

RHEOLOGY BULLETIN

Published by The Society of Rheology

Vol. 61 No. 2



July 1992

THE SOCIETY OF RHEOLOGY
EXECUTIVE COMMITTEE - 1991-93

64th ANNUAL MEETING
SANTA BARBARA, CA
FEBRUARY 7-11, 1993

President Joe D. Goddard
Vice President Robert C. Armstrong
Secretary Andrew M. Kraynik
Treasurer Edward A. Collins
Editor Arthur B. Metzner
Past President Robert A. Mendelson
Members-at-Large Ronald G. Larson
Dale S. Pearson

The annual meeting of The Society of Rheology will be held in Santa Barbara, CA. The meeting organizers are:

Technical Program Chairman:

L. Gary Leal
Department of Chemical and Nuclear Engineering
University of California
Santa Barbara, CA 93106
(805) 893-3200, Fax: (805) 893-4731
Email: bonnie@squid.ucsb.edu

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Local Arrangements Chairman:

Dale S. Pearson
Department of Chemical and Nuclear Engineering
University of California
Santa Barbara, CA 93106
(805) 893-8269, Fax: (805) 893-4731
Email: dspear@squid.ucsb.edu

Santa Barbara is located in southern California about 100 miles north and west of Los Angeles. It is part of a small community of 150,000 people consisting of Montecito, Santa Barbara, and Goleta. In addition to being the home of one of the University of California's nine campuses, it is a popular vacation destination in both summer and winter. Santa Barbara is often called the American Riviera because of the similarities in geology, architecture, and climate to its French and Italian counterparts. It can be cool (and even wet) during the month of February with a mean temperature of 59° and an average high and low of 71° and 46°.

The meeting will be held at the Sheraton Santa Barbara which is across the street from East Beach. A block of rooms will be reserved here and arrangements have also been made for lodging at nearby hotels and bed and breakfasts.

Santa Barbara has many attractions including walking tours that pass examples of Spanish-Moorish architecture, visiting the Art and Natural History museums, shopping in unique stores, boating or sailing in the harbor (February is a prime

Nominations for the 1993 Bingham Medal

Nominations for the 1993 Bingham Medal are due on **January 15, 1993**, and should be sent to the next chairman of the Bingham Award Committee:

Prof. Stuart L. Cooper
Chemical Engineering Department
University of Wisconsin
1415 Johnson Drive
Madison, WI 53706
(608) 262-1092 Fax: (608) 262-5434

RHEOLOGY BULLETIN
Andrew M. Kraynik, Editor
Department 1512
Sandia National Laboratories
Albuquerque, New Mexico 87185
(505) 844-9696 (Editor)
(505) 844-9132 (Secretary)
Fax: (505) 844-4523

whale migration period), hiking in the nearby mountains, and touring county vineyards and wineries.

There will be a welcoming reception on Sunday evening at the Sheraton, a Monday night reception across the street at the Cabrillo Arts Center, and the Bingham Banquet on Tuesday. Tours of local attractions are being arranged for participants and guests.

Santa Barbara can be reached by regularly scheduled air service. However, considerable savings are sometimes possible by landing in Los Angeles and then renting a car or taking the Santa Barbara Airbus (805-964-7759), which stops at the Sheraton.

TECHNICAL PROGRAM FOR SANTA BARBARA

Authors wishing to present a paper in Santa Barbara must submit a camera-ready abstract on the enclosed form to the Technical Program Chairman, Gary Leal, before September 15, 1992. A copy of the abstract should also be sent to the appropriate symposium organizer. The planned symposia and their organizers follow.

POLYMER RHEOLOGY: Theory and experiment for polymer melt and solution rheology.

Dr. Ronald G. Larson
AT&T Bell Laboratories
600 Mountain Avenue
Murray Hill, NJ 07974
(908) 582-6158
Fax: (908) 582-5570

RHEOLOGY IN POLYMER PROCESSING: Applications of rheology to the processing of polymer solutions and melts in the liquid and solid states.

Professor Morton M. Denn
Department of Chemical Engineering
University of California
Berkeley, CA 94720
(510) 642-0176
Fax: (510) 642-4778

COMPLEX FLUIDS FROM MICELLES TO PARTICULATES: Multicomponent and multiphase systems for which the rheology depends on the complex interplay among physical chemical and mechanical forces.

Professor William B. Russel
Department of Chemical Engineering
Princeton University
Princeton, NJ 08544-5263
(609) 258-4581
Fax: (609) 258-0211

EXPERIMENTAL METHODS IN RHEOLOGY: Electrical, mechanical, and optical techniques for investigating flow behavior and for measuring continuum and molecular properties.

