

formally dedicated at exercises to be held there on Friday, June 2.

On Saturday there will be a private viewing of the arboretum by officers and members of various horticultural societies and by others actively interested in the promotion of horticulture, and on Sunday the arboretum will be opened for the first time for inspection by the public.

The program for the dedicatory exercises on June 2 will be opened with a scientific session to be conducted at the arboretum at 11 o'clock, with Dr. Thomas S. Gates, president of the university, presiding.

At this session addresses will be made by President Gates; Dr. Rodney H. True, chairman of the department of botany at the university and director of the arboretum; Dr. A. H. Reginald Buller, professor of botany at the University of Manitoba, and Dr. Robert A. Harper, who is Adrian professor emeritus of botany at Columbia University.

Following the scientific session, officials of other well-known arboreta, distinguished scientists and men prominent in various other fields, who will be among the university's guests, will attend a buffet luncheon at the arboretum.

At a convocation to be held there at 3 o'clock on the afternoon of June 2 an address will be delivered by Dr. A. Lawrence Lowell, president of Harvard University, and three honorary degrees will be conferred. In addition there will be a brief ceremony during which custody of the arboretum will be formally transferred to the university.

Preceding the convocation, over which President Gates will preside, will be a formal academic procession. The Rev. W. Brooke Stabler, chaplain of the university and Boardman lecturer on Christian ethics, will give the invocation, and the ceremony of transferring custody of the arboretum will follow.

In this ceremony Maurice Bower Saul, attorney, will represent the executors and trustees of the Morris estate, while President Gates will accept custody of the arboretum on behalf of the university.

At the conclusion of his address, the degree of doctor of laws will be conferred upon President Lowell, and the degree of doctor of science upon Dr. Buller and Dr. Harper, speakers at the morning scientific session.

For the private viewing on Saturday, June 3, the arboretum will be open from 10 A. M. until 5 P. M. For the public inspection on Sunday it will be open from 1 to 6 P. M.

The Morris Arboretum, which overlooks the picturesque Whitemarsh Valley, consists of two estates of approximately 160 acres upon which Miss Morris, who died on January 24, 1932, and her brother, the late John T. Morris, developed one of the finest col-

lections of botanical specimens in the United States. One of these estates, "Compton," where Miss Morris made her home, lies in Philadelphia County, while "Bloomfield," the adjoining estate, is situated in Montgomery County. Compton includes about eighty-five acres of highly diversified land with hillsides and valleys and several small streams. The original estate on which the residence now stands was first planted by Mr. Morris, but subsequently additional land was purchased and on this land later plantings were made by Mr. Morris and, after his death in 1915, by Miss Morris.

In addition to bequeathing the arboretum to the custody of the university, Miss Morris also left the residue of her property, after certain bequests, to constitute an endowment for the arboretum's maintenance and development.

THE FOURTH ANNUAL CONFERENCE OF DONORS AT THE JOHNS HOPKINS UNIVERSITY

THE donors of the fellowships established under the National Fellowship Plan of the Department of Chemistry of the Johns Hopkins University held their fourth annual conference at the university on May 5. The program for the day included addresses by Dr. C. E. Kenneth Mees, director of the Eastman Kodak Company, and Dr. Irving Langmuir, Nobel Laureate in Chemistry. Discussion of the fellowship plan, and visits to the research laboratories of the fellowship students also played a part in the program.

Dr. Joseph S. Ames, president of the Johns Hopkins University, opened the meeting in the morning. In the afternoon, discussion of the fellowship plan centered especially about the following points: the value of the selection of candidates by personal interview; the present research work of the fellowship men, and a comparison of the careers of those appointed for the fellowship and those not appointed, based on a statistical report which was drawn from questionnaires returned by the candidates of former years.

President Ames, at this time, announced the developments under the plan for the year 1932-33. He stated that the H. A. B. Dunning Fellowship for Maryland, given by Dr. Dunning, of Baltimore, and the F. G. Donnan Fellowship for England, given by Dr. Walter A. Patrick, have been endowed. Dr. A. R. L. Dohme, of Baltimore, has renewed for a four-year period his lectureship established to bring noted scientists to lecture at the university.

At 2:30, Dr. C. E. K. Mees delivered a short address on "Scientific Research and Industrial Depression" over WBAL broadcasting station. Dr. Mees gave a more extended discussion of this same topic at the university at 4:00. In his address, he sought to defend scientific research against the charge that "the

troubles of the modern world are really due to the advance of science."

