

GORDON RESEARCH CONFERENCES

These sessions are those which are of special interest to the readers of *Journal of Polymer Science*.

Ion Exchange (Tilton School): HAROLD F. WALTON, Chairman; ROBERT M. WHEATON, Vice Chairman.

June 26, Complex Ions

- H. P. GREGOR. Polyelectrolyte-Metal Complexes.
 F. HELFFERICH. Ligand Exchange.
 Y. MARCUS. Anion Exchange Specificity for Metal Complexes.
 D. W. MARGERUM. Kinetics of Ion Exchange Diffusion and Coordination Reactions.

June 27, Complex Ions, Thermodynamics

- W. RIEMAN III. Kinetics of Chelating Resins.
 C. E. WYMORE. Resins as Desiccants.
 D. H. FREEMAN and G. SCATCHARD. Swelling of Resins Studied Photomicrographically.
 D. REICHENBERG. Exchange Distributions with Partially Sulfonated Polystyrenes.
 O. D. BONNER. Model Compounds for Ion Exchange.

June 28, Membranes

- R. SCHLÖGL. Onsager Coefficients in Membrane Transport.
 W. JUDA. Applications of Ion Exchange Membranes.
 K. W. CHEN. Water Desalting by Membranes.
 Y. TSUNODA and M. SEKO. Water Desalting by Membranes.

June 29, Special Exchangers, Column Separations

- R. KUNIN. Porous Resins.
 S. LINDENBAUM. Liquid Ion Exchangers.
 W. J. SLOAN. Computers in Column Problems.
 P. B. HAMILTON. Amino Acid Separations.

June 30, Panel Discussion: Important Unsolved Problems in Ion Exchange.

- G. E. BOYD and D. REICHENBERG, Chairmen

Polymers (Colby Junior College): L. A. WALL, Chairman; F. H. WINSLOW, Vice Chairman.

July 3.

- H. MARK. Progress in Polymer Research.
 C. R. PATRICK. Factors Involved in Rate Coefficients in Free Radical Polymerization.
 M. SZWARC. Reactivities of Fluoro-olefins.
 G. H. CRAWFORD, D. E. RICE, and B. F. LANDRUM. Kinetics and Mechanism of Fluoronitroso Polymerization.

July 4.

- C. C. PRICE. Polyphenylene Oxide Polymers.
 J. EICHHORN. Synergistic Agents for Self-Extinguishing Polystyrene.
 H. M. SPURLIN, C. A. LUKACH, and D. L. CHRISTMAN. Kinetics of Ethylene Propylene Copolymerization.

July 5.

- A. D. MCINTYRE. Temperature Dependence of Dynamic Mechanical Properties of Mixed Polymer Systems.
 E. G. KONTOS. Crystallizable Stereoblock Rubbery Copolymers of Olefins.
 R. SIMHA. Sequence Relations in Copolymers.
 H. A. HARTUNG. Intramolecular Cyclization of Network Polymers.

July 6.

- V. STANNETT. The Permeation of Water Through Polymer Films.
 T. E. DAVIS. Thermal Degradation of Polypropylene.

A. CHAPIRO. Some Kinetic Features of Graft Copolymerization with Special Reference to Radiation Grafting.

July 7.

P. SIGWALT. Recent Advances in Block Copolymerization Initiated by Electron Transfer to Monomer.

Textiles (Colby Junior College): H. J. WHITE, Chairman; T. F. COOK, Vice Chairman.

July 10.

B. SHELDON SPRAGUE and R. W. SINGLETON. Effects of Fiber Structure on Dyeability with Disperse Dyes.
 ROBERT F. SCHWENKER, JR., and LOUIS R. BECK, JR. Applications of Modern Thermoanalytical Techniques to Studies of Reactions at Elevated Temperatures in Fibers, Fiber-Forming Polymers, and Elastomers.

July 11.

O. KRATKY. Ideas and Investigations: The Supermolecular Structure of Fibrous Materials.
 W. O. STATTON. Order and Mobility of Molecules in Fibers.

July 12.

D. F. ARTHUR and C. R. JONES. Problems of Heat Setting of Nylon in High-Speed False-Twist Crimping Processes.
 VITTORIO E. CAPPUCCIO. Isotactic Polypropylene Fibers.

July 13.

S. J. O'BRIEN and W. J. VAN LOO, JR. Chemical Bonding and Reaction Rates of Wrinkle-Resistant Finishes with Cotton.
 MARY L. ROLLINS. Microscopically Observed Phenomena of Fiber Damage in Cotton.

July 14.

ROBERT E. WHITFIELD, LOWELL A. MILLER, WILLIAM L. WASLEY, and WILLIE FONG. Wool Stabilization Through Interfacial Polymerization.

Organic Coatings (Kimball Union Academy): G. G. SCHURR, Chairman; R. R. MYERS, Vice Chairman.

July 17.

R. D. ANDREWS. Structural Analysis of Polymers by Stress Birefringence Measurements.
 T. L. SMITH. Mechanical Properties of Polymers.

July 18.

E. G. BELL. Dialysis Techniques for Study of Emulsifier Transport Phenomena in Latex.
 E. R. MOORE. Relations Between Structure and Properties in Water-Thinned Alkyd Systems.

July 19.

J. G. BRODNYAN. Mechanism of Emulsion Polymerization and Particle Size Distribution Functions.
 R. F. FISCHER. Cross-Linked Polyesters from Allyl Glycidyl Ether and Maleic Anhydride.

July 20.

F. W. HOBDEN. The Mechanism of the Formation of Bloom on Paint Surfaces.
 J. S. MACKIE. The Weathering of Paints: An Electron Microscopic Investigation.

July 21.

R. J. FAHL. Optical Properties of Pigmented Films.

continued on inside back cover