

Association Affairs

Gordon Research Conferences June 26–September 1, 1950

W. George Parks
Rhode Island State College, Kingston

The Gordon Research Conferences, sponsored by the AAAS, formerly known as the Gibson Island Research Conferences, for 1950, will be held June 26–September 1 at the Colby Junior College, New London, New Hampshire, and the New Hampton School, New Hampton, New Hampshire, both within 100 miles of Boston.

The conferences were established to stimulate research in universities, research foundations, and industrial laboratories. This purpose is achieved by an informal type of meeting consisting of the scheduled lectures and free discussion groups. Meetings are held in the morning and in the evening, Monday through Friday, with the exception of Friday evening. The afternoons are free for recreation or participation in discussion groups. This type of meeting is a valuable means of disseminating information and ideas which otherwise would not be realized through the normal channels of publication and scientific meetings. In addition, scientists in related fields become acquainted and valuable associations formed which have resulted in collaboration and cooperative efforts between different laboratories.

It is hoped that each conference will extend the frontiers of science by fostering a free and informal exchange of ideas. The purpose of the program is not to review the known fields of chemistry, but primarily to bring experts up to date as to the latest developments, analyze the significance of these developments, and to provoke suggestions as to the underlying theories and profitable methods of approach for making new progress. In order to protect individual rights and to promote discussion, it is an established requirement of each conference that all information presented is not to be used without specific authorization of the individual making the contribution, whether in formal presentation or in discussion. Scientific publications are not prepared as emanating from the conferences.

REGISTRATION AND RESERVATIONS

Individuals interested in attending the conferences are requested to send in their applications to the director, on or before April 20. Each applicant must state the institution or company with which he is associated and the type of work in which he is most interested. Attendance at each conference is limited to 100.

The director will submit the names of those requesting attendance to the conference committee for each conference. This committee will review the names and

select the members in an effort to distribute the requests as widely as possible among the various institutions and laboratories represented. The names selected will be returned by the conference committee to the director, who will notify those accepted as soon as possible. A registration card will be mailed with the notice of selection. Advance registration by mail for each conference is required. On receipt of the completed registration card and a deposit of \$25.00 made payable to the Gordon Research Conferences, AAAS, registration will be completed. The deposit of \$25.00 will cover the registration fee of \$15.00 (except for academic individuals and students on personal expense who may apply for a reduction of \$5.00), the balance to be credited against subsistence expenses at the conference. The room rates have been established as follows: \$2.50 per night per person in a double room with single beds; \$3.00 per night per person in a single room, \$3.50 per night per person in a single or double room with private bath. Meals served in the dining room will be charged at the rate of \$5.75 per day per person. An effort will be made to reduce these rates if warranted by economic conditions. Ten percent is added to each bill to provide for all gratuities. Members attending a conference are expected to live at the conference. If special circumstances warrant living elsewhere, a charge of \$1.00 per day will be made to assist with the financial support of the conferences. The special reduction of 75 cents per day to members attending a conference at personal expense has been discontinued by the Management Committee.

The Management Committee has made available to each of the 1950 conferences a limited fund which may be used to contribute toward the expenses of academic or government employees, either as speakers or participants in the conferences. This fund will be provided from the registration fees collected, and is to be used only to assist academic or government employees who otherwise are not able to attend, and whom the conference chairman or program committee believes should be invited to be present, in the expectation that they will make significant contributions to the program. The chairman of the conference and the director of the conferences are charged with the responsibility for the disbursement of this fund. It may be used to contribute toward the traveling expenses or subsistence expenses at the Conference. The money is to be used as an assistance fund only. Total travel and subsistence expenses normally will not be available. It is expected that an individual receiving assistance from this fund will attend the Conference and be available for participation in the discussions during the four and one-half days of the conference.

If it is necessary to cancel a reservation, the notice must be received in the office of the director three weeks prior to the conference. If such notice is received three weeks

in advance of the conference, \$20.00 will be refunded from the \$25.00 deposit. No refund will be made for cancellations received within the three-week period.

The first meeting of each conference is held Monday morning at 9:00 o'clock EDT. The morning sessions, through Friday, are scheduled from 9:00 a.m. to 12:00 noon. The second session of each day is held in the evening from 7:30 to 10:00 p.m., Monday through Thursday. There are no Friday evening meetings.

Public lectures, sponsored jointly by the school and the Gordon Research Conferences, will be organized on Sunday evenings preceding each conference. The schedule of these lectures has not been completed. The tentative dates on which it is hoped to have available an outstanding speaker on a subject of general interest are stated in the program.

