

August 12: Norman Wright, "Application of Infrared Analytical Instruments to Plant Production Streams"; W. C. McCrone, Jr., "Microscopy."

August 13: Joseph L. Gormley, "Laboratory Techniques in Criminal Investigations"; Harold A. Frediani, "The Determination of Microgram Quantities of Pharmaceuticals."

August 14: Phillip W. West, "Coordination Chemistry in Analysis and Research."

ORGANIC COATINGS

Henry Grinsfelder, *Chairman*; Lehman Hoag, *Vice Chairman*

August 17: Introductory Remarks: Sam Loshaek, "Basic Considerations Relating to the Kinetics and Extent of Cure in Vinyl Type Coating Materials"; John W. Swanson, "A Study of Film Splitting in Roller Coating Operations"; Harry Burrell, "The Relationship of Theoretical High Polymer Chemistry to the Wrinkle Phenomenon."

August 18: Frank Long, "Diffusion of Water and Solvents in Organic Films"; Edward G. Bobalek, "Electron Microscopy of Pigmented Films."

August 19: D. F. Herman, "Chemistry of the Organotitanium Compounds"; H. H. Beacham, "Utilization of Organotitanium Compounds in Coating Systems"; S. B. Elliot, "Photosensitive Coatings"; John Fletcher, "Practical Considerations of Relationships of Organic Coatings to Vacuum Metalizing of Plastics and Metal Surfaces."

August 20: Ralph J. Wirshing, "Vagaries of Paint Testing"; H. P. Meissner, "Surface Adhesion" (Tentative); Albert G. H. Dietz, "Observations of the Visco Elastic Behavior of High Polymers at Various Rates of Strain and Load Application and Various Temperature Levels" (Tentative).

August 21: G. N. Bruxelles, "Measuring the Gloss of Organic Coatings."

PROTEINS AND NUCLEIC ACIDS

Kurt G. Stern, *Chairman*; M. L. Anson, *Vice Chairman*

August 24: Speaker to be announced, "Relation of Interactions Between Groups Within an Individual Protein or Peptide Molecule and the Configuration of Peptide Chains"; W. T. Astbury, "Interactions Influencing the Folding and Unfolding of Protein Chains, and Relations

to Other Protein Interactions"; D. F. Waugh, "Protein-Protein Interactions in Solutions and in Precipitates."

August 25: P. Doty and K. G. Stern, "Reactions of Nucleic Acids and Other Polyelectrolytes with Proteins"; W. H. Stein, "Separation of Proteins by Chromatography"; E. L. Durrum, "Electrophoresis in Immobilized Solvents."

August 26: Speaker to be announced, "Large Scale Fractionation of Proteins"; D. Surgenor, "Fractionation of Proteins by Precipitation with Heavy Metal Salts"; Speaker to be announced, "Role of Combination of Heavy Metal Ions with Proteins in Enzyme Activation and Protein Stabilization."

August 27: I. Klotz, "General Thermodynamic and Structural Theory of Interactions Between Proteins and Ions"; K. Bailey, "Enzymatic Transformations of Proteins into New Proteins"; C. Fromageot, "Controlled Production of Peptides from Proteins."

August 28: Lyman Craig, "Fractionation and Isolation of Peptides"; H. Neurath, "Structure of Peptides as Determined by Enzymatic and Other Methods, Including End Group Methods"; K. Linderström-Lang, "Résumé and Perspectives."

COAL

A. C. Fieldner, *Chairman*; M. A. Elliott, *Vice Chairman*
Coal as a High Polymer

August 31: H. F. Mark, "High Polymer Chemistry Lecture"; A. Gillet, "Coal Polymers"; I. G. C. Dryden, "Solvent Extraction of Coal Polymers."

September 1: Reactions of Coal Polymers: H. H. Storch, "Hydrogenation"; Everett Gorin, "Pyrolysis."

Surface Phenomena in Relation to Coal

September 2: John Turkevich, Lecture, "Concepts and Techniques in Surface Chemistry"; R. B. Anderson, "Sorption and Desorption."

September 3: A. A. Orning, "The Role of Carbon-Oxygen Complexes in the Reactions of Solid Fuels"; Nathaniel Arbiter, "Mineral Flotation Principles"; H. F. Yancey, "Coal Flotation Applications."

Round Table Discussion of Unsolved Problems

September 4: C. R. Kinney, "High Polymer Chemistry of Coal"; N. K. Chaney, "Surface Chemistry of Coal."

Pacific Division Meeting

Robert C. Miller, *Secretary*

Pacific Division

THE 34th annual meeting of the Pacific Division, AAAS, will be held in Santa Barbara, California, June 15-20, 1953. Registration will open Monday morning, June 15, at 9 o'clock, at the Santa Barbara Civic Recreation Center. The Carrillo Hotel has been designated the headquarters hotel. Requests for accommodations at hotels, motels, and auto courts should be sent to the Santa Barbara Convention Bureau.

The presidential address of C. D. Shane, president

of the Pacific Division, will be given Tuesday evening, June 16, on "The Distribution of Galaxies in Space." On Wednesday evening, June 17, W. F. Libby of the Institute for Nuclear Studies, University of Chicago, will lecture on "Radiocarbon Dating."

Seventeen societies associated or affiliated with the Pacific Division will participate in the Santa Barbara meeting, with symposia and sessions for submitted papers. There will also be a special symposium Wednesday morning, June 17, on the recent research programs sponsored by the National Research Council through the Pacific Science Board.

Local arrangements are in charge of a General Committee, of which John Cushing, of the University of California at Santa Barbara, is chairman.