

# Association Affairs

## Gordon Research Conferences June 18–August 31, 1951

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THE annual Gordon Research Conferences (formerly known as the Gibson Island Research Conferences), will be held June 18–August 31 at Colby Junior College, New London, N. H., and the New Hampton School, New Hampton, N. H., under the sponsorship of the AAAS.

New London is located on the cross-state highway, Route 11, 100 miles from Boston and 130 miles from Springfield, Mass. The White Mountains are approximately 75 miles from the college. Concord, the state capital, is 35 miles to the southeast, and Hanover (Dartmouth College) is the same distance to the northwest. Two routes are available to the college by train. From Boston individuals attending the conferences should take the Boston and Maine Railroad (North Station) to Potter Place, N. H., which is located 8 miles from New London by automobile. From New York City and the West, New London is reached via Springfield, Mass., and Claremont Junction, N. H. Claremont Junction is approximately 25 miles from New London. If air travel is desired, Concord, N. H., is the nearest airport (35 miles from New London) and is served by Northeast Airlines. Limited bus transportation is available from Boston and Springfield to Potter Place and Claremont. Taxi service is available at Potter Place and Claremont Junction, with special rates for conference members.

New Hampton is located on the state highway, Route 104, 100 miles from Boston and approximately 26 miles from New London. Franconia Notch, N. H., is 40 miles from the school, and Mount Washington (Presidential Range) is 70 miles distant. It is 9 miles to Lake Winnepesaukee, at Meredith, N. H. In order to reach the school by train, the most satisfactory route is from Boston, via the Boston and Maine Railroad (North Station) to Franklin or Laconia, N. H. The school is 16 miles from Franklin and 12 miles from Laconia. Air travel is available to and from Concord via Northeast Airlines. Bus transportation is available from Boston. Transportation will be available at both Franklin and Laconia, with special rates for conference members.

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. Sufficient time is available to stimulate informal discussions among the members of the conference. Meetings are held mornings and evenings, Monday through Friday, with the exception of Friday evening. The afternoons are available for recreation, reading, resting, or participation in discussion groups, as the individual desires. This type of meeting is a valuable means of disseminating information and ideas that otherwise might not reach the normal channels of publication and scientific meetings. In addition, scientists in related fields become acquainted, and valuable associations are formed, resulting 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 between persons actively interested in the subjects under discussion. 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, to analyze the significance of these developments, and to stimulate suggestions as to the underlying theories and effective methods whereby new progress can be made. In order to protect individual rights and to promote discussion, it is an established requirement of each conference that no information presented is 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 at once. 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 being credited against subsistence expenses at the conference. It is hoped that it will be possible to maintain the same rates for room and meals as last year, namely, \$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 were at the rate of \$5.75 per day per person. Economic conditions may require these rates to be revised, but a definite statement will be sent with the registration cards. Ten per cent 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.

A special fund is provided each year by the Management Committee from the registration fees, to be used to assist academic and government research men or women who have been invited to attend a Gordon Research Conference, but who are not able to attend without serious

financial sacrifices. This fund is provided with the object of increasing the participation of academic and government research men or women in the conferences, and is limited to individuals who have been invited to attend because of the significant contributions they may be able to make, and who will be available for participation in the discussions during the conference.

It is the responsibility of each chairman and the director of the conferences to use this fund effectively in meeting the individual needs of the academic and government participants. It may be used to contribute toward traveling and/or subsistence expenses at the conference, but the money is to be used as an assistance fund only. Total travel and subsistence expenses normally will not be paid.

If it is necessary to cancel a reservation, notice must be received in the office of the director three weeks prior to the conference, whereupon \$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 on Monday at 9:00 A.M., 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. Conference members are expected to release their rooms not later than Sunday morning unless they have made a reservation for the next conference.

The public lectures, sponsored jointly by the college and the Gordon Research Conferences, will be organized on Sunday evening preceding several conferences. Conference members usually arrive on Sunday afternoon preceding the conference because it is not possible to obtain public transportation Monday morning in time to arrive for the opening meeting. 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 and for wives who wish to accompany their husbands. All such requests should be made at the time of the request for attendance, because accommodations will be assigned in the order that specific requests are received. Children under eight years of age cannot be accommodated at Colby Junior College; children four years of age and older can be accommodated at the New Hampton School. Rooms are available at several inns and hotels in both New London and New Hampton if reservations are made in advance. Information on these inns and hotels will be supplied by the director on request. No dogs or other animals will be permitted in the dormitories.

