

POLYMER NEWS**GORDON RESEARCH CONFERENCES**

The following sessions are of special interest to readers of *Journal of Applied Polymer Science*:

Polymers (Colby Junior College): MICHAEL SZWARC, Chairman; FRASER P. PRICE, Vice Chairman.

June 24. H. F. MARK. New Developments in Polymer Chemistry.
R. ST. JOHN MANLEY, Discussion Leader.
B. RANBY. New Developments in Cellulose Structure.
C. SCHUERCH. New Horizons in Cellulose Applications.
J. J. HERMANS. Recent Developments in the Ultracentrifugation of Synthetic Polymers.

June 25. T. ALFREY, Discussion Leader.
R. F. BOYER. The Glass Temperature and Related Temperatures in Polymers.
HARRY FRISCH. Remarks on Dr. Boyer's paper.
F. J. MCGARRY. Studies of Fractures in Polymers.
A. KATCHALSKY. Mechanochemistry and Muscular Contraction.

June 26. J. HALPERN. Theory of Catalysis by Transition Metals.
C. E. H. BAWN. Catalysis by Lithium and its Derivatives.
G. BIER. Discussion Remarks.
S. OKAMURA. Polymerization in Solid State.

June 27. S. BYWATER. The Effect of Solvent in Anionic Polymerizations.
J. SMID. Kinetics of Anionic Polymerization and Copolymerization.
P. REMPP. Morphology of Block Polymers in Solution.
A. SEHON. Thermodynamics and Kinetics of Antibody-Hapten Reactions.

June 28. P. H. PLESCH. Theory of Carbonium-Ion Polymerization.
J. KENNEDY. Isomerizations in Low Temperature Carbonium-Ion Polymerizations.

Textiles (Colby Junior College): RICHARD STEELE, Chairman; DONALD D. GAGLIARDI, Vice Chairman.

July 8-12. A. B. CRAIG, T. H. GUION, and R. B. THOMPSON. Acrylic Polymer Composition and its Relationship to Basic Dye Receptivity.
MAX FEUGHELMAN. The Unfolding of α -Keratin and the Load-Extension Curve for Single Wool Fibers.
PAUL H. LINDENMEYER. Crystallization Habit and Fiber Formation.

- J. ROSS COLVIN. The Mechanism of Biosynthesis of Cellulose.
 H. ZOLLINGER. Reactivity of Cellulose Hydroxyl Groups in Crosslinking and Related Reactions.
 G. C. TESORO, STEPHEN SELLO, and KELVIN DOMOV. The Reactivity of Aziridinyl Compounds in Textile Applications.
 WALLER GEORGE. Information Theory and its Relation to the Statistical Aspects of Fiber Properties and Fiber-Forming Processes.
 NORMAN R. S. HOLLIES. The Statistical Physics of Fiber-Forming Process and Products.
 DUSAN PREVORSEK and W. JAMES LYONS. Behavior of Single Filaments under Fatiguing in Cyclic Tension.

Adhesion (New Hampton School): FREDERICK R. EIRICH, Chairman;
 JAMES R. HUNTSBERGER, Vice Chairman.

- July 15.* H. A. PERRY, Discussion Leader.
 L. R. LUNSFORD. Analysis of Stress Distribution in Bonded Joints.
 G. IRWIN. Separation Mechanics of Adhesive Joints and Brittle Fracture of Strain Rate Sensitive Materials.
 W. K. ASBECK, Discussion Leader.
 I. M. ZELMAN and B. MANIRE. Prediction of Adhesive and Cohesive Failure with the Fokker Tester.
 R. MYERS. Detection of Incipient Adhesive Failure of Coatings.
- July 16.* R. SIMHA, Discussion Leader.
 R. J. GOOD. Thermodynamics of Liquid Surfaces.
 D. D. ELEY. Heats of Wetting and Surface Potentials at Aluminum Surfaces.
 H. SCHONHORN, Discussion Leader.
 V. L. VAKULA and S. S. VOYUTSKII. Molecular Structure of Polymers and Their Interadhesion.
 A. H. NISSAN and S. S. STERNSTEIN. The Nature of the Adhesion Between Cellulose Fibers.
- July 17.* J. BIKERMAN, Discussion Leader.
 J. SKEWIS. The Role of Molecular Diffusion in Polymer Tack.
 W. FACKLER, JR. Rapid Test of Setting Times of Adhesive Bonds.
 D. H. KÄELBLE, Discussion Leader.
 S. REEGEN. Factors Determining the Peel Strength of Polyurethanes.
 G. GOLDFINGER. Mechanism of Adhesive Failure Between Adherends of Very Different Elastic Properties.
- July 18.* J. HUNTSBERGER, Discussion Leader.
 C. J. SHOAF, H. R. KRYSIAK, and T. C. MAYBERRY. Adhesives for Dacron Polyester Tire Cord.
 J. OUTWATER. The Strength of Glass as Bonded to Resins.
 H. F. WAKEFIELD, Discussion Leader.
 W. E. CASS. Chemical Factors in Bonding Resins to Glass Fibers.
 L. E. ST. PIERRE. Adhesion and Boundary Lubrication.
 I. ZELMAN. Adhesion of Elastomeric Sealants at Liquid Nitrogen Temperatures.
- July 19.* R. TOMASHOT, Discussion Leader.
 H. H. LEVINE. Polybenzimidazoles.
 A. F. LEWIS. Adhesive Behavior of Amine Cured Epoxy Resins.