Professor David F. James
Department of Mechanical Engineering
University of Toronto
5 King's College Road
Toronto, Ontario M5S 1A4 Canada
(416) 978-3049
Fax: (406) 978-7753

NON-NEWTONIAN FLUID MECHANICS: Experimental, theoretical, and computer studies of non-Newtonian effects on complex flows and their stability.

Professor L. Gary Leal
Department of Chemical and Nuclear Engineering
University of California
Santa Barbara, CA 93106
(805) 893-8510
Fax: 893-4731

Professor Robert Brown
Department of Chemical Engineering
Massachusetts Institute of Technology
Cambridge, MA 02139
(617) 253-5726
Fax: (617) 253-9695

GENERAL PAPERS: All aspects of experimental and theoretical rheology not explicitly covered by the other symposia.

Professor Eric Matthys
Department of Mechanical Engineering
University of California
Santa Barbara, CA 93106
(805) 893-2919
Fax: (805) 893-8651

THE SOCIETY OF RHEOLOGY

FINANCIAL STATEMENT AS OF JULY 1992

REVENUES	1990 Budget	1990 Actual	1991 Budget	1991 Actual	1992 Budget
Dues	46,000	43,623	46,000	45,001	46,000
Interest	4,000	20,329	14,000	19,978	19,000
Journal of Rheology	21,200	206,166	1,000	204,831	217,830
Mailing List Sales		492		537	350
Annual Meetings		7,182	8,000	30,758	
Short Courses		2,950		5,925	
TOTAL REVENUE	71,200	280,731	69,000	307,030	283,180
EXPENSES					
Wiley and Wiley Editorial		45,397			
AIP Administrative Services	6,000	6,000	7,000	6,000	6,000
AIP Billing	3,300	481	5,400	380	800
AIP Member Records	3,600	6,269	3,600	7,495	7,500
AIP Member Society Dues	2,400	2,054	2,400	2,122	2,400
AIP Financial Handling	1,000	3,300	3,000	3,940	3,000
AIP Physics Olympiad	500	500	1,000	1,000	1,000
Renewal Billing		890		1,889	
Journal of Rheology	31,000	138,517		176,682	197,380
Bulletins and Abstracts	4,000	8,718	5,000	8,815	5,000
Short Courses		2,453		2,703	
Bingham Award	1,000	538	3,000		3,000
Executive Committee Meetings	1,000	1,462	2,000	2,737	2,500
President's Discretionary Fund	1,000	468	1,500	1,145	1,000
Treasurers Discretionary Fund	1,000	670	1,500	744	1,000
Program Chairman's Discretionary Fund			2,000		
Secretarial Services	1,000		1,000	750	1,000
Mailing		2,773	2,000	1,854	2,500
Office Expenses	9,000	1,117	5,000	615	1,500
Banking Services		45		78	50
Liability Insurance	150	146	150	146	150
Council of Scientific Society Presidents	150	100	150	250	250
Membership Directory				719	2,500
Membership Brochure		526		184	500
Accountant			1,000	1,820	1000
TOTAL EXPENSES	66,100	222,424	46,700	222,068	240,030
NET INCOME (LOSS)	5,100	58,307	22,300	84,962	43,150
TOTAL ASSETS AT YEAR END		310,769		393,775	

Dr. Edward A. Collins
Treasurer
July 7, 1992

Rheology Short Course

A two-day short course on surface force measurements and rheology in confined spaces will be given by Professor Jacob Israelachvili of the Department of Chemical and Nuclear Engineering at UCSB. The course is scheduled to begin on Saturday, February 6. For information contact the chairman of the Education Committee, Peter Clark, at (205) 348-1682.

Instrument Exhibit

Several companies will exhibit rheological instrumentation during the annual meeting in Santa Barbara.

Registration and housing forms, abstracts, a short-course announcement, and other information concerning the Santa Barbara Meeting will be mailed by November, 1992.

EXECUTIVE COMMITTEE MEETING April 12, 1992

The Executive Committee Meeting was called to order at 9:00 a.m. at the Hyatt Regency in Bethesda, MD.

Executive Committee Members present included: Joe Goddard, Bob Armstrong, Ed Collins, Art Metzner, Bob Mendelson, Ron Larson, and Andy Kraynik. Kurt Wissbrun and Bruce Hartmann also attended.

The minutes of the October 20, 1991 Executive Committee Meeting, which appeared in the January 1992 Rheology Bulletin, were approved as read.

Ed Collins, Treasurer, reported a balance of \$393,775 as of December 31, 1991. Collins also indicated that the AIP Treasurer has modified accounting procedures relating to year-end variance. This will simplify duties such as federal income tax reporting.

