

A. Bone on "The Photographic Analysis of Explosion Flames," Sir Peter Chalmers Mitchell on "Zoos and National Parks," Sir Arthur Keith on "The Construction of Man's Family Tree," Sir Oliver Lodge on "A Retrospect of Wireless Communications," Sir James Jeans on "Beyond the Milky Way," and Dr. S. Kemp on "Oceanography in the Antarctic."

A public lecture, non-members included, will be given by Mr. Angus Macrae on "Guidance in the Choice of an Occupation," at 3:30 p. m. on Monday, September 28, in the London School of Economics. Other public lectures will be arranged in several of the polytechnic institutions.

Receptions will be given as follows: At the National Physical Laboratory, Teddington, in connection with the visit on Thursday afternoon, September 24; at Bedford College for Women, Regent's Park, N.W.1, on Thursday afternoon, September 24, from 4 to 6 p. m.; by the Royal Society to invited delegates, in connection with the Faraday Centenary Celebration, on Thursday evening, September 24; by H. M. Government in the Imperial Institute on Friday evening, September 25, beginning at 9 p. m.; by the founder and director of the Wellcome Historical Medical Museum on Friday evening, September 25, beginning at 8:30 p. m.; at the Hampton Court Palace on Saturday afternoon, September 26; in the Court and the Senate of the University of London and at the Wellcome Historical Medical Museum on Monday evening, September 28; at the Forum Women's Club, on Tuesday afternoon, September 29; by the Right Honorable the Lord Mayor and Corporation of the City of London, on Wednesday evening, September 30, at Guildhall.

The reception of members has also been arranged in connection with many other excursions and visits.

An invited party will visit York, the birthplace of the association, on Saturday and Sunday, September 26 and 27. Down House, the home of Darwin, now held by the association in custody for the nation, will be open to members throughout the meeting.

Interesting exhibits of importance have been arranged at various institutions during the meetings.

#### THE INTERNATIONAL CONVENTION OF THE ELECTROCHEMICAL SOCIETY

PROFESSOR JOHN A. FULTON, director of the MacKay School of Mines, Reno, Nevada, invited authorities on silver to present their views at a luncheon and round table discussion, held at the Hotel Utah, on Thursday, September 3, in connection with the international convention of the Electrochemical Society meeting from September 2 to 5 in Salt Lake City. The state of Utah is the largest silver-producing state in the union, furnishing over 25 per cent. of the total

production in the United States. Mining, metallurgy and the utilization of silver were carefully considered.

On Wednesday, September 2, an entire session was devoted to cyanides in metallurgy, which has an important bearing on the gold situation. Due to many improvements made in the cyanide process, gold can to-day be recovered from ores which were formerly considered worthless. Dr. Dorsey A. Lyon, of the University of Utah, presided.

A session on miscellaneous electrochemical papers took place on Thursday, September 3. Professor Jean Billiter, of the University of Vienna, Austria, described his new electrical apparatus for the purification of drinking water. Dr. M. Sem, of Oslo, Norway, presented data on the new Soderberg electrode. This electrode is from four to five feet in diameter and has been used with success in the production of carbide. Mr. W. E. Moore, well-known furnace expert of Pittsburgh, reported on the latest developments in electric furnace design.

The Edward Goodrich Acheson Medal was presented to Dr. Edwin Fitch Northrup, vice-president of the Electrothermic Corporation, of Trenton, New Jersey, on September 3. An award of \$1,000 in cash accompanies the medal. Dr. Northrup is well known for his work in electric furnace design. After the award of the medal, Dr. Northrup addressed the members and guests on "What is Electricity?"

Flotation, the process by which valuable metals in any ore can be readily and cheaply segregated, is the subject of the symposium, to be held on Saturday, September 5. Professor A. M. Gaudin, of the Montana School of Mines, will preside. This metallurgical process was invented by Miss Carrie J. Everson, of Denver, Colorado. The introduction of flotation has completely revolutionized mining and metallurgy within the last ten years. Among those who will participate in the symposium are Professor Herbert Freundlich, of Berlin; Dr. Oliver C. Ralston, of the United Verde Copper Company; Dr. Edmund S. Leaver, of the U. S. Bureau of Mines, and four engineers of the American Cyanamid Company.

#### THE AWARD OF THE PRIZE OF THE RESEARCH CORPORATION

DR. ANDREW ELLICOTT DOUGLASS has received the \$2,500 prize of the Research Corporation through the Smithsonian Institution for his work in establishing the date of the construction of Pueblo Bonito in Northern Mexico by the measurement of tree rings. The field work was done on the pre-Columbian Beam Research Expedition of the National Geographic Society of which Dr. Douglass was leader.

In the report of his work to the National Geographic Society Dr. Douglass wrote: