

generally to be too poor even for Cactus, although a few discouraged looking specimens of *Opuntias* and a small *Echinocereus* were seen. In a few places *Lippia lanceolata* and *Lepidium alyssoides* were blooming bravely and plants of *Statice Limonium* were coming up. Along the banks of the river, however, one tree is abundant and conspicuous and serves to relieve the dreary monotony with its bright green foliage, This is *Tamarix gallica*, the Salt Cedar, a native of the Mediterranean region, which has been introduced and thoroughly established in this part of Texas. It lines the low banks of the river here for miles and appears to flourish everywhere along ditches and ponds or wherever there is a little moisture.

The list of woody plants here is a very short one; besides those just mentioned I saw a few specimens of *Condalia obovata* and *Lycium Torreyi*, and *Allenrolfea occidentalis* was locally abundant in flats and depressions.

---

### NOTES

#### The Arnold Arboretum during the Fiscal year ended June 30, 1928.

The Arboretum.—In Massachusetts the winter of 1927-28 will be remembered for its mildness and absence of heavy snowfalls and while ground covering plants suffered on this account the trees and shrubs in general were uninjured. During the autumn of 1927 and the spring and early summer of 1928 good rains fell and the Arboretum shows the benefit of two successive favorable years. It is many years since the plants have been so well favored. The Lilacs, which were severely pruned in the spring of 1927, made great growth and many of them flowered quite freely this year. The trusses of flowers were remarkably large but no increase in the size of the individual blossom was noticeable. This is rather curious since one would have expected increased size in the flower as well as in the flower truss and in the leaf itself. The Japanese Cherries at the Forest Hills Gate flowered as freely as usual, while the double flowering sorts on Bussey Hill were finer than they have ever been before. There is a difference of more than a fortnight in the flowering season of these two groups which adds greatly to their value in gardens. