



Annual Report 1921-1922

TO THE PRESIDENT OF THE UNIVERSITY:

SIR,

I have the honor to submit the following report on the progress and condition of the Arnold Arboretum during the year ending June 30, 1922.

On the morning of November 26th eastern Massachusetts was visited by a storm of frozen rain which was more serious in its injury to trees with deciduous leaves than any storm of this character in the state, of which there is an authentic record. The amount of rainfall varied in different parts of the region visited by the storm; and fortunately the Arboretum was on its extreme southern border.

A few branches were broken on nearly every tree growing east of the valley road, but west of this road few trees were injured. The Willows on the Arborway boundary were badly broken and much disfigured, but the vigorous spring growth of the trees has almost obliterated the injury. A few large Maple-trees were badly broken, but Birch-trees were the greatest sufferers and it has been necessary to destroy three or four of them. It has also been necessary to destroy one Linden-tree; and two and perhaps three Hickory-trees, and one or two Ash-trees are probably ruined beyond repair.

Work on the new Arboretum land between South Street and the railroad was begun during the year to prepare it for the Willow Collection. A new channel for the Bussey Brook has been made through the meadow and the water level has been lowered.

A substantial wire fence a thousand feet long has been built along part of the railroad location, for protection against boys and other trespassers, and a supply of peat has been dug from the meadow for use in other parts of the Arboretum, and replaced by ashes.

The Assistant Director, [Mr. E. H. Wilson](#), continuing the journey described in my last report, remained three months in India, during which he visited the Himalayan Forest Stations and Cashmere, and early in November, 1921, sailed for Mombasa to explore the forests which cover the high mountains of east tropical Africa and to visit Uganda. Leaving east Africa in January, 1922, he visited Rhodesia, Pretoria, Natal, Zululand and Cape Colony, receiving everywhere the same attention from Government officials, forest officers and the directors of botanic gardens which had enabled him to make his journey in Australasia successful. He sailed

from Cape Town on the 7th of April, and returned to the Arboretum in August, after spending three months in visiting English and French collections of trees.

In my next report I shall be able, I hope, to say something of the material gathered and the results obtained for the Arboretum by Mr. Wilson during the twenty seven months occupied by this journey.

The library now contains 34,322 bound volumes and 7,652 pamphlets, and 8,627 mounted and arranged photographs, 689 volumes, 269 pamphlets and 1,301 photographs having been added during the year. The most interesting additions of the year to the library are four fifteenth-century books, the *Herbarius zuteutsch*, the Herbarium of Apuleius Platonicus or Barbarus, and two works by Columella, *De cultu hortorum* liber xi. and *Ortuli commentarium incipit feliciter*, presented by Mrs. J. Montgomery Sears of Boston. With these additions there are now 20 Incunabula in the library.

During the year the herbarium has again received larger accessions than in any previous year in its history, 16,187 sheets having been incorporated. The Zabel collection referred to in my last report has been arranged and can now be consulted; and among other plants added to the herbarium during the year are 1,400 from North America, 1,250 from China, 1,000 from southern Europe and western Asia, 600 from Australia, 600 from the Philippine Island and Malasia, and 300 from South America.

The introduction of new plants into the United States, which has been considered from its earliest days one of the duties of the Arboretum, has been practically ended by the rulings of the Federal Horticultural Board, and its distributions of new exotic plants and their seeds in this country are now unimportant.

During the year 3,153 plants (including grafts and cuttings) and 1,050 packets of seeds have been distributed as follows: To the United States, 2,667 plants and 745 packets of seeds; to Porto Rico, 3 plants; to Canada, 33 plants; to Great Britain, 244 plant and 87 packets of seeds; to France, 170 plants and 39 packets of seeds; to Holland, 10 packets of seeds; to Germany, 47 packets of seeds; to Bermuda, 3 plants and 2 packets of seeds; to Jamaica, 3 plants and 2 packets of seeds; to Trinidad, 3 plants; to Australia, 21 plants; to Tasmania, 3 plants; to New Zealand, 3 plants and 12 packets of seeds; to Japan, 51 packets of seeds; to China, 51 packets of seeds; to Java, 1 packet of seeds; to Egypt, 2 packets of seeds; to South America, 1 packet of seeds.

There have been received 6,359 plants and 454 packets of seeds as follows: From the United States, 6,333 plants and 190 packets of seeds; from Canada, 16 plants; from Great Britain, 7 plants and 213 packets of seeds; from France, 3 plants; from Mexico, 2 packets of seeds from China, 49 packets of seeds.

Field instruction in dendrology was given to sixteen persons in weekly meetings during April, May and June at the Arboretum by Assistant Professor [J. G. Jack](#), who also gave

instruction in dendrology and arboriculture to thirteen special students, several of whom were registered at the [Bussey Institution](#). Nine of these students were Americans, one was a Canadian, one was Chinese, and two were from Japan.

It is of interest that the first book on the trees of China written in English by a Chinaman has been prepared and illustrated at the Arboretum by one of Professor Jack's former students.

During the year two numbers of the [Journal of the Arboretum](#) and fifteen *Bulletins of Popular Information* have been published.

I have again to record my thanks to the members of the Committee appointed by the Board of Overseers to visit the Arboretum, to the Trustees of the Massachusetts Society for Promoting Agriculture, and to other generous friends who have made it possible to maintain and improve the Arboretum and carry on its scientific activities.

C. S. SARGENT, Director.