The evening program of the conference was opened by a dinner at the Baltimore Country Club, given by President Ames in honor of the donors, the chemistry faculty and the speakers of the occasion.

Concluding the program for the day, Dr. Irving Langmuir, who recently received the Nobel award in chemistry, gave an exposition of recent research in the field of "Two Dimensional Gases, Liquids and Solids." His topic was of especial interest to advanced chemists and physicists.—N. E. G.

SYMPOSIUM ON THE PHYSICS OF NUCLEI AND OF HIGH ENERGY RADIATIONS

THERE was held from May 11 to 26 at the Norman Bridge Laboratory of Physics of the California Institute of Technology at Pasadena, a symposium on "The Physics of Nuclei and of High Energy Radiations," with the following program:

- "Some Considerations on Cosmic Rays," Professor P. S. Epstein.
- "The Free Positive Electron," Dr. C. D. Anderson.
- "The Foundations of Atomic Mechanics," Professor Niels Bohr, of the University of Copenhagen.
- "A Review of the Experimental Evidence for Neutrons," Professor C. C. Lauritsen.
- "The Foundations of Atomic Mechanics," Professor Niels Bohr.
- "Artificial Disintegration of Nuclei," Professor E. O. Lawrence, of the University of California.
- "Recent Cosmic Ray Observations," Dr. H. V. Neher.
- "The Foundations of Atomic Mechanics," Professor Niels Bohr.
- "Spontaneous Nuclear Decomposition," Dr. R. M. Langer.
- "The Foundations of Atomic Mechanics," Professor Niels Bohr.
- "The Absorption and Scattering of High Energy Radiations," Professor J. R. Oppenheimer.

In addition to his participation in the symposium, Professor Bohr delivered a general lecture on the subject, entitled "'Explanation' in Natural Science." In this lecture he described the gradual change which the idea of mechanical explanation has undergone and the general outlook to which we are led regarding the problems in biology and psychology.

CONFERENCE ON THE DIFFUSION OF SCIENTIFIC KNOWLEDGE

THE summer meeting of the American Association for the Advancement of Science in Chicago will give opportunity for a unique gathering that deserves the

special attention of scientific men. This is a Science Service Conference on the Diffusion of Scientific Knowledge which will be held on Friday, June 23. It will partake of the character of an international conference in which distinguished scientists from other countries will participate. It is hardly necessary to comment on the importance of the widest and most effective possible dissemination of information concerning advances in the scientific field. A few facts regarding the origin and general plan of the symposium will be of interest.

Last January the executive committee of Science Service sought to determine the most appropriate way in which that institution could cooperate with the association and the Century of Progress in the Chicago meeting. Out of that discussion came a plan to hold a conference on the diffusion of scientific knowledge with contributions from representative scientists of the various countries participating in the meetings. The value of such a conference was so clear that the officers in charge of the Chicago program enthusiastically approved the idea. The executive committee of Science Service requested its chairman, Dr. W. H. Howell, to arrange the symposium and to secure speakers from among the foreign guests representing the Scandinavian countries, England, France, Germany and Italy. In this way it is hoped to present a picture of methods employed in various parts of the world to bring scientific research before the public, and to provide an opportunity for scientific men from different countries to express their views in regard to the purposes to be sought and the means to be used in the popularization of science.

The speakers at the conference will include: Professor Joseph Barcroft, professor of physiology, University of Cambridge; Professor Niels Bohr, director of the Institute for Theoretical Physics, Copenhagen University, Copenhagen; Professor Filippo Bottazzi, professor of physiology, University of Naples; Professor Jean Dufrénoy, director of the Station of Agricultural Pathology, Brive (Corrèze), France; Professor Robert A. Millikan, director of the Norman Bridge Laboratory of Physics, California Institute of Technology. Dr. J. McKeen Cattell, president of Science Service, will preside at the conference.

The Science Service conference will be held at a luncheon meeting at the Hotel Stevens, on Friday, June 23, at 12:45 P. M. An invitation is extended to all interested to attend. Tickets will be obtainable at the American Association for the Advancement of Science registration booth, upon arrival in Chicago.—W. H. H.

SCIENTIFIC NOTES AND NEWS

DR. FRANK SCHLESINGER, director of the Yale University Observatory, has been elected a correspondent

of the Paris Academy of Sciences in succession to the late Professor H. H. Turner, of Oxford, England.