

of a gift of \$200,000 made by Charles Lathrop Pack, of Lakewood, New Jersey, to the University of Michigan. This fund is to be known as the George Willis Pack Forestry Foundation in memory of the donor's father, and the income from it will be used by the school of forestry and conservation in carrying out the purpose of the foundation.

In establishing the foundation, Mr. Pack stated that the school of forestry and conservation was chosen as the medium through which to carry out his plans for the advancement of forestry in this field "on account of its prestige, its facilities for teaching the broad principles of all phases of practical forestry and its experienced staff."

The income from the foundation is to be used for the salary and expenses of an experienced forester to be known as the George Willis Pack professor of forest land management, and for such other expenditures as may be necessary in carrying out the purposes of the foundation. In accordance with the wishes of the donor, who is keenly interested in the practical application of forestry, it is expected that the holder of this professorship will devote the larger part of his time to furthering the practice of forestry in the woods rather than in the classroom. He may, however, assist in the instructional activities of the school, and will doubtless work particularly with graduate students. He will be expected to spend considerable time in travel in order to keep in close touch with forest conditions and practices in other parts of the country and to make the results of his experience as widely available as possible.

In commenting upon the gift, Dean Samuel T. Dana, of the school of forestry and conservation, stated that the income from the George Willis Pack Forestry Foundation will be used, in accordance with Mr. Pack's wishes, for two major purposes—to develop the wild land properties owned by the university, and to cooperate with forest land owners in bringing about the practice of forestry and more profitable methods of forest management of privately owned lands. "The University of Michigan," said Dean Dana, "has three small areas of forest land in the vicinity of Ann Arbor, which are used both as outdoor laboratories for the instruction of students and for investigative purposes, and which are already under careful management. In addition to these, the university owns approximately 6,300 acres of wild lands in the northern part of the state."

In making his gift, Mr. Pack pointed out that the Biological Station at Douglas Lake in Cheboygan County contains some 3,300 acres on which forestry measures can advantageously be undertaken to supplement the work already under way by the zoologists and botanists at the station. Situated within a few

miles of the city of Cheboygan and in the immediate vicinity of several summer camps and serving as headquarters for the biological station with a summer attendance of approximately one hundred students from all parts of the country, it is particularly well located for demonstration purposes.

Excellent opportunities for forest management are also offered by the Chase S. Osborn Preserve on Sugar Island in the St. Mary's River, presented to the university last fall by Ex-Governor Osborn. This tract of some 3,000 acres was burned perhaps fifty years ago and is now covered with a well-stocked second growth consisting of a wide variety of both hard and soft woods.

GIFTS TO THE SCHOOL OF FORESTRY OF YALE UNIVERSITY

YALE UNIVERSITY has announced three new gifts to the School of Forestry to be devoted to education, experiment and demonstration in applied forestry. The Charles Lathrop Pack Foundation given last year by Mr. Charles Lathrop Pack, of Lakewood, New Jersey, has been increased to \$325,000. A gift of \$100,000 to endowment has been received from Mr. and Mrs. Starling W. Childs, of New York. Mr. George Hewitt Myers, of Washington, is transferring to the school a tract of forest land in Tolland and Windham Counties, Connecticut, aggregating in area nearly 8,000 acres. These gifts, all closely related in purpose, constitute a new project, supplementing and greatly strengthening the work and facilities of the school of forestry in instruction and in advancing the knowledge and practice of forestry. Announcement is also made of the appointment of Mr. Nathan D. Canterbury, formerly State Forester of Louisiana, as director of the new Yale Forest, on the Charles Lathrop Pack Foundation.

According to Dean Henry S. Graves:

The new gifts will enable the school of forestry to extend its field activities, both in connection with the training of students and in providing demonstrations of practical forest management. The new forest is large enough for a practical operating unit and for the demonstration of all the various activities involved in the management of a wooded estate of this size and character. Protection from fire, maintenance of roads, trails and other improvements, cutting of timber under skilful methods, forest planting, marketing of forest products, administration of wild life and many other features of applied forest management will be demonstrated at the Yale Forest. The undertaking will give special emphasis to the training of students and experimentalism in applied forestry; it provides also for owners of forest estates to see the practical results of forestry.

