

POLYMER NEWS**GORDON RESEARCH CONFERENCES**

Polymers: Colby Junior College, New London, New Hampshire.
MURRAY GOODMAN, Chairman; JOHN R. ELLIOTT, Vice Chairman.

- July 3.* CONRAD SCHUERCH. Synthetic Polysaccharides.
PIERO PINO. Optically Active Vinyl and Related Polymers.
(HERBERT N. FRIEDLANDER, discussion leader): JOHN BOOR. Mechanisms of stereopolymerization.
- July 4.* (RICHARD STEIN, discussion leader): ANTON PETERLIN. Studies of Polymer Morphology.
TURNER ALFREY, JR. Some Aspects of Structure and Properties of Network Polymers.
HARRY FRISCH. Topological Isomerisms and Configurational Statistics of Polymer Structures.
- July 5.* (F. A. BOVEY, discussion leader): RAYMOND C. FERGUSON. High Frequency Nuclear Magnetic Resonance Studies of Polymer Structure.
TSUNEO YOSHINO. Anionic Polymerization Mechanisms of Deuterated Acrylates by NMR Characterization.
ROBERT ULLMAN. Nuclear Magnetic Relaxation of Polymer Solutions.
VICTOR KABANOV. On the Mechanisms of Organic and Matrix Polymerizations.
- July 6.* HANSS FISCHER. ESR Spectroscopy of Transient Radicals During Liquid-Phase Polymerization.
N. S. ENIKOLOPOV. Zero Energy of Activation Polymerizations.
J. L. GARDON. The Effects of Slow Termination Rates in Emulsion Polymerization.
- July 7.* (JOHN R. ELLIOTT, discussion leader): M. KRYSZEWSKI. Electrical Properties of Polymers.
HANS COLL. Polymer Characterization by Osmometry with Solute-Permeable Membranes.
R. F. SCHAUFELLE. Characterization of Polymers by Raman Spectroscopy.

Textiles: Colby Junior College, New London, New Hampshire.
HECTOR C. BORGHETTI, Chairman; CHARLES R. WILLIAMS, Vice Chairman.

- July 10-14.* L. REBENFELD. Recent Studies on the Chemical Modification of Cellulose.
C. R. WILLIAMS. A Theoretical Treatment of Warp Sizing.
M. FEUGHELMAN. Longitudinal Stability of Keratin Fibers and Its Relationship to Molecular Structure.

- E. G. BENDIT. Applications of Infrared Absorption Spectroscopy to Investigations of Keratin Structure.
 B. S. SPRAGUE. The Relationship of Critical Fiber Structural Parameters to Fiber Physical Properties.
 I. D. RATTEE. The Degradation of Polyamides by Absorbed Dye and Other Molecular Species.
 R. R. BENERITO. Untangling the Web of Inconsistencies in Theories of Cotton Resiliency.
 H. R. BILLICA. Structure of Man-Made Fibers.
 W. O. STATTON. The Extension of Solid-State Physics to Polymers.
 I. WIZON and J. A. ROBERTSON. Continuous Filament Ceramic Fibers via the Viscose Process.

Chemistry and Physics of Coatings and Films. Tilton School, Tilton, New Hampshire.
 GEORGE BROWN, Chairman; JAMES E. GUILLET, Vice Chairman.

- July 17.* F. W. BILLMEYER. Color Measurement.
 HUGH DAVIDSON. Use of Instruments in Color Formulation.
 L. VALENTINE. Pigment-Media Interactions.
- July 18.* R. M. IKEDA. Orientation Losses in Crystalline Films.
 J. T. CHAMNESS. Adhesion of Coatings to Cellophane.
 P. H. GEIL. Polymer Morphology.
- July 19.* P. L. KRONICK. Glow Discharge Polymerization.
 R. M. FITCH. Particle Formation in Emulsion Polymerization.
- July 20.* J. CAZES. Gel Permeation Chromatography.
 K. L. HOY. Uses of Solubility Parameter.
- July 21.* E. B. BRADFORD. Electron Microscopy in Investigation of Films.

Chemistry and Physics of Paper: Proctor Academy, Andover, New Hampshire.
 VIVIAN T. STANNETT, Chairman; BENGT RÅNBY, Vice Chairman.

