

The Carnegie Corporation, on the recommendation of the American Association for Adult Education, has endorsed the project through a grant of \$1,500. A joint conference committee of Columbia and Stevens graduates has been formed on which Columbia is represented by Professor James K. Finch, of the Columbia University faculty; Mr. Lindsay H. Welling, of A. Iselin & Company, and Mr. Edward C. Meagher, of the Texas Gulf Sulphur Company; and Stevens is represented by Mr. Robert C. Post, of Post & McCord; Mr. Walter Kidde, of the Walter Kidde Construction Company, and Mr. Thomas W. Kirkman, of the Kirkman Engineering Corporation.

The camp where the Economic Conference is to be held is the Engineering Camp of Stevens Institute of Technology, near Johnsonburg, Warren County, New Jersey. It is a 370-acre tract, varied in topography within which is a 30-acre lake. The lake with two 90 ft. piers affords excellent opportunity for swimming and water sports. There are two athletic fields offering opportunity for soccer, volley ball, baseball, basket-ball, lacrosse and other sports. The camp buildings, constructed last summer when the camp was opened for freshman surveying work, include sixteen residence cabins scattered through the woods, an administration building, and a mess hall which accommodates 170 men. All camp buildings are built along modern lines with regard to the problems of sanitation and comfort and are electrically lighted. The camp water is supplied by an artesian well 218 feet deep.

THE ECOLOGICAL SOCIETY OF AMERICA

THE Ecological Society of America will hold a summer meeting this year, participating in the first national meeting of the American Association for the Advancement of Science to be held on the Pacific coast.

The meeting will be at the California Institute of Technology, Pasadena, California, from June 15 to 20, inclusive. The sessions of the Ecological Society of America will be held on the mornings of Wednesday and Thursday, June 17 and 18. The afternoons of the meeting are to be devoted mainly to informal discussions and field excursions. Several field trips under the leadership of specialists have been planned to afford opportunities for seeing something of the plant and animal communities of especial interest, and also for the inspection of various ecological installations for experimental investigations.

There will be a dinner for ecologists at the Hotel Constance in Pasadena on Friday evening, June 19, preceding the lecture at the Greek Theater in Griffith Park, Los Angeles, the same evening.

Those intending to present papers at the sessions of the Ecological Society of America should send in

the title, author's name, time for delivery, institution represented, facilities required, and a short abstract (not more than 200 words), to the secretary of the society for the Pasadena meeting, Dr. H. de Forest, 3551 University Avenue, Los Angeles, before May 20.

At one of the two sessions of the society there is to be a general, informal discussion of ecological problems of the Pacific coast region.

THE CENTENARY MEETING OF THE BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

THE preliminary program of the centenary meeting of the British Association for the Advancement of Science, which will be held in London from September 23 to 30, has now been issued.

On Wednesday, September 23, in the Albert Hall (Faraday Centenary Exhibition) at 3:00 P. M., the Right Honorable J. C. Smuts will assume the presidency of the association in succession to Professor F. O. Bower, and will receive the invited delegates of societies and institutions, and of universities, colleges and cities in which the association has held meetings in the past.

On the same day, in the Central Hall, Westminster, at 9:00 P. M., the presidential address will be delivered by General Smuts. The address will be relayed to other halls if necessary. Admission will be by special ticket, for which members will be given the opportunity to apply in advance.

Evening discourses to the members will be given by the following lecturers: Thursday, September 24. Professor W. A. Bone, F.R.S. (on The Photographic Analysis of Explosion Flames); Sir P. Chalmers Mitchell, F.R.S. Saturday, September 26. Sir Arthur Keith, F.R.S.; Sir Oliver Lodge, F.R.S. (A Retrospect of Wireless Communication). Tuesday, September 29. Sir William Hardy, F.R.S.; Sir James Jeans, F.R.S. On Tuesday evening, September 29, the Huxley memorial lecture of the Royal Anthropological Institute will be given by Dr. G. Thilenius, and through the kind cooperation of the institute will be open to members of the association.

Sectional meetings will begin on Thursday morning, September 24, and will be continued daily, at the following places: Imperial College of Science and Technology, the Imperial Institute, the Natural History Museum, the Victoria and Albert Museum, the Royal College of Music, the Royal Geographical Society, and the Entomological Society.