The forest is located in the towns of Union, Ashford, Eastford and Woodstock, in northeastern Connecticut. It

has been protected for many years and is well stocked with hard woods, pine and hemlock. There is enough merchantable timber to permit economic forestry operations at once. The educational phases of the work on the forest will be progressively developed, as the details of administration of the property are perfected.

The director of the forest, Mr. N. D. Canterbury, graduated from the Yale School of Forestry in 1922. He has been associated with various enterprises, both in business and in public service.

THE CHILEAN NITRATE OF SODA NITROGEN RESEARCH AWARD

ABOUT two years ago the Chilean Nitrate of Soda Educational Bureau of New York made available an annual appropriation of \$5,000 to be distributed in the form of one or more prizes for outstanding research in this country and Canada on nitrogen in its relation to soil processes and plant growth. The above sum has been placed in the hands of the American Society of Agronomy, the award being administered by a special committee of the society.

The first awards were made in 1928. The committee held then that it was advisable to select older investigators whose previous work in advancing knowledge of nitrogen in relation to plant growth has been beyond question. Professor J. G. Lipman, director of the New Jersey Agricultural Experiment Station, Professor T. L. Lyon, chief of the soil department, Cornell University, Professor E. B. Fred, division of agricultural bacteriology, University of Wisconsin, and Professor F. T. Shutt, dominion chemist, Ottawa, Canada, were those selected. In connection with the announcement of the selections for 1928 the committee suggested that subsequently it would be appropriate to consider and perhaps even give preference to those younger investigators who have made recent contributions to the subject.

The second award, announced at the 1929 meeting of the society, was divided among three investigators, namely, Professor C. A. Mooers, director of the Tennessee Agricultural Experiment Station; Professor P. L. Gainey, soil bacteriologist of the Kansas Agricultural Experiment Station, and Professor S. A. Waksman, microbiologist of the New Jersey Agricultural Experiment Station.

In order to make clear the nature of the investiga-

tions that will be considered for the award in 1930 the committee feels that it is desirable to publish a brief statement at this time.

Investigations will be considered which deal with the physical, chemical or microbiological transformation of both organic and inorganic nitrogen in the soil, the absorption and utilization of nitrogen by plants and nitrogen fertilizer in any of its aspects. The committee will give particular attention to those contributions which have been published within the past year or two. Investigations of longer standing will also be considered provided the authors are still actively engaged in the work.

Investigations dealing with any phase of nitrogen in relation to soils and crops may be called to the attention of the committee either by an author himself or by any one else. The award, which may be made either to one or more investigators, will be recommended to the society, according to the judgment of the committee.

The committee takes this opportunity to solicit nominations of candidates for the 1930 award. The nominations should be made in writing and may be addressed to any member of the committee. Although it may be difficult to select the "most" outstanding contribution to such a complex subject as nitrogen in its relation to soils and plants, the committee hopes that it will at least be able to select one or more investigators who have made a notable contribution to the scientific understanding of the rôle of nitrogen in soils and plants. It is expected that the award will be used in such a way as to lead to still higher scientific activity.

The award is open to investigators irrespective of their connection with the American Society of Agronomy. The investigation may have been made at a university, state experiment station, government institution or privately.

R. W. THATCHER,
C. B. WILLIAMS,
W. P. KELLEY,
R. I. THROCKMORTON,
R. BRADFIELD,
S. A. WAKSMAN, *Chairman*

*Chilean Nitrate of Soda Nitrogen
Research Award Committee*

SCIENTIFIC NOTES AND NEWS

A BRONZE memorial plaque, picturing Mr. and Mrs. Thomas A. Edison, was unveiled at Fort Myers, Florida, on February 11, in celebration of Mr. Edison's eighty-third birthday. The plaque was erected in the

city park by a committee of civic workers and will be illuminated perpetually.

Dr. W. M. DAVIS, emeritus professor of geology at Harvard University, celebrated his eightieth birthday