- July 24.* E. ADLER. Lignin, Its Structure and Its Reactions in Pulping.
 N. THOMPSON. Recent Work in Hemicellulose Chemistry.
 D. ÅTACK. Fundamentals of Mechanical Pulping.
- July 25.* A. J. STAMM. Water-Cellulosic Material Relationships.
 B. RÅNBY. NMR Studies of Water in Cellulose.
 K. SARKANEN. Recent Work in Wood Chemistry.
- July 26.* G. JACQUELIN and J. F. LAFAYE. Cellulose-Fiber Surface Properties; Streaming Potential and Other Means of Investigation.
 A. A. ROBERTSON. The Sorption of Polymers Onto Cellulose.
 J. W. SWANSON. The Role of Additives in Paper Making.
- July 27.* K. W. BRITT. Fiber to Fiber Bonding in Paper.
 B. LEOPOLD. Remarks on the Role of Single Fiber Properties on Paper Strength.
 J. K. CRAVER. Paper and the Hydrogen Bond.

July 28. KYLE WARD. Improvement of Paper Strength by Hydroxyethylation and Similar Treatments.

Elastomers. Colby Junior College, New London, New Hampshire. B. B. BOONSTRA, Chairman; THOR L. SMITH, Vice Chairman.

July 31. HERMAN MARK. Concepts and Materials for Superior Elastomers.
E. T. BISHOP. Network Characteristics of the Thermoplastic Elastomers.
LEON MARKER. Transition Behavior of Block Copolymers.

August 1. W. S. BAHARY. The Effect of Branching on Intrinsic, Concentrated Solution, and Bulk Viscosities.
A. C. MARTELLOK. The Rheology of Branched Polydimethyl Siloxanes.
R. E. DEBELLIS. Electron Spin Resonance Investigation of Free Radicals in Irradiated Polymers.

August 2. HERMAN WESTLINNING and S. WOLFF. Effect of Fillers on Vulcanization and Molecular Network Formation.
ZVI RIGBI. Theoretical Aspects of Filler Reinforcement.
ALAN N. GENT. Some Special Types of Fracture of Filled and Unfilled Rubbers.

August 3. K. FRENSDORFF. Vulcanization Characteristics of Nordel Hydrocarbon rubber.
F. P. BALDWIN. Vulcanization of Polymers Containing Limited Olefinic Functionality.
HARRY DRUSHEL. Monomer Sequence Distribution in Ethylene-Propylene Copolymers by Computer Analysis of Infrared Spectra.

August 4. ROGER S. PORTER and JULIAN F. JOHNSON. Mechanisms and Variables of Amorphous Polymer Degradation in Laminar Flow Shear and Sonic Wave Irradiation.
N. CALDERON. Elastomers from Cyclo-Olefines.

Science of Adhesion: New Hampton School, New Hampton, New Hampshire.
LOUIS H. SHARPE, Chairman; IRVING SKEJST, Vice Chairman.

August 28. (W. T. M. JOHNSON, discussion leader): G. SALOMON. Horizons in Adhesion Research.
(WILLARD D. BASCOM, discussion leader): S. STERMAN. Functional Silanes and the Glass-Resin Bond.

August 29. (E. G. BOBALEK, discussion leader): TURNER ALFREY. Adhesion of Coatings to Substrate.
(ANTHONY M. SCHWARTZ, discussion leader): SIDNEY ROSS. Mechanisms of Soil Removal.

August 30. (SEYMOUR NEWMAN, discussion leader): A. F. MARTIN. Dynamic Mechanical Properties of Adhesive-Type Polyblends.
(VINCENT GOTT, discussion leader): R. D. FALB, Surface Effects of Foreign Materials on Blood Clotting and Red Cell Damage.

- August 31.* (SHIRO MATSUOKA, discussion leader): JOHN P. TORDELLA. Effect of Thermal History on the Peel Strength of Linear Polyethylene.
(LOUIS H. SHARPE, discussion leader): The conferees. Current Research Presentations (10-15 minutes each).
- September 1.* ROMAULD BULAS. The Phenomenon of Tack: In Printing Inks.
JOHN D. SKEWIS. The Phenomenon of Tack: In Rubbers.
(FRANK H. WETZEL, discussion leader): C. A. DAHLQUIST. The Phenomenon of Tack: In Adhesives.