Requests for attendance at the conferences or for any additional information should be addressed to W. George Parks, Director, Department of Chemistry, University of Rhode Island, Kingston, R. I. From June 15 to September 1, 1951, mail should be addressed to Colby Junior College, New London, N. H.

## PROGRAM AT COLBY JUNIOR COLLEGE<sup>1</sup>

### CATALYSIS

#### *Otto Beeck Memorial Conference*

A. Farkas, *Chairman*; R. C. Hansford, *Vice Chairman*

June 18: H. S. Taylor, "Evaporated Films and Tech-

<sup>1</sup>Conference programs that are incomplete in this announcement may be obtained from the Director, University of Rhode Island, Kingston, R. I.

nical Catalysts;" B. A. Fries, "The Hydroforming Reaction: Studies with Carbon-labeled Methylcyclohexane;" P. W. Selwood, "The Structure and Catalytic Activity of Some Amorphous Solids."

June 19: Hugh M. Hulburt, "Electronic Structure and Properties of Oxidation and Hydrogenation Catalysts;" W. A. Weyl, "Surface Chemistry and Heterogeneous Catalysis."

June 20: G. L. Simard, "Studies on Vanadium Oxides as Oxidation Catalysts;" W. J. Kirkpatrick, "The Mechanism of Oxidation of Sulfur Dioxide over Vanadium Pentoxide-Silica-Potassium Pyrosulfate Catalyst;" F. G. Ciapetta, "The Isomerization of Saturated Hydrocarbons by Hydrogenation-Cracking Catalysts."

June 21: R. P. Eischen, "Isotopic Exchange Reactions in the Study of Surface Properties of Iron Catalysts;" L. J. E. Hofer, "The Mechanism of the Carburation of Iron;" R. B. Anderson, "The Preparation of Nitride, Carbonitride and Carbide of Iron and their Behavior in the Fischer-Tropsch Synthesis;" Hartley C. Eckstrom, "Catalyst Composition in Hydrocarbon Synthesis."

June 22: Round-table discussion.

### PETROLEUM

Robert W. Schiessler, *Chairman*; E. C. Hughes, *Vice Chairman*

June 25: V. Haensel, "Platforming of Pure Hydrocarbons;" J. S. Ball, "Sulfur Compounds in Petroleum."

June 26: R. L. Burwell, Jr., "Action of Sulfuric and Chlorosulfonic Acids on Hydrocarbons;" H. L. Lochte, "Nitrogen and Oxygen Compounds in Petroleum."

June 27: H. Pines, "Mechanism of Isomerization of Cycloparaffins;" R. A. Van Nordstrand, "The Structure of Petroleum Waxes."

June 28: B. L. Evering, "Hydrocarbon Isomerization Using Aluminum Chloride and Sulfuric Acid Catalysts;" evening session to be announced.

June 29: To be announced.

### ELASTOMERS

Albert W. Meyer, *Chairman*; J. D. D'Ianni, *Vice Chairman*

July 2: Monomers and Polymerization Conditions: F. R. Mayo, Discussion; Maurice Morton, "Quantitative Studies of Emulsion Polymerization;" Polymerization Conditions: Round-table discussion; F. R. Mayo, *Leader*.

July 3: Polymer Structure and Composition vs. Physical Properties and Performance in Service: P. J. Flory, A. W. Meyer and others, "Relationships between Polymer Structure and Properties;" W. O. Baker, "Mechanical Properties of Molecules in Solution;" T. W. DeWitt, "Dynamic Behavior of Polyisobutylene as a Function of Frequency and Temperature;" Robert A. Marvin, "Nonlinear Aspects of Dynamic Properties of Elastomers;" S. D. Gehman, "Effect of Compounding Variables on Dynamic Properties;" J. W. Liska, "Correlations of Dynamic Properties with Service Performance."

July 4: Mechanism of Reinforcement: W. R. Smith and R. L. Zapp, Discussion; John Rehner, Jr., "Thermodynamics of Filler Reinforcement;" B. A. Mrowca, "Study of Reinforcement by Nuclear Magnetism;" E. M. Dannenberg, "Polymer Structure and Response to Reinforcement."