

Among the persons who have contributed to the fund are Mrs. Helen Hartley Jenkins, of New York City, who gave \$25,000 through the Hartley Corporation, and Mrs. Charles H. Stout, of Short Hills, New Jersey, who donated \$10,000.

#### THE TORONTO MEETING OF THE AMERICAN ELECTROCHEMICAL SOCIETY

THE spring meeting of the society is scheduled for May 27, 28 and 29. Many of the members expect to arrive in Toronto on Sunday, in order to give themselves an opportunity to become acquainted with the metropolis of Canada. At Toronto are located 3,600 manufacturing establishments, with an annual output of various products amounting to \$60,000,000. North of Toronto are the great mines of Ontario, which are responsible to a large measure for the city's prosperity.

The reduced railroad rates go into effect on May 15, and there will be a large attendance of members and guests residing in the western part of Canada and the United States. The headquarters of the meeting will be at the University of Toronto. The spacious, well-equipped dormitories will be used as sleeping quarters. The university students will have left the week previous, so that the university facilities will be at the disposal of the society. Members and guests are urged to communicate with Professor W. Lash Miller, chairman of the local committee, at the university, and make their reservations for rooms well in advance of the meeting.

Monday afternoon will be devoted to an open discussion, to which guests of members are cordially invited. The topic will be the present status and future developments of the electrochemical industries of Canada, including aluminum, cyanamide, copper, carbide, acetone, etc. There will be a formal paper presented to introduce the topic. The discussion as a whole will not be recorded—pursuing the same policy that has prevailed at the round table discussions. Members will have an opportunity to get the latest reports on the power available for electrochemical industries, raw materials, cost of transportation, markets, new products and their applications, etc.

The main scientific session will be devoted to papers on "Electro-Magnetic Characteristics of Electrochemical Processes." Six papers have been listed for this interesting topic. The papers cover the phenomena experienced not only in solids and solutions, but also in gases. Mr. Floyd T. Taylor, of Matawan, New Jersey, will be in charge of this session.

A session on modern methods of teaching is in charge of Professor Roy L. Dorrance, of Queen's University, Kingston, and promises to be of interest not only to teachers and students, but also to many

of the industrial men who strongly favor radical changes in presenting the subject of electrochemistry to the young student. The modern electrochemist must not only be a good chemist, but he must also be an expert in electrical engineering and metallography, and, above all, must have a full appreciation and understanding of engineering materials and costs. Among those who will participate in this discussion are Professors Stansfield, Sheean, Thompson, Parker, Brockman, Furman, Kahlenberg and Kremers.

Professor Harry A. Curtis, of Yale University, will address the society on Tuesday evening, May 28, on "The Nitrogen Fixation Factories of the World." The address will be illustrated.

On Wednesday morning, May 29, there will be a joint session with the American Electroplaters' Society, Toronto branch. On Wednesday afternoon there is also scheduled a joint session with the Canadian Chemical Association.

Plans for visits to industrial plants have been made.

#### RESEARCH IN AGRICULTURAL CHEMISTRY

As has already been announced, the first award under the Frascch Foundation, established by the will of Elizabeth Blee Frascch for "research in the field of agricultural chemistry," has been made, giving half of the award, \$20,000 annually over a period of five years, to the Boyce Thompson Institute for Plant Research in Yonkers, New York; \$12,000 annually to the University of Missouri, and to the University of Wisconsin, \$8,000. The committee of five who advised the directors of the American Chemical Society as to the award included: R. W. Thatcher, *chairman*, W. D. Bigelow, C. A. Browne, John Johnston and C. R. Moulton. The fund is administered by the United States Trust Company, upon the legal advice from the directors of the American Chemical Society.

It is proposed that the funds be applied mainly to salaries, the institution obtaining the award to supply the equipment and materials for the investigations. In the case of the Boyce Thompson Institute, a large laboratory is being equipped especially for this work, and Dr. F. E. Denny will handle the research on effect of stimulative chemicals on plant growth, while Dr. Frank Wilcoxon will conduct the special insecticide and fungicide investigations.

At Wisconsin the fund will be devoted to the biochemistry of micro-organisms in connection with fermentation studies already under way, while at Missouri the project is entitled "The Efficiency of the Animal Growth Process at Various Ages and under Various Conditions of Management."

Annual progress reports are to be made and probably a series of monographs issued on the completed work.