Accommodations are available for a limited number of women to attend each conference, also for wives who wish to accompany their husbands. All such requests should be made at the time of the request for attendance, because these limited accommodations will be assigned in the order that specific requests are received.

Requests for attendance at the conferences or for any additional information should be addressed to W. George Parks, Director, Department of Chemistry, Rhode Island State College, Kingston, Rhode Island. From June 20-September 1, mail should be addressed to Colby Junior College, New London, New Hampshire.

Program at

Colby Junior College, New London, New Hampshire

*C. W. Montgomery, Chairman; A. Farkas,
Vice Chairman*

June 26-30 Detailed program will be announced and distributed as soon as it is completed. The topics to be discussed are as follows: "Thermodynamics of Absorption"; "Electronic Structure of Catalysts"; "Examination of Catalysts by Physical Methods"; "Mechanism Studies on Fischer-Tropsch Oxo Aromatization and Catalytic Cracking"; "A General Review of Oxidation Catalysis."

July 2 8:00 p.m., public lecture. Speaker and subject to be announced.

PETROLEUM

*C. C. Price, Chairman; Robert W. Schiessler,
Vice Chairman*

July 3 K. E. Stanfield, "Composition and Structure of Oil Shales"; W. I. R. Murphy, "Compositions and Structure of Shale Oils."

July 4 A. H. Batchelder, "Fundamental Information on Composition and Structure of Greases"; E. C. Hughes, H. F. Hardman, and R. B. Faris, Jr., "Some Fundamental Studies on the Composition and Physical Properties of Asphalt."

July 5 R. F. Marschner, "Urea Adduction"; A. N. Sachanen, "Synthetic Lubricants by Olefin Polymerization."

July 6 H. C. Brown, "The Nature of Aluminum Chloride Complexes"; A. W. Francis, "Ternary Diagrams as Applied to Solvent Extraction."

July 7 O. Beeck, "Isomerization and Related Reactions of Isotopic Hydrocarbons."

July 9 8:00 p.m., public lecture. Prof. Charles H. Smiley, Brown University, "The Arctic."

POLYMERS

*H. M. Spurlin, Chairman; Turner Alfrey, Jr.,
Vice Chairman*

July 10 Herman Mark, "Survey of Advances During the Last Year"; H. A. Bruson, "Reactivity of Some Diene Polymer Systems Toward Hydrogen Donors."

July 11 Carl E. Black, "The Structure and Properties of Condensation Co-polymers"; Emmette F. Izard, "The Effect of Chemical Composition on Selected Physical Properties of Linear Polymers"; Clayton Huggett, "Effect of Traces of Metals on Homogenous Free Radical Polymerization."

July 12 P. J. Flory, T. G. Fox, A. V. Tobolsky, Turner Alfrey, Jr; Symposium on Hardening of Polymers at Low Temperature.

July 13 Peter Debye, F. T. Wall, "Polymer Electrolytes"; R. M. Fuoss, "Polymer Electrolytes" (continued); John R. Caldwell, "New Classes of Solvents for Proteins and Polyamides."

July 14 E. R. Purchase, R. W. Nebel, "The Acetylation of Cellulose"; L. A. Hiller, Jr., "The Kinetics and Thermodynamics of Cellulose Acetylation."

TEXTILES

*Earl E. Berkley, Chairman; Joseph H. Brant,
Vice Chairman*

July 17 B. B. Robinson, "Production and Utilization Problems of Long Vegetable Fibers"; J. B. Goldberg, "The Interpretation and Practical Application of Textile Research."

July 18 W. J. Hamburger, "New Scientific and Psychological Methods Applied to the Evaluation of Complex Textile Properties"; Games Slayter, "New Developments in Glass Fibers and Their Fields of Industrial Application."

July 19 J. A. Howsmon, "The Fine Structure of Cellulose Fibers"; Robert F. Peterson, "Methods of Preparing Casein Fibers and Their Properties."

July 20 H. J. White, Jr., "Some Physical Chemical Studies on Dyeing"; G. R. Seidel, "Flame Retarding Cellulosic Materials with Salts of Titanium and Antimony."

July 21 B. L. Browning, "Influence of Fiber Characteristics on Paper Making Properties."

July 23 8:00 p.m., public lecture. Subject and speaker to be announced.

CORROSION

*Norman Hackerman, Chairman; F. W. Fink,
Vice Chairman*

July 24 H. H. Uhlig, "Contact Potentials"; D. MacGillavry, Jr., "Metal-Solution Interface Potentials."

July 25 W. D. Robertson, "Double Layer Capacity at an Electrode"; A. J. deBéthune, "Overvoltage."

July 26 Speaker to be announced, "Polarization"; F. L. LaQue, "Polarization in Flowing Solutions."

July 27 H. D. Holler, "Potentials of Galvanic Couples"; K. G. Compton, "Potentials of Coated and Inhibited Metals."

July 28 J. M. Pearson, "Summation: The Working Electrode in Corrosion Processes."

INSTRUMENTATION

V. F. Hanson, *Chairman*; H. W. Washburn, *Vice Chairman*

July 31 Van Zandt Williams, "Recent Developments in Infrared Spectrometry"; Howard Cary, "Instrumentation for Ultra Violet Spectrophotometry"; N. B. Hannay, "The Application of the Mass Spectrometer to Analytical Problems Encountered in the Development of Electronic Equipment"; M. J. O'Neal, "High Molecular Weight Mass Spectrometry."

August 1 R. J. Moon, "A Means of Amplifying and Intensifying the Fluoroscopic Image by Means of a Scanning X-Ray Tube"; L. O. Brockway, "Electron Diffraction Instrumentation and Its Application to the Analysis of Solids"; Eric T. Clarke, "Application of Radioactive Isotopes in Industry and the Instruments Required for Their Application"; S. E. Eaton, "The Use of Radioactive Materials for Making Measurements."

August 2 Speaker to be announced, "Instrumentation and Applications of Microspectroscopy"; Leo L. Helterline, Jr., H. V. Hjermstad, Symposium on A.C. Voltage Regulators. Symposium on Special Instruments, I.

August 3 Russell H. Varian, "Industrial Applications of Nuclear Induction"; Speaker to be announced, "Radiofrequency Measurement of Conductivity of Electrolytes Without Electrodes"; Symposium on Special Instruments, II.

August 4 Earl H. Wood, "Special Instrumentation Problems Encountered in Physiological Research Concerning the Heart and Circulation."

August 6 8:00 p.m., public lecture. Speaker and subject to be announced.

VITAMINS AND METABOLISM

E. L. R. Stokstad, *Chairman*; W. J. Darby, *Vice Chairman*

August 7 L. Reiner, "Role of Methionine in the Toxicity of Nitrogen Trichloride Treated Protein"; E. C. Reifenstein, "Disturbances of Calcium Metabolism in Clinical Medicine"; B. Connor Johnson, "Synthetic Milk Feeding of New Born Pigs and Calves with Particular Reference to Vitamin B₁₂"; T. J. Cunha, "Animal Protein Factor, Vitamin B₁₂, and Related Factors for the Pig."

August 8 V. Petrow, "Chemistry of Vitamin B₁₂"; T. H. Jukes and K. C. Burke, "Role of Vitamin B₁₂ in Transmethylation"; Gladys Emerson, discussion; F. R.

Bethell, "The Relationship of Vitamin B₁₂ to Intrinsic Factor of Castle"; J. R. Couch, "Vitamin B₁₂ Studies in the Avian Species"; E. L. R. Stokstad, "The Multiple Nature of the Animal Protein Factor."

August 9 William Shive, "The Folic Acid Group"; H. P. Broquist, discussion; P. L. Day, "Studies on the Metabolic Function of Pteroylglutamic Acid"; K. Schwarz, "Dietary Liver Degeneration and Liver Protecting Compounds."

August 10 Aaron Bendich, "Metabolism and Pharmacology of the Purines"; H. Borsook, "The Incorporation of Labeled Amino Acids into Tissue Proteins *In Vivo* and *In Vitro*"; D. R. Lincicome, "Some Aspects of Helminth Metabolism."

August 11 A. F. Bliss, "Role of Vitamin A in the Visual Cycle"; Norris D. Embree, Stanley R. Ames, Robert W. Lehman, and Philip L. Harris, "Vitamin A—The New Official Standard, Methods of Determination and Biopotency of Various Forms."

FOOD AND NUTRITION

James B. Allison, *Chairman*; Bernard L. Oser, *Vice Chairman*

August 14 *Intravenous Alimentation*. Robert A. Harte, discussion, Introductory Remarks; Frederick J. Stare, "Intravenous Fat Alimentation"; Robert Elman, "Intravenous Inorganic Alimentation"; John J. McGraw, "Intravenous Globin Alimentation." *Purine and Pyrimidine Metabolism*. John M. Buchanan, Discussion, "In Vivo and In Vitro Studies on Biosynthesis of Purine and Pyrimidine Bases"; William Shive, "Some Functions of B Vitamins in the Biosynthesis and Metabolism of Purines and Pyrimidines"; Paul M. Roll, "Formation of Nucleic Acids from Purine and Pyrimidine Bases or Nucleosides in Yeast and Animal Tissues."

August 15 *Effects of Environmental Stress on Nutrition*. Harry Spector, Discussion, Introductory Remarks; Robert E. Johnson, "The Effects of Cold Stress on Metabolism in Man"; D. M. Hegsted, "Animal Experimentation and Cold Environment." *Newer Factors in Nutrition*. Bacon F. Chow, discussion, introductory remarks; B. H. Ershoff, "On the Presence of an Antithyrototoxic Factor in Animal Tissues Distinct from Any of the Known Nutrients"; Gladys Emerson, "Vitamin B₁₂."

August 16 *The Chemistry and Physiology of Post Harvest Metabolism in Fresh Fruits and Vegetables*. Walter A. Maclinn, discussion, introductory remarks; W. T. Pentzer, "Methods for Retarding the Rate of Metabolism in Fresh Fruits and Vegetables after Harvesting"; J. R. Magness, "Post Harvest Chemistry and Physiology of Certain Fresh Fruits and Vegetables." *Food Technology of Beverages*. Speaker to be announced, Discussion, Introductory Remarks; Thomas Rector, "Recent Advances in Coffee Technology"; George S. Mitchell, "Technological Problems in Production and Handling of Tea."

August 17 *Nutrition of Infants and Children*. Anthony A. Albanese, Discussion, "Protein and Amino Acid Requirements of Infants and Young Children";

Genevieve Stearns, "Factors Affecting the Mineral Requirements of Children"; Victor A. Najjar, "Recent Developments." *Nutrition in Disease*. Olaf Mickelsen, discussion, introductory remarks; Seymour H. Rinzler, "Nutrition and Cardiovascular Disease"; George Gabuzda, "Nutrition in Liver Disease."

August 18 Criteria for Safety of Foods. Bernard L. Oser, discussion, introductory remarks; A. J. Lehman, "The Viewpoint of the Government"; J. P. Kass, "The Viewpoint of Industry."

August 20 8:00 p.m., public lecture. Speaker and subject to be announced.

MEDICINAL CHEMISTRY

Martin T. Leffler, Chairman; Otto K. Behrens, Vice Chairman

August 21 Hormones. DeWitt Stetten, Jr., "The Hormonal Regulation of Certain Metabolic Processes"; Dwight J. Ingle, "Effect of Adrenal Hormones on Metabolism"; Edwin E. Hays, "Chemistry of ACTH"; Lewis H. Sarett, "Synthesis of Adrenal Steroids."

August 22 Hormones (continued). Peter H. Forsham, "Clinical Effects of Adrenal Hormones"; John R. Mote, "The Role of the Adrenal Gland in Human Diseases." *Antigastric Secretory Agents*. Charles F. Code, "The Qualitative Determination of Antigastric Secretory Activity with Comments on the Physiologic Basis of Such Activity and Its Occurrence in Some Agents"; Joseph B. Kirsner, "Present Clinical Status of Antigastric Secretory Agents."

August 23 Protein Binding. I. M. Klotz, "The Nature of Some Protein Complexes"; Walter L. Hughes, Jr., "Protein-Small Molecule Interactions" (tentative subject); Britton Chance, "Binding of Substrates and Prosthetic Groups in Hemoproteins"; S. H. Armstrong, Jr., "The Physiological Significance of Protein Binding."

August 24 Nucleic Acids. Hubert S. Loring, "Chemistry of Nucleic Acids"; George B. Brown, "Nucleic Acid Metabolism"; Hans Popper, "Nucleic Acids in Pathology." *Metabolism of Drugs*, Bernard B. Brodie, "Chemotherapeutic Implications of Studies of the Fate of Drugs in Man"; E. W. Maynert, "Metabolism and Elimination of Barbiturates."

August 25 Antithyroid Substances. R. G. Jones, "Chemistry and Metabolism of Antithyroid Substances"; E. B. Astwood, "Antithyroid Substances, Methods of Testing and Clinical Results."

