a graduate of Kew Gardens in London, has been named superintendent of the arboretum, and the position of head gardener has been filled by the appointment of John Tonkin, who was head gardener under Miss Morris. James O'Neill, who also was in the employ of Miss Morris, will be custodian. A secretary, whose appointment will complete the executive staff, will be named later.

Four members of the faculty of botany have been appointed to the scientific staff. They are Professor Harlan H. York, pathologist; Associate Professor Edgar T. Wherry, ecologist; Associate Professor Conway Zirkle, geneticist, and Assistant Professor John M. Fogg, Jr., taxonomist.

Dr. York will carry on research investigations in connection with plant diseases, with particular reference to trees. Prior to becoming a member of the university faculty, Dr. York served as expert in charge of the research program in the forestry project of the New York State Department of Conservation.

As ecologist, Dr. Wherry will direct the study of plants in their relation to soil and atmospheric conditions and the relation of plants to each other in mixed plantings.

Dr. Zirkle, who is a former member of the research staff at Harvard University, will be associated chiefly with special studies of the reproductive processes in higher plants, particularly with reference to the processes concerned in inheritance.

Dr. Fogg will be in charge of the identification and grouping of the plants in the arboretum on the basis of their botanical relationship. It is the intention to assemble at Compton the most complete herbarium of woody plants that it is possible to collect from all parts of the world.

In addition to the executive and scientific staff, the organization of an advisory staff, which will include a landscape architect, a zoologist, a chemist and an engineer, has been recommended by the committee on administration of the arboretum, of which Dr. George Wm. McClelland, vice-president of the university in charge of the undergraduate schools, is chairman. The members of the advisory staff will be designated by the respective deans or department heads, subject to the approval of the committee on administration.

THE PROPOSED EVERGLADES NATIONAL PARK

WE are permitted to print the following memorandum addressed on January 7 by Dr. Wilbur, Secretary of the Interior, to Horace M. Albright, director of the National Park Service:

With the help of Dr. Fairchild and Judge Ritter, president of the association, and through the kindness of Mr. Henry L. Doherty, I was taken to Cape Largo, then by water through the Keys to Cape Sable, then to the mouth of the Shark River, up the Shark River through the Ten Thousand Islands to Everglades, and then along the Tamiami Trail, both west and east. The map of which I was sent a copy was most helpful. When additional copies are available, I should like to have them sent to Messrs. Doherty, Ritter and Fairchild.

This area has outstanding qualifications for national park status. It should be maintained as a water or marine park and a wide area should be taken in. Every effort should be made to keep this a primitive area. I think roads should not be built through it, but that the road which now goes down to the Middle Beach and the Cape Sable area, should be improved, and this region should be the southern entrance to the park. The northern entrance should be at Everglades. All visitors to the remote areas of the park should go by water. As few trails as possible should be built. These can be of simple construction, using elevated planks. This would avoid the mud with the change in tides, snakes, etc.

The protection of the park can be brought about by rangers with small boats, and by an autogiro. It is evident that the proper development of this park will not be costly and that the cost of its control and management can be kept down to figures that will be largely met by the usual reasonable entrance fees.

I need not describe the beauty of the mangrove forests, the unusual opportunities for education and inspiration as well as recreation, the marvelous bird flights, etc. These have been amply covered before.

The one thing that worries me most is the maintenance of a fresh-water supply into the upper reaches of the Shark and other rivers so that there will be no encroachment of salt-water. Such encroachment would destroy the most unique qualities of the park. This means that a wide area to the north must be kept in a virgin condition and that no cross canals interfere with the general drainage of water from Lake Okeechobee south.

It seems to me to need prompt action by Congress, so that large funds for the purchase of these lands can be obtained from private or state sources, and so that there will not be too many small areas to purchase. There is a tendency to bring into production land that should be allowed to remain in its primitive condition.

IN HONOR OF DR. ELIHU THOMSON

PRELIMINARY plans have been announced for a dinner on March 29, at which leaders in science, engineering and industry will honor Dr. Elihu Thomson, the distinguished engineer and inventor, upon the occasion of his eightieth birthday. The dinner is to be held at the Massachusetts Institute of Technology, of which Dr. Thomson was acting president from 1920 to 1922, and of which he is a life member of the corporation.

International in its significance, the dinner will bring together distinguished representatives of the electrical industry, to which Dr. Thomson has made so many important contributions, leaders from educa-

tional institutions, and officers of the various scientific academies, professional societies and technical organizations.

Preliminary plans for the tribute to Dr. Thomson provide for an afternoon conference on topics significant to the occasion. These include the historical development of the applications of electricity, the recent experimental trends and the latest theories of electricity and matter. In connection with this meeting, plans are being made for an impressive exhibit of many of Dr. Thomson's inventions and contributions in the electrical field.

The committee in charge of arrangements consists of the following:

Professor Dugald C. Jackson, head of the department of electrical engineering at the institute, *chairman;* Professor Gustav C. Dahl, of the same department, *secretary;* Dr. Charles G. Abbot, secretary of the Smithsonian Institution; Dr. James Rowland Angell, president, Yale University; Dr. William W. Campbell, director, Lick Observatory, and president, the National Academy of Sciences; Harry P. Charlesworth, vice-president of the Bell Telephone Laboratories, Inc., and president of the American Institute of Electrical Engineers; Dr. Karl T. Compton, president, the Massachusetts Institute of Technology; Dr. Harvey Cushing, Moseley professor of surgery, emeritus, Harvard University; Nelson J. Darling, manager, river works, General Electric Company; Alexander Dow, president, Detroit Edison Company; Dr. Paul D. Foote, director, Research Laboratory of the Gulf Production Pipe Line Companies; Honorable William C. Forbes; Professor Jeremiah D. M. Ford, Harvard University, president, American Academy of Arts and Sciences; Dr. Thomas S. Gates, president, University of Pennsylvania; Dr. George E. Hale, director, Mount Wilson Observatory; Nathan Hayward, president, the American Dredging Company; Dr. Frank B. Jewett, vice-president, the American Telephone and Telegraph Company; Dr. Arthur E. Kennelly, of Harvard University, president, the Union Radio Scientifique Internationale; John C. Lincoln, chairman, board of directors, the Lincoln Electric Company; Dr. Arthur D. Little, president, Arthur D. Little, Inc.; Dr. A. Lawrence Lowell, president, Harvard University; Dr. Roland S. Morris, president, American Philosophical Society; Dr. Calvin W. Rice, secretary, American Society of Mechanical Engineers; E. Wilbur Rice, Jr., honorary chairman of the board, General Electric Company; Andrew W. Robertson, chairman of the board, Westinghouse Electric and Manufacturing Company; Albert L. Rohrer, formerly of the General Electric Company; Clayton H. Sharp, vice-president and technical adviser, Electrical Testing Laboratories, and chairman, U. S. National Committee of the International Electrotechnical Commission; Ambrose Swasey, chairman of the board, Warner and Swasey Company; Gerard Swope, president, the General Electric Company, and Edwin S. Webster, president, Stone and Webster.

SCIENTIFIC NOTES AND NEWS

PRESIDENT HERBERT HOOVER has been elected an honorary member of the British Institution of Civil Engineers.

BRITISH New Year's honors included the title of baron, conferred on Sir Thomas Jeeves Horder, senior physician to St. Bartholomew's Hospital.

A MEETING in memory of John J. Carty, vice-president of the American Telephone and Telegraph Company, who died on December 27, was held at Rollins College on February 9. The speakers were Dr. Frederick P. Keppel, president of the Carnegie Corporation of New York; Thomas A. Watson, who was associated with Alexander Graham Bell in the invention of the telephone, and Dr. David G. Fairchild, of the U. S. Department of Agriculture. Dr. Carty was a trustee of Rollins College.

THE Cameron Prize of the University of Edinburgh has been awarded to Dr. George F. Dick, professor of clinical medicine at Rush Medical College, Chicago, and Dr. Gladys H. Dick, fellow of the John McCormick Institute for Infectious Diseases, in recognition of their work on the etiology and treatment of scarlet fever. The award is made annually "to a person who, in the course of the five years immediately preceding, has made any highly important and valuable addition to practical therapeutics."

JAMES ORR ELTON, since 1921 manager of the International Smelting Company at Salt Lake City, has been awarded the James Douglas Medal for 1933 of the American Institute of Mining and Metallurgical Engineers. The award, the highest in the metallurgical field, was established in memory of Dr. James Douglas, who was largely responsible for the development of copper metallurgy in Arizona. The medal was conferred on Mr. Elton for his work in the treatment of smelter fume and in the production of electrolytic zinc; for the development of methods for preferential flotation of lead-zinc-silver ores and oxidized lead-silver ores; and for improvements in lead smelting. Presentation of the medal will be made at a meeting of the institute on February 22.

THE council of the British National Institute of Agricultural Botany has awarded the Snell Memorial Medal for 1932 to Dr. Kenneth M. Smith, entomologist of the Potato Virus Research Station of the University of Cambridge. The medal is given to