

RHEOLOGY BULLETIN

Publication of the Society of Rheology

Volume 28, No. 1

Spring, 1959

SOCIETY NOMINEES

The Nominating Committee (Prof. Bryce Maxwell, Chairman, and Drs. J. W. Ballou and R. R. Myers) has presented the following list of nominees for the coming year:

President — J. H. Elliott

Vice-President — J. D. Ferry

Editor — E. H. Lee

Secretary-Treasurer — W. R. Willets

Members-at-Large of Executive Committee — J. P. Tordella, R. S. Marvin, J. T. Bergen

The committee has acted in accordance with Article V, Section 1 of the Constitution, and this advance publication is made in accordance with Section 2 of that Article.

This section also provides that "at any time prior to June 15, additional nominees may be made by petition forwarded to the Secretary-Treasurer* and signed by at least fifteen members of the Society in good standing."

The election will be held by letter ballot mailed prior to August 1 and all ballots to be eligible must be post-marked not later than October 1. Such ballots will provide space for "write-in" candidates.

* W. R. Willets, Titanium Pigment Corp., 99 Hudson Street, New York 13, N.Y.

THIRTIETH ANNIVERSARY MEETING

Organization plans are progressing for the Annual Meeting this fall, which marks the thirtieth anniversary of the founding of the Society. The meeting will be at Lehigh University on November 4-6 (Wednesday-Friday). Chairman of local arrangements and publicity will be Raymond R. Myers, Research Associate Professor in the Chemistry Department, Lehigh University, Bethlehem, Pa. Also serving as members of his committee will be Charles Moravec, Director of Public Information at Lehigh University, and Raymond D. Hoffman of the Lehigh Chemistry Department.

Chairman of the Program Committee will be James T. Bergen, Research Laboratories, Armstrong Cork Company, Lancaster, Pa. Those wishing to present papers at the meeting this fall should notify the program chairman as soon as possible. Abstracts will be

required at a later date, to be announced in the Summer issue of the Bulletin. A special Adhesion Symposium is being organized by R. R. Myers, and those desiring to participate in this symposium should correspond directly with Dr. Myers. There has also been some consideration of including a small special group of papers on rheology fundamentals, for the particular benefit of those new to the field.

A banquet will be held on the second evening of the meeting, and a cocktail party is also planned, probably on another evening. A block of rooms is being reserved at the Hotel Bethlehem, and special bus service will be provided between the hotel and the Lehigh campus.

There will be an opportunity to visit some of the Lehigh laboratories. A ladies' program is also being planned for the full three days. Items of historical, fashionable and musical interest are on the schedule.

Since this is an anniversary meeting, the Society is desirous that as many as possible of the early and founding members of the Society should attend this meeting. Plans are also being made for the invitation of other special guests.

SOCIETY OF RHEOLOGY INTERIM REPORT OF SECRETARY-TREASURER ANNUAL MEETING NOV. 5-7, 1958

1. FINANCIAL STATEMENT

The tentative [now final—Ed.] financial statement is appended. We were very fortunate in receiving a windfall of \$500 for the sale of old copies of the Journal of Rheology which after all expenses of packing and shipping netted us \$439.47. This represents a one-time proposition and it is doubtful if the Society can expect anything similar in the future.

The estimated disbursements for 1958 were \$2800 and to date we have spent only slightly over \$1000. It must be remembered that this figure includes only one issue of the Bulletin and does not account for the Transactions which have not yet been published. For this reason it is likely that the actual disbursements for 1958 will exceed the original estimate made at the Annual Meeting in 1957 by at least ten per cent.

RHEOLOGY BULLETIN

R. D. Andrews, Jr., Editor

Plastics Research Laboratory

Room 7-006, M.I.T.

Cambridge 39, Mass.

Receipts for 1959 should exceed those for past years because of the increase in dues and a larger membership. Needless to say, expenditures will also increase because of continually increasing costs of printing, mailing and all-around services. Therefore the estimated 1959 Budget (appended) indicates that at the end of 1959, the cash balance will not be greatly increased over that shown for the end of 1958.

2. MEMBERSHIP

Membership has increased by well over 10% as shown by the report made by the Chairman of the Membership Committee, Dr. John C. Miller. Several delinquent members were reinstated on payment of dues, largely as a result of a careful follow-up of the "dropped list" by Dr. Miller.

A Society Roster was prepared by the staff of the American Institute of Physics and distributed (as part of a large mailing) in August.

As customary, all membership applications received after September 1 have been applied to the following year (1959). This has created several embarrassing situations where new members have remitted their dues under the old rate of \$4 rather than the new rate of \$6 but we hope any misunderstanding can be resolved. In such cases the check for the lower rate has been returned with an explanatory letter and a request for the higher amount. The increase in dues probably has not resulted in much loss in membership as the resignation turnover is apparently similar to other years.

3. PUBLICATIONS

Two issues of the Bulletin have been published. Work on the Transactions is under way and Volume 2 for 1958 (Volume 1 was published in the summer of 1957) will be issued as soon as possible and sent to all members in good standing in 1958.