CANCER

W. U. Gardner, Chairman; M. J. Shear, Vice Chairman

August 28 George W. Kidder, "Some Aspects of Comparative Biochemistry of Purines and Pyrimidines"; Alfred Gellhorn, "Experimental Cancer Chemotherapy with Purine and Pyrimidine Derivatives"; Dietrich Bodenstern, "Studies of Growth and Differentiation on Embryonic Cells"; L. C. Strong, "Litter Seriation in Cancer Susceptibility."

August 29 E. V. Jensen and C. Huggins, "Serum Proteins in Cancer"; Stuart W. Lippincott, Helen Thornton, Lester D. Ellerbrook, Marsh C. Rhees, C. T. O. Fong, and E. C. Stowell, Jr., "Complement Fixation in Animal Neoplasia. A Study of the Factors Involved in the Reaction with the Brown-Pearce Carcinoma"; Freddy Homburger, "Evaluation of Diagnostic Tests for Cancer"; J. K. Cline, "Systematic Study of Some Proposed Cancer Tests."

August 30 James A. Reyniers, "Germ Free Life and the Cancer Problem"; W. F. Dunning, "Dietary Deficiencies and Excesses in the Economy of Cancer"; Julius White and M. Berenbom, "Some Metabolic Studies of Normal and Tumor Bearing Animals with N¹⁵"; Paul C. Zamecnik, Ivan D. Frantz, Jr., and Robert B. Loftfield, "Labelled Amino Acids in the Study of Normal and Abnormal Growth."

August 31 W. E. Smith and D. A. Sunderland, "Experimental Studies with Carcinogenic Materials from the Petroleum Industry"; Kenneth M. Lynch, "Asbestos and Cancer of the Lung"; (speaker and subject to be announced); F. Duran-Reynals, "Environment and Virus Variations."

September 1 R. W. Rawson, "What Radio-Iodine Has Taught Us About the Pathologic Physiology of Thyroid Neoplasms"; A. Haddow, "Nitrogen Mustard Carcinogens and Their Site of Action."

Program at

New Hampton School,

New Hampton, New Hampshire

CHEMISTRY AND PHYSICS OF METALS

Earl A. Gulbransen, Chairman

July 3 The Metallic Bond. S. Dushman, "Atom Bonds in Metals"; speaker to be announced, "Solid State Theory and Metallic Binding"; D. Harker, "Some Theories of Intermetallic Chemistry."

July 4 D. P. Shoemaker, "The Crystal Structure of Some Intermetallic Compounds"; L. Brewer, "Bonding in Semi-metals"; R. E. Rundle, "Bonding in Interstitial Compounds."

July 5 C. Wagner, "The Relationship Between Measurable Thermodynamic Properties and Theories of the Solid State"; E. Wallace, "Experimental Methods for Evaluating Cohesive Energies, Free Energies, and Residual Entropies of Simple Alloys as Illustrated by the Mg-Cd. System"; D. P. Smith—presented by G. Derge, "The Distribution and State of Hydrogen in Metals and Certain Inferences"; C. G. Shull, "Neutron Diffraction Studies in Relation to Solid Structure."

July 6 H. B. Huntington, "Metallic Binding Near Surfaces and Lattice Defects"; speaker to be announced, "Relationships Between Elastic Constants and the Effect of Pressure and Metallic Binding"; C. H. Shaw, "A Survey of X-Ray Studies on the Electronic Band Structure of Metals."

July 7 R. Speiser and J. W. Spretnak, "Theoretical Predictions of Binary Phase Diagrams."

CURRENT TRENDS IN ANALYTICAL CHEMISTRY

*B. L. Clarke, Chairman; W. E. Campbell,
Vice Chairman*

July 10 N. H. Furman, "Introductory Survey"; R. H. Müller, "A Topic in Instrumental Analysis."

July 11 H. S. Strain, "Analysis by Chromatographic Adsorption"; Charles E. White, "Fluorescence Analysis."

July 12 Grant Wernimont, "Statistical Methods in Analysis"; W. J. Youden, "Statistical Methods in Analysis."

July 13 J. J. Lingane, "Electrical Methods in Analysis"; W. E. Campbell, "Electrical Methods in Analysis."

July 14 C. W. Gould, "Organic Analysis."

ORGANIC COATINGS

*G. W. Seagren, Chairman
Mechanism of Film Formation*

July 17 *Mechanism of Film Formation.* W. O. Lundberg, "The Role and Mechanism of Oxidation in the Film Formation of Drying Oils"; D. H. Wheeler, "Heat-Induced Polymerization."

July 18 A. K. Doolittle, "Mechanism of Solvent Action and Film Formation"; J. Kenneth Craver, "Mechanism of Plasticization."

July 19 Daniel Smith, "Rheology in Film Formation"; R. H. Kienle, "Factors in the Formation and Behavior of Pigmented Films."

July 20 Speaker to be announced, "Reinforcement of Films by Pigments"; W. K. Asbeck, "Electrokinetic Properties of Pigment Dispersions."

July 21 H. F. Payne, "Mechanism of Water Absorption and Diffusion."

ION EXCHANGE

*Robert Kunin, Chairman; F. C. Nachod,
Vice Chairman*

July 24 George Boyd, Harry Gregor, "Basic Physical Chemistry of Ion Exchangers"; Walter Juda, K. Sollner, "Membrane Electrodes."

July 25 E. Glueckhauf, K. Kraus, "Ion Exchange Separations in Inorganic Chemistry"; S. Moore, A. Reid, "Ion Exchange Separations in Organic Chemistry."

July 26 G. Bodamer, "Ion Exchange in Non-Aqueous Media"; L. Hammett, F. Nachod, "Catalytic Properties of Ion Exchange Substances."

July 27 W. Rieman, "Ion Exchange in Analytical Chemistry"; H. Thomas, subject to be announced; W. Bauman, R. Kunin, and others, "Evaluation Methods and Characterization of Ion Exchange Substances."

July 28 E. Roberts, G. Monet, "Fundamental Engineering Principles of Ion Exchange."

MICROBIOLOGICAL DETERIORATION

John Leutritz, Jr., Chairman

July 31 R. H. Colley, "General and Historical Re-

view, Chemistry of Cellulose and Related Substances, Organisms Causing Deterioration and the Mechanism of Destruction, Ecology of Bioagents, Enzyme Action."

August 1 R. H. Baechler, "Relation Between Chemical Structure and Fungicidal Activity, Mechanism of Preservation, Effect of Chemical Compounds on the Metabolism of Organisms."

August 2 G. A. Garratt, J. F. Oesterling, "Chemical Relationships Between the Cellulosic Substrate and the Preservative, Methods of Employing the Preservative, Effect of Environment on Efficacy of the Preservative, Processing Factors as Limitations."

August 3 G. A. Greathouse, "Evaluation of Preservatives; Screening, Accelerated and Service Tests. Other Factors Toxicity, Corrosion, Odor, etc."

August 4 J. Leutritz, Jr., "Practicability of Preservatives." Round table discussion. Each moderator will be supported by short papers and prepared discussions in addition to the general discussion from the floor.

PHYSICAL METHODS IN NUCLEIC ACID AND PROTEIN RESEARCH

Kurt G. Stern and Elkan R. Blout, Cochairman

August 28 *Electron Microscopy.* C. E. Hall, "Electron Microscopy of Protein Molecules" (tentative). *X-Ray Diffraction.* I. Fankuchen, "X-Ray Diffraction Studies on Proteins, Enzymes, and Viruses"; W. T. Astbury, "X-Ray Diffraction Studies on Proteins and Nucleic Acids."

August 29 *The Action of Ultraviolet Light, Ultraviolet Spectroscopy and Ultraviolet Microspectroscopy.* A. D. McLaren, "Photochemical Studies on Proteins, Enzymes, and Viruses"; A. Pollister, "Photometric Studies on Intracellular Nucleic Acids."

August 30 *Infrared Spectroscopy and Microspectroscopy.* R. S. Halford, "Polarized Infrared Spectroscopy of Proteins"; E. R. Blout, "Infrared Spectroscopy and Microspectroscopy of Nucleic Acids and Their Components."

August 31 *Molecular Size and Shape.* P. Doty, "Light Scattering and Its Applications to Nucleic Acids"; J. L. Oncley, "Studies of β -Lipoprotein of Human Plasma"; K. G. Stern, "Physical-Chemical Studies on Nucleic Acids and Nucleoproteins."

September 1 *Miscellaneous Techniques.* E. Chargaff, "Chromatographic Studies on Nucleic Acids"; Gerson Kegeles, "Diffusion and Adsorption Studies on Proteins."

The following individuals will be present by invitation: W. T. Astbury, University of Leeds; T. P. Caspersson, Karolinska Institute, Stockholm; A. G. Ogston and R. Barer, Oxford University; and D. O. Jordan, University of Nottingham.

Science

Association Affairs

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