The sectional transactions will include the following presidential addresses: Section A (Mathematical and Physical Science), Sir J. J. Thomson on "The Growth in Opportunities for Education and Research in Physics in the past Fifty Years." Section B (Chemistry), Brigadier-General Sir Harold Hartley

on "Michael Faraday and the Theory of Electrolytic Conduction." Section C (Geology), Professor J. W. Gregory. Section D (Zoology), Professor E. B. Poulton, F.R.S., on "A Hundred Years of Evolution." Section E (Geography), Sir Halford J. Mackinder on "The Human Habitat." Section F (Economic Science and Statistics), Professor E. Cannan on "Internationalism in Economic Theory." Section G (Engineering), Sir Alfred Ewing on "Power" (including the thesis proposed by Sir Frederick Bramwell in 1903 to deal with "the whole question of the prime movers of 1931, and especially with the then relation between steam engines and internal combustion engines"). Section H (Anthropology), Professor A. R. Radcliffe-Brown. Section I (Physiology), Dr. H. H. Dale on "The Biological Nature of Filtrable Viruses." Section J (Psychology), Dr. C. S. Myers on "The Nature of Mind." Section K (Botany), Professor T. G. Hill on "The Advancement of Botany." Section L (Educational

Science), Sir Charles Grant Robertson on "Educational Theory, 1831 and 1931." Section M (Agriculture), Sir John Russell on "The Changing Outlook in Agriculture."

Excursions and visits, both general and sectional, will be arranged to many points of scientific interest in and near London. An invited party will visit York, the birthplace of the association, on Saturday and Sunday, September 26-27. Down House, the home of Darwin, now held by the association in custody for the nation, will be open to members throughout the meeting, as well as for sectional visits to be arranged. A geological excursion to East Anglia is contemplated during the week preceding the meeting, September 16-22.

It is anticipated that receptions will be given on Thursday, September 24, by the Royal Society in connection with the Faraday Centenary Celebration, and on Friday, September 25, by H.M. Government. Other receptions are expected to be arranged.

SCIENTIFIC NOTES AND NEWS

DR. ALBERT A. MICHELSON, the eminent physicist, died at Pasadena on May 9, aged seventy-eight years.

THE National Advisory Council on Radio in Education announces the first of a series of radio lectures, entitled the "Men of America" series, to be broadcast over country-wide networks. President Hoover, speaking from the White House, will introduce the first speaker of the series, Dr. Robert A. Millikan, who will talk from Los Angeles at ten o'clock daylight saving, New York time, on the evening of Friday, May 22. Dr. Millikan's inaugural address will be transmitted to the first annual assembly of the council in session in New York at the New School for Social Research.

THE Institute of Human Relations was dedicated on May 9 at Yale University. Dr. Ray Lyman Wilbur, Secretary of the Interior, spoke on "The Institute and American Education"; Dr. George E. Vincent, formerly president of the Rockefeller Foundation, on "The Institute and the Broader Aspects of Public Health"; Governor Wilbur L. Cross, of Connecticut, on "The Institute and the Community"; and President James Rowland Angell on "The Organization and Work of the Institute."

DR. WILLIAM H. WELCH, professor of the history of medicine and director of the Institute of the History of Medicine at the Johns Hopkins University School of Medicine, sailed for Europe on May 2. He will receive a medal to be conferred on him by the Royal Sanitary Institute of London.

A MARBLE bust of Mr. Thomas A. Edison was un-

veiled on May 7 in Munich at the German Museum Hall of Fame beside that of Werner von Siemens, Germany's electrical pioneer. Mr. Howel Henry Barnes, Jr., of the General Electric Company, unveiled the bust for the Edison Pioneers Society and the American Institute of Electrical Engineers, the donors. He read a letter from Mr. Edison, who expressed the hope that international friendship might be promoted by electrical science.

THE Daniel Guggenheim Gold Medal for notable achievement in aeronautics has been awarded to Dr. Frederick William Lancaster, of Birmingham, England, for his contributions to "the fundamental theory of aerodynamics." Previous awards of the medal have been to Orville Wright and Dr. Ludwig Prandtl.

THE fifth award of the Charles B. Dudley medal, established by the American Society for Testing Materials for recognition of meritorious papers on research in engineering materials, has been made to Mr. A. H. Pfund, professor of physics at the Johns Hopkins University. The award was presented for a paper entitled "Hiding Power Measurements in Theory and Application," presented at the annual meeting of the society in 1930.

COLONEL WILLIAM L. KELLER, Medical Corps, chief of surgical service, Walter Reed General Hospital, Washington, D. C., will be the recipient on June 2 of the honorary degree of doctor of science at the commencement exercises of the Medical College of Virginia. Dr. Keller is an alumnus of this institution.