4. CONSTITUTION AND BY-LAWS

The Constitution and By-Laws were revised by a large majority letter ballot tallied August 1, 1958. The revision was sent to all members in good standing as part of the large mailing in August already noted. The covering letter also gave the results of the letter ballot in detail.

4. ANNUAL MEETING FOR 1958

Plans for the annual meeting were handled by Dr. Raymond R. Myers as Chairman of the Program Committee, and Mr. Edmund Thelen as Chairman of the Publicity Committee. The first proposed list of

titles was distributed in August in the mailing noted above, a further detailed program and advance registration cards on October 1, 1958 and the Bulletin with the abstracts of the papers on October 24, 1958. Such rather large mailings have been possible only through the cooperation of all concerned. The promptness in handling material by the staff of the American Institute of Physics has made it possible to get details to our membership prior to the Meeting in spite of unforeseen difficulties.

5. EXECUTIVE COMMITTEE

The executive committee was able to handle matters by correspondence and long distance telephone, so the only meeting held was on November 5, 1958 at the Franklin Institute on the first day of the Annual Meeting.

6. RELATIONS WITH A.I.P.

As in the past our accounts and all monies received and disbursed are being handled by A.I.P. In addition they have handled all our mailings, the preparation of the Roster, printing for the letter ballots and revisions of the Constitution and By-Laws as well as a complete re-printing of the revision, meeting publicity, printing, etc.

As proxies of the Society, Messrs. Dillon and Willets attended the Annual Meeting of A.I.P. at Headquarters, February 26, 1958. Dr. Dillon, as a member of the Governing Board of A.I.P., regularly attends meetings of the Board. Mr. Willets on June 4, 1958, attended a meeting of the A.I.P. Committee of Member Society Secretaries and Treasurers. This Committee approved the dues billing sent out by A.I.P. early in October, and was advised of the manifold activities and services of the Institute.

7. CORRESPONDENCE

All correspondence, notices and membership applications have been handled as promptly as possible but this has been difficult because of the increased load which resulted from a number of factors, including the International Meeting in Germany (which brought many queries), the revision of the Constitution and By-Laws, changes in dues, etc.

8. ACKNOWLEDGEMENTS

The Secretary-Treasurer again takes this opportunity to express to the other officers and committee chairmen, to many individual Society members, and especially to the patient and cooperative staff of the American Institute of Physics, his sincere thanks and appreciation. The past year has been an exceedingly difficult and crucial one and without the understanding assistance of others, the task of the Secretary-Treasurer would have been beyond the bounds and ability of the present incumbent.

Respectfully submitted at the Annual Business Meeting of the Society, at the Franklin Institute, Philadelphia, Pa.
November 6, 1958

William R. Willets
Secretary-Treasurer

**SOCIETY OF RHEOLOGY
MINUTES OF 1958 BUSINESS MEETING
FRANKLIN INSTITUTE
PHILADELPHIA, PA.
November 6, 1958**

1. The meeting was called to order by President Dillon at 4:35 p.m.

2. The Minutes of the last business meeting held on November 8, 1957 at the Textile Research Institute, Princeton, N.J. as published in the Bulletin, Volume 27, No. 1, Spring 1958 were approved.

3. President Dillon expressed the thanks of the Society to the Franklin Institute and especially to Mr. Edmund Thelen who handled publicity and local arrangements. The thanks and appreciation of the Society were also expressed to Prof. D. C. Drucker and his Bingham Memorial Award Committee, to Dr. J. C. Miller and his Membership Committee, to Dr. R. R. Myers and his Program Committee, to the staff of the American Institute of Physics for their continued cooperation and assistance throughout the year, to Dr. Elmer Hutchisson, the Director of A.I.P., for his interest as exemplified by his attendance at our Executive Committee the preceding day and to all the officers and executive committee of the Society.

4. At the time of the meeting, 157 had registered (later on the figure rose to over 170).

5. President Dillon noted that the Executive Committee had met the preceding day for over three hours, with all members in attendance. Another meeting is scheduled for January.

6. It was announced that the 1959 Annual Meeting would be held at Lehigh University, Bethlehem, Pa. November 4-6 (Wednesday through Friday). An invitation to hold the meeting at Lehigh University had been extended by Dr. Myers and unanimously accepted with thanks by the Executive Committee.

7. The membership committee reported that as of October 31, 1958 the Society had 465 regular members and 40 sustaining members, as compared to 413 and 36 respectively at the same date in 1957. This shows an increase of about 13% and represents an excellent job by Dr. Miller, the chairman of the Membership Committee and all its members.

8. Dr. Dillon commented on the report made by Dr. Hutchisson, Director of the American Institute of Physics, to our Executive Committee the preceding day. He noted that this report would be published in "Physics Today" and therefore did not take the time to elaborate in detail.

9. It was reported that the Executive Committee had acted favorably on the application of the American Crystallographic Association for associate membership in the American Institute of Physics.

10. The Secretary-Treasurer gave his interim report, estimated expenditures for 1958 and proposed budget for 1959 (published elsewhere in the Bulletin). The financial situation may be summarized briefly as follows:

Estimated cash balance and receipts 1958	\$5888.95
Estimated expenditures 1958	3315.86
Balance on hand January 1, 1959	2573.09
Estimated receipts 1959	3800.00
Estimated expenditures 1959	3300.00
Estimated balance January 1, 1960	3073.09

There were some questions from the floor regarding the payment and distribution of sustaining member dues, and other items. The Secretary-Treasurer pointed out that his interim report of necessity was greatly abridged and invited any interested members to go over the detailed financial statements submitted by the American Institute of Physics to him quarterly.

11. The problem of publications, including the delay in issuing Volume II of the Transactions (containing papers given at the 1957 annual meeting) was fully explained by President Dillon. It was announced that manuscripts for Volume II had been refereed and submitted to Interscience Publishers, Inc. Galley proofs will be sent to the authors in the near future and if promptly returned Volume II should be published early in 1959. Volume III which will contain papers given at the 1958 meeting should be published in the middle of 1959, inasmuch as the difficulties that caused the delay in publishing Volume II have been overcome. Dr. Andrews, the editor, will appoint an assistant to aid him in the future.

12. President Dillon noted that the International Committee contemplated holding the next International Rheology Conference in the United States and pointed out the many problems involved. He called on Dr. Marvin (who attended the 1958 International Conference in West Germany) to elaborate on the matter. Some decision must be reached within the next few months as it will take at least two years to make arrangements.

13. Dr. Knisely asked if anyone knew of a separate "Department of Rheology" at any Institution, noting that he had discussed this with Dr. Scott-Blair in England and had written all secretaries of foreign rheology societies. All replies were in the negative (Russia and Japan not replying). The possibility of establishing such a department, or of an Institute of Rheology, was discussed by several members from the floor, including Drs. Rivlin, Myers, Phillippoff, Myers and Marvin. Present inclusion of rheology under departments of physics, applied mathematics, engineering, etc. was noted. Because of the lateness of the hour and also the question as to whether the subject was strictly germane to a business meeting, President Dillon terminated the active discussion.

14. The meeting adjourned at 5:50 p.m.

Respectfully submitted,
William R. Willets,
Secretary-Treasurer

Nov. 12, 1958

AMERICAN INSTITUTE OF PHYSICS INCORPORATED
for
SOCIETY OF RHEOLOGY

Statement of Account
December 31, 1958

Balance in account, December 31, 1957		\$4,656.09	
Dues, January 1 - December 31, 1958:			
1957	\$ 4.00		
1958	734.64		
1959	2,695.60		
1960	11.00	3,445.24	
Interest on "G" bonds		17.50	
Net from sales of "Rheology Journal" back issues to Walter Johnson		439.47	\$8,558.30
Disbursements, January 1 - December 31, 1958:			
Contribution to A.I.P.		\$ 182.51	
A.I.P. charge for dues collection		309.15	
Membership Committee		75.25	
Rheology Bulletin - Spring, 1958:			
Printing	\$ 63.86		
Envelopes, addressing, stuffing, and postage	37.99	101.85	
Rheology Bulletin - Fall, 1958:			
Envelopes, addressing, stuffing, and postage		55.11	
Amendment to By-laws and Constitution:			
Circularizing members	\$ 43.11		
Typing and photo offsetting	98.11		
Roster of members:			
Vartyping and photo offsetting	212.40		
Envelopes, addressing, stuffing, and postage (By-laws, Constitution, and Roster)	101.36	454.98	
Meeting expenses:			
Announcement - Typing, duplication, mailing, and postage	\$ 64.13		
Badges	45.30		
Banquet tickets, registration cards, and program - printing	56.00		
Expenses at meeting	61.45		
Postage	22.57	249.45	
Engraving Medal		6.43	
Secretary-treasurer's expense		20.00	
Total disbursements		1,454.73	
Balance in account December 31, 1958			\$7,103.57
Bingham Fund:			
U. S. Government Series "G" bonds, 2½% due 12/1/60			\$ 700.00

The above statement does not include the cost of printing the Fall Bulletin or the cost of Volume II of the Transactions which will be dated 1958. These two items will reduce the final balance above by perhaps \$1600.

SOCIETY OF RHEOLOGY
ESTIMATED BUDGET FOR 1959

<i>Receipts</i>			
Cash on Hand - 12/31/58 (Corrected)		\$5,500	
Estimated Dues Collection for 1959		3,800	\$9,300
<i>Disbursements</i>			
Bulletin		\$ 400	
Transactions		1,700	
Membership Committee		100	
AIP Assessment		400	
AIP Service Charge for Dues Collection, etc.		300	
Election (Ballots, mailing, etc.)		100	
Meeting Expenses		100	
Stationery, etc.		100	
Misc. Mailing Charges		50	
Misc. Contingencies		50	\$3,300
Estimated Balance - Dec. 31, 1959			\$6,000