Gary Leal and Dale Pearson reported by letter on plans for the technical program and local arrangements for the annual meeting in Santa Barbara in February 1993. The regular annual meeting for 1993 will be held in Boston with Bob Armstrong serving as local arrangements chairman and Bill Russel serving as technical program chairman. Antony Beris and Norm Wagner will host the 1994 annual meeting in Philadelphia. In 1995, the annual meeting will be held in Sacramento with Bob Powell coordinating local arrangements. Joe Goddard discussed the proposal that he submitted to host the XIIth International Congress on Rheology in La Jolla, CA in 1996. The committee denied a request to sponsor a NATO meeting on non-Newtonian fluid mechanics and expressed the opinion that it is not our policy to endorse technical meetings in which we are not actively involved. We also decided not to pursue a request from the AIChE to consider holding joint meetings because significant differences in meeting size and cost would impact the character of our meetings.

The Executive Committee decided not to renew our membership on the Council of Scientific Society Presidents. We agreed to contribute \$500 to support the AIP

Congressional Fellowship Program and to continue supporting the International Physics Olympiad.

Joe Goddard discussed the IRS status of the Society with legal council and determined that our tax-exempt status should not change as a result of income related to journal publication. We do not believe that it is necessary to seek additional guidance on this subject.

Bob Mendelson agreed to submit a proposal on corporate associates and sustaining members at the next executive committee meeting.

Kurt Wissbrun, Assistant to the Editor, reported on subscription and finance issues relating to the Journal of Rheology. As of March 31, 1992, there were 533 non-member subscriptions to the journal. This is down from 588 subscriptions at the end of 1991, however some additional renewals are expected before the end of 1992.

Art Metzner, Editor, provided a status report on the Journal of Rheology. We voted to increase the non-member subscription fee for the journal from \$320 to \$350 in 1993. We also voted to change the page size of the journal to 10 by 6.75 inches, retain the one-column format, and publish 6 issues per year. These changes will reduce publication costs but not affect the amount of technical information published annually. The committee also authorized \$1500 to market the journal at the International Congress on Rheology in Brussels. The meeting was adjourned at 5:15 p.m.

MEETING ANNOUNCEMENTS

November 28-December 3, 1993: Symposium on "Developments in Non-Newtonian Fluid Mechanics," ASME Winter Annual Meeting, New Orleans, LA.
Contact : Prof. William E. VanArsdale, Dept. Mechanical Eng, U. Houston, TX 77204-4792, (713) 743-4525, Fax: (713) 743-4503, Email: wev@menudo.uh.edu.

October 5-9, 1992: Applied Rheology Course at Warren Spring Laboratory, UK. Contact: Mrs. Susan Gartside, Warren Spring Laboratory, Gunnels Wood Road, Stevenage SG1 2BX, 0438 741122 ext. 2366, Fax: 0438 360858.

February 21-26, 1993: Student Scholarships to attend the 1993 Adhesion Society meeting in Williamsburg, VA.
Contact (before Oct. 1, 1992): Prof. F. J. Boerio, Dept. Materials Science and Eng (ML 12), U. Cincinnati, OH 45221, (513) 556-3111, Fax: (513) 556-2569.

October 17-21, 1993: 65th Annual Meeting of The Society of Rheology, Palmer House, Boston, MA.

CHANGE OF ADDRESS

If you are moving, be sure to inform: Ms. Margaret Wiley
American Institute of Physics, 335 East 45th Street,
New York, NY 10017

Application for Membership in THE SOCIETY OF RHEOLOGY

I wish to apply for membership in THE SOCIETY OF RHEOLOGY dating from January 19 _____

Name _____
(Please print)

Mail Address _____

Telephone Number _____

E Mail Number _____

Fax Number _____

Please indicate in the boxes provided below the code letter from the list at right, which best describes your areas of interest in order of decreasing importance.

- PRIMARY
- SECONDARY
- TERTIARY

INTEREST AREA	CODE
Biorheology	A
Experimental methods	B
Foods	C
Inks, Paints, Coatings	D
Materials Science	E
Petroleum Production	F
Plastics Processing	G
Polymer Dilute Solutions	H
Polymer Melts and Conc. Solns.	I
Rational Mechanics	J
Rubbers and Elastomers	K
Solid Polymers	L
Suspensions	M
Theory of Viscoelasticity	N
Electrorheology	P
Composite Materials	Q
Other _____	O

Professional Affiliation

- Academic
- Industrial
- National Laboratory
- Other

I understand that my regular member's subscription to the **Journal of Rheology** is for my personal use, and not for library use.

(Signature) _____ (Date)

Enclose remittance of \$40 for Regular Annual Dues (\$25 for Student and Retired Members) and mail to:

THE SOCIETY OF RHEOLOGY
c/o American Institute of Physics
335 East 45th Street
New York, NY 10017

Complete if paying by credit card <input type="checkbox"/> AMERICAN EXPRESS <input type="checkbox"/> VISA <input type="checkbox"/> MASTER CARD	CREDIT CARD NUMBER	EXP. DATE	SIGNATURE
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