Wednesday Afternoon, October 24, at 2:00

HOTEL SHERMAN, PARLORS M AND O

SYMPOSIUM ON INDUSTRIAL APPLICATIONS OF RHEOLOGY

6. Applications of Rheology to the Design of Extrusion Equipment. R. M. Wiley, The Dow Chemical Company. (2:00–2:25)
7. The Flow Behavior of Synthetic Lattices. S. H. Maron, Case Institute of Technology. (2:35–3:00)
8. The Rheology of Thin Polymeric Films. R. Buchdahl, Monsanto Chemical Company. (3:10–3:45)
9. Applying Rheology to the Study of Lubricating Greases. N. Marusov, Gulf Research and Development Company. (3:55–4:20)
10. Industrial Rheology in the Plastics Industry. F. A. Carlson, Jr., and F. E. Reese, Monsanto Chemical Company. (4:30–4:55)

Wednesday Afternoon, October 24, at 5:05

HOTEL SHERMAN, PARLORS M AND O

BUSINESS MEETING

Wednesday Evening, October 24, at 8:00

HOTEL SHERMAN, PARLORS M AND O

PRESENTATION OF BINGHAM MEDAL AND SOCIAL EVENING

Friday Morning, October 26, at 9:00

HOTEL SHERMAN, PARLORS M AND O

GENERAL SESSION

11. The Band Viscometer. H. H. Hull, of R. R. Donnelley and Sons. (9:00–9:25)
12. A High Shear Method of Rating Brushability of Paints. W. K. Asbeck, D. D. Laiderman, and M. Van Loo, Sherwin Williams. (9:35–10:00)
13. Residual Stresses and Strains in Molded Plastics. W. H. Markwood, Jr., and H. M. Spurlin, Hercules Powder Co. (10:10–10:35)
14. Flow Characteristics of Dilute Solutions of Rigid Rod-Like Molecules. J. H. Wakelin, Textile Research Institute. (10:45–11:10)
15. Implications of Philippoff Flow Curves for the Determination of Intrinsic Viscosity of High Polymer Nitrocellulose. C. M. Conrad and Hilda M. Ziifle, Southern Regional Research Laboratory. (11:20–11:45)

Friday Afternoon, October 26, at 2:00

HOTEL SHERMAN, PARLORS M AND O

GENERAL SESSION

16. Flow of Polystyrene Through Rectangular Channels. C. E. Beyer and F. E. Towsley, Dow Chemical Company. (2:00–2:25)
17. High Shear-Rate Rotational Viscometer. E. M. Barber, J. R. Muenger and F. J. Villforth, Jr., The Texas Company. (2:35–3:00)
18. On the Kinetics of Anomalous Flow. Charles Mack, Imperial Oil Ltd. (3:10–3:35)
19. Rheology of Blood. A. L. Copley, New York University College of Medicine. (3:45–4:10)
20. A Generalized Fluidity Power Law and Laws of Extrusion. M. Mooney and S. A. Black, U. S. Rubber Company. (4:20–4:55)

Saturday Morning, October 27, at 9:00

HOTEL SHERMAN, PARLORS M AND O

GENERAL SESSION

21. Viscosity of Glass. W. Capps, National Bureau of Standards. (9:00–9:25)
22. Viscosity Breakdown as a Function of Shear Temperature in a Rotational Viscometer. R. N. Weltmann and P. W. Kuhns, NACA Lewis Flight Propulsion Laboratory. (9:35–10:10)
23. Rheology of a Lubricating Oil at Temperatures Below the Pour Point. S. P. Jones and J. K. Tyson, Armour Research Foundation. (10:20–10:35)
24. Constant Stress Elongation of Soft Polymers—Time and Temperature Studies. C. A. Dahlquist and Marshall R. Hatfield, Minnesota Mining and Manufacturing Company. (10:45–11:10)
25. Size Determinations of Clay Particles in Water Suspensions by Use of Low-Angle X-ray Diffraction. W. J. West, California Research Corporation. (11:20–11:45)

SYMPOSIUM and BANQUET of the AMERICAN INSTITUTE of PHYSICS

Thursday, October 25

CHICAGO CIVIC OPERA HOUSE

A PROGRAM OF INVITED PAPERS ON PHYSICS TODAY

(**George R. Harrison**, presiding)

Thursday Morning, October 25, at 9:30

The Nucleus. Enrico Fermi, University of Chicago.
The Atom. E. U. Condon, Corning Glass Works.
The Solid State. J. C. Slater, Massachusetts Institute of Technology.

Thursday Afternoon, October 25, at 2:00

Acoustics. Harvey Fletcher, Columbia University.
Optics. Edwin H. Land, Polaroid Corporation.
Physics as Science and Art. K. K. Darrow, Bell Telephone Laboratories.

The JOINT BANQUET of the Member Societies of the American Institute of Physics will be held THURSDAY EVENING, OCTOBER 25, at 7:30 in the Grand Ballroom of the Hotel Sherman. PAUL E. KLOPSTEG will preside. The Banquet will feature ADDRESSES BY KARL T. COMPTON, Chairman of the Corporation, Massachusetts Institute of Technology, AND BY THE HONORABLE BRIEN McMAHON, U. S. Senator from Connecticut.