Elastomers (Colby Junior College): DAVID CRAIG, Chairman; M. L. STUDEBAKER, Vice Chairman.

- July 15.* E. M. BEVILACQUA and W. J. WENISCH. Aging of SBR.
T. R. PAXTON. Radiation Resistant Elastomers.
PAUL R. STORY, ROBERT W. MURRAY, and GEORGE H. BEBBINGTON.
The Chemistry of Antiozonant Action.
- July 16.* A. Y. CORAN. Vulcanization Chemistry in the Presence of Delayed Action Accelerators.
G. G. WANLESS and JOHN REHNER, JR. New Findings in the Cure of EP Rubber.
G. KRAUS and J. T. GRUVER. Rheological Behavior and Processing of Polybutadienes.
- July 17.* SOL DAVISON, M. A. DEISZ, D. J. MEIER, and R. J. REYNOLDS. Abrasion Properties of Tread Stocks.
TORHEL WEIS-FOGH. Recent Work on the Rubbery Protein Resilin.
F. BUCHE. The Effect of Temperature and Other Factors on the Modulus of Filled and Unfilled Rubber.
- July 18.* P. B. STICKNEY. Old and New Work on Bound Rubber.
MELVIN P. WAGNER and H. J. WARTMANN. The Mullins Effect in Silica Reinforced Elastomers.
H. GELDOLF. The Bacterial Degradation of Elastomers.
- July 19.* G. S. TRICK. Characterization of Polymer Networks by Some Newer Physical Methods.
H. TUCKER, S. E. HORNE, and R. J. MINCHAK. Polymerization and Polymer Properties Resulting from Varied Mixed Alkyl Aluminum-Cobalt Salt Initiators.

Organic Coatings (Filton School): HAROLD L. JAFFE, Chairman; JOSEPH GAYNOR Vice Chairman.

- July 15-19.* D. R. HAYS. Factors Affecting Solvent Retention: Carbon-14 Tagged Solvents in Poly(Methyl Methacrylate) Films.
WILLIAM E. WEESNER. Sulfur-Polyester Products.
KURT GUTFREUND. Instrumental Techniques Applied to Paint Film Deterioration.
ROBERT EVANS. The Functionality of Tars.
ROBERT TOOMEY. Solvent Release and Paint Decomposition.
C. K. IKEDA and S. HÖCHBERG. 2-Vinyl-1, 3-Cyclic Acetals, A New Class of Paint Vehicles.
C. E. ANAGNOSTROPOULOS. Nascent Ultraviolet Screeners for Protecting Polymers Against the Effects of Weathering.
D. A. BRUBAKER. Binder Requirements for Electrostatic Printing Papers.

Summer Lab Courses in Polymer Chemistry Offered by the Polytechnic Institute of Brooklyn in June, 1963

Advanced professional instruction in "Fundamentals of Polymer Chemistry" will be offered in a Summer Laboratory Course at the Polytechnic Institute of Brooklyn during June, 1963.

The lectures, laboratory work and demonstrations for the course in Fundamentals of Polymer Chemistry during the week of June 17 through 21, 1963, will concentrate on polymerization and properties of polymers, with special attention to Stereoregular polymers. Laboratory evaluations of polymers will center on viscometry, osmometry, light scattering, and ultracentrifuge methods. Courses begin at 9 a.m. and end at 9 p.m. each day. Attendance is limited to 35, and the fee is \$200.00. Lectures during both day and evening classes will be presented by the faculty of the Institute and selected speakers.

Further information on both summer courses can be obtained by writing or telephoning: Mrs. Doris Cattell, Secretary for Special Courses, Polytechnic Institute of Brooklyn, Brooklyn 1, New York, UL 5-8000, Extension 358.

A colloquium on carbon black will be held on September 27 and 28 at the Ecole Supérieure de Chimie de Mulhouse, Mulhouse, France, under the auspices of the Centre National de la Recherche Scientifique. The topics for discussion will be (1) the determination of the structure of carbon black by physical and chemical methods, (2) the oxidation of carbon black, and (3) the reinforcement of rubber and elastomers. The official languages of the meeting will be French, English, and German. Questions concerning this meeting should be directed to Professor J. B. Donnet at Mulhouse.