will originate from John F. Kennedy Airport in New York on Saturday, September 2, 1972. This will be an evening departure. The flight will go directly to Lyon, France arriving early Sunday morning. The return flight will originate in London on Saturday, September 23, 1972.

Pan American will provide first class service. There will be a choice of main course dishes, an open bar, in-flight movies and musical entertainment and a group picture. The flight is open to all members of the Society of Rheology and their families. The deadline for membership is March 2, 1972 so please pay your dues if you haven't already. The cost of the flight is listed at \$180. A deposit of \$100 will hold a reservation. The reservations are on a first come first serve basis.

There have been a few news items recently concerning air fares after February 1972. It seems likely that there will be some reductions in the current transatlantic air fares. However, it is not expected to be as much as conjectured in some reports. It will certainly not compare with our fare particularly at a time of year when the passenger density will be high. The 1972 Summer Olympic Games will be held in Munich, Germany August 26 thru September 9. This means that those attending the Sixth Congress on Rheology will find Europe quite crowded during and after the Congress. It will be important for members to have both plane and hotel reservations well in advance of the meeting. While we have a number of reservations, we are also quite aware of current economic situation and the difficulties that it presents. We hope that by offering this charter flight more members will be given a chance to attend another outstanding Congress on Rheology.

Now about refunds. There may be a few who for personal reasons may have to cancel after they have made reservations. We have always treated each case individually. Up to the first of June there will be no charge for cancellations. I encourage all who plan to attend the Congress and wish to take advantage of the

MEMBERSHIP

Anyone knowing a person or organization wishing to become a sustaining member of the Society, please contact the Membership Chairman.

The Membership Committee is being enlarged. Anyone wishing to join the Membership Committee should contact Glenn E. Fulmer (Chairman), W. R. Grace & Co., Clarksville, Maryland 21029. A co-chairman will be nominated.

INTERNATIONAL NOTES

The Group of Rheology of the Czechoslovak Chemical Society has recently been admitted to membership on the International Committee on Rheology. The Committee now includes organized groups of rheologists from ten countries. In addition to Czechoslovakia these are Australia, Austria, France, Germany, Japan, The Netherlands, Sweden, United Kingdom, and the United States of America.

The Czechoslovakian rheologists expect to hold a conference on September 11-14 (after the 6th Congress) in Prague covering general principles of rheology. This conference will be an interdisciplinary discussion of flow, viscoelasticity, plasticity and fracture, with emphasis on theoretical aspects.

AMERICAN INSTITUTE OF PHYSICS INCORPORATED
for
SOCIETY OF RHEOLOGY

Statements of Receipts and Disbursements
Nine Months Ended September 30, 1971

Balance in Account — January 1, 1971		\$16,105.83
RECEIPTS (January 1 — September 30, 1971)		
Dues Collections:	\$ 20.00	
1970 Dues	<u>2,248.31</u>	2,268.31
1971 Dues		
Miscellaneous Income:		
Interest Income on U.S. Government Bond*	\$ 30.00	
Income from Annual Meeting at Princeton	865.00	
One Day Course	<u>1,312.50</u>	2,207.50
Transactions of the Society of Rheology— <i>Schedule A</i>		<u>2,526.00</u>
Total Receipts		<u>\$23,107.64</u>
DISBURSEMENTS (January 1 — September 30, 1971)		
Charge for Dues Billing and Collection	\$ 341.52	
Charge for Preparation and Maintenance of Member Record File	597.11	
Financial Handling Charge — 1971 (Nine Months)	79.09	
Member Society Dues — 1971 (Nine Months)	591.75	
Winter Meeting	117.83	
Editorial Expenses:		
Secretary Telephone and Postage	991.31	
APS Special Report on Manpower	130.78	
Ballot Mailing and Associated Costs	104.81	
S of R Transactions — Mailing Expense	1,244.84	
Spring Bulletin	178.28	
Sixth International Congress Mailing	78.02	
Fall Bulletin	348.90	
Fall Meeting	139.10	
Miscellaneous	152.35	
Total Disbursements		5,095.69
Balance in Account, September 30, 1971		<u>\$18,011.95</u>

* Bingham Fund: \$1,000.00 U.S. Government Bond (Reinvested) 6%—Due May 15, 1975.

SCHEDULE A
TRANSACTIONS OF THE SOCIETY OF RHEOLOGY

Statement of Income and Expense
Nine Months Ended September 30, 1971

INCOME		
Publication Charges		\$2,745.00
Reprint Sales		<u>815.88</u>
Total Income		\$3,560.88
EXPENSE		
Publishing Expense	\$ -	
Printing Reprints (Wiley)	820.88	
Order Handling Charge	<u>214.00</u>	
Total Expense		<u>\$1,034.88</u>
Net Income or (Expense)		<u>\$2,526.00</u>

13th INTERNATIONAL CONGRESS OF THEORETICAL AND APPLIED MECHANICS

The 13th Congress will be held at Moscow, U.S.S.R., 21-26 August 1972. The meetings and lectures will take place at Moscow State University. Accommodation for participants will be available in hotels in the city, and a limited number of participants can be accommodated in the hotels of the University. Write the General Secretary of the Organizing Committee at the following address: Professor G. K. Mikhailov, Leningradskii Prospekt 7, Moscow A-40, U.S.S.R.

The 13th Congress will encompass the entire field of the science of analytical, solid and fluid mechanics, including applications. Computational methods as such will not be included.

Approximately 50 of the papers contributed by residents of the United States will be accepted. *Each contributor of a paper from the U.S.A. should send 5*

copies of a summary of 500 words to reach Professor G. F. Carrier, Pierce Hall, Harvard University, Cambridge, Mass. 02138, before March 15, 1972.

EMPLOYMENT OF RHEOLOGISTS

How serious is the employment situation in rheology? Some of us went to the fall meeting of the Society with the glowing feeling that we could still place all of the capable rheologists that we could produce, and we came away with the impression that even our specialty is beginning to feel the crunch.

We are not likely to get hard data from a volunteer poll, but if you would mail a post card to your editor stating your concept of the supply-and-demand situation, we will publish your replies in the next bulletin. Other member societies of the AIP have been somewhat effective in placing members and this poll could give us a start in that direction.

Application for Membership in the SOCIETY OF RHEOLOGY

I hereby desire to apply for membership in the SOCIETY OF RHEOLOGY dating from
January 19.....

Name
(Include Title, e.g., Mr., Dr., Prof., Miss, etc.) Please print.

Mail Address

Mail Address

Professional Connection

Position

Chief Interest

Highest Academic Degree

Date

Enclose Remittance of \$10 for Regular Annual Dues or \$100 for Sustaining Annual Dues
and Mail to:

SOCIETY OF RHEOLOGY
American Institute of Physics
335 East 45 Street
New York, New York 10017