

PHILADELPHIA MEETING OF THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE.

THE fifty-fourth annual meeting of the American Association for the Advancement of Science, and the third of the 'Convocation week' meetings, will be held in Philadelphia, Pa., December 27, 1904, to December 31, 1904, in the buildings of the University of Pennsylvania. Hotel headquarters have been established at the Hotel Walton, Broad and Locust Streets.

The officers of the local committee are: President, Provost Charles C. Harrison; vice-president, Professor Edgar F. Smith; secretary, Dr. Philip P. Calvert; treasurer, Dr. Samuel G. Dixon; chairman of the executive committee, Provost Charles C. Harrison; of the committee on reception and entertainment, Mrs. Charles C. Harrison; of the committee on hotels and boarding houses, Professor Amos P. Brown; of the committee on meeting places and equipment, Professor Edwin G. Conklin; of the committee on press and printing, Mr. George E. Nitzsche; of the committee on transportation, Mr. Walter Wood; of the committee on finance, Mr. S. F. Houston.

A railroad rate of one fare and one third for the round trip, on the certificate plan, has been granted by the Central Passenger Association, Southeastern Passenger Association, Trunk Line Association and New England Passenger Association. The same rate is expected, and will probably be granted by the Western and the Southwestern Associations. Certificates will also be issued from points in Canada east of and including Toronto. The Transcontinental Passenger Association have on sale daily from Pacific coast points, regular nine months' tourist tickets to Chicago, St. Louis, Memphis and New Orleans, at rates which approximate one fare and one third for the round trip.

The program for the entire meeting will be issued on Wednesday, December 28. Copies may be obtained at hotel headquarters and at the office of the permanent secretary, in Houston Hall. No 'Daily Program' will be issued as at former meetings. The following events may be announced in advance:

Tuesday, December 27, 1904, the regular meeting of the executive committee of the council, consisting of the general secretary, the secretary of the council and the secretaries of the different sections, will be held at noon in the rooms of the permanent secretary, at the Hotel Walton.

Wednesday, December 28, 1904, meeting of the council at 9 A.M. in the auditorium, Houston Hall. First general session of the association at 10 A.M. in the Chapel, College Hall. The meeting will be called to order by the retiring president, Dr. Carroll D. Wright, who will introduce the president-elect, Dr. W. G. Farlow. Addresses of welcome will be delivered by members of the local committee, to which President Farlow will reply. Announcements by the general, permanent and local secretaries. Adjournment of the general session, to be followed by the organization of the sections in their respective halls.

Addresses of the vice-presidents will be given as follows: At 2:30 P.M.—Vice-President Tittmann before the Section of Mathematics and Astronomy, in College Hall. Vice-President Bancroft before the Section of Chemistry, in Harrison Laboratory of Chemistry. Vice-President Russell before the Section of Geology and Geography, in Geological Laboratory, College Hall. Vice-President Mark before the Section of Zoology, in Laboratory of Physiology and Pathology.

The address by Dr. Carroll D. Wright, the retiring president of the association, will be given at 8 P.M.

Thursday, December 29, 1904, at 2:30 P.M.—Vice-President Hall before the Section of Physics, in Morgan Laboratory of Physics. Vice-President MacBride before the Section of Botany, in Biological Hall. Vice-President Baldwin before the Section of Social and Economic Science, in Logan Hall.

Friday, December 30, 1904, at 2:30 P.M.—Vice-President Woodward before the Section of Mechanical Science and Engineering, in Mechanical Engineering Building. Vice-President Saville before the Section of Anthropology, in the Museum of Science and Art.

All meetings will be held in the buildings

of the University of Pennsylvania. The rooms assigned to the various sections of the association and to the affiliated societies are indicated below:

General Meetings.—The opening session on Wednesday morning and the brief daily session at 10 A.M. will be held in the Chapel, College Hall.

Council Room.—The council will meet daily, at 9 A.M., in the auditorium of Houston Hall.

Permanent Secretary.—The office of the permanent secretary will be located on the first floor of Houston Hall. Here will be found post office, registration, and railroad certificate facilities.

Section A, Mathematics and Astronomy.—College Hall.

Section B, Physics.—Morgan Laboratory of Physics.

Section C, Chemistry.—Harrison Laboratory of Chemistry.

Section D, Mechanical Science and Engineering.—Mechanical Engineering Building.

Section E, Geology and Geography.—Geological Laboratory, College Hall.

Section F, Zoology.—Laboratory of Physiology and Pathology.

Section G, Botany.—Biological Hall.

Section H, Anthropology.—Museum of Science and Art.

Section I, Social and Economic Science.—Logan Hall.

Section K, Physiology and Experimental Medicine.—Laboratory of Physiology and Pathology.

American Anthropological Association.—Museum of Science and Art.

American Chemical Society.—Harrison Laboratory of Chemistry.

American Folk-Lore Society.—Museum of Science and Art.

American Philosophical Association.—Logan Hall.

American Physical Society.—Morgan Laboratory of Physics.

American Physiological Society.—Laboratory of Physiology and Pathology.

American Psychological Association.—Psychological Laboratory, College Hall.

American Society of Naturalists.—Laboratory of Physiology and Pathology.

American Society of Zoologists (Eastern Branch).—Laboratory of Physiology and Pathology.

Association of American Anatomists.—Wistar Institute of Anatomy.

Association of Economic Entomologists.—Laboratory of Physiology and Pathology.

Astronomical and Astrophysical Society of America.—College Hall.

Botanical Club of the A. A. A. S.—Biological Hall.

Botanical Society of America.—Biological Hall.

Entomological Club of the A. A. A. S.—Laboratory of Physiology and Pathology.

Fern Chapter.—Biological Hall.

Geological Society of America.—Geological Laboratory, College Hall.

Society of American Bacteriologists.—Laboratory of Hygiene.

Society for Horticultural Science.—Biological Hall.

Society for Plant Morphology and Physiology.—Biological Hall.

Society for Promotion of Agricultural Science.—Logan Hall.

Society of the Sigma Xi.—Houston Hall, Auditorium.

Sullivant Moss Chapter.—Biological Hall.

Wild Flower Preservation Society of America.—Biological Hall.

SCIENTIFIC NOTES AND NEWS.

ON the occasion of the birthday of King Edward honors were conferred upon men of science as follows: Mr. W. H. M. Christie, C.B., F.R.S., has been promoted to the rank of Knight Commander of the Order of the Bath (K.C.B. Civil Division). Dr. J. W. Swan, F.R.S., has received the honor of knighthood. The Hon. C. A. Parsons, F.R.S., has been appointed a companion of the order of the Bath (C.B.).

OXFORD UNIVERSITY will confer the degree of D.Sc. on Dr. Harald Høffding of the University of Copenhagen.

The seventieth birthday of Professor G. H. Quincke, professor of physics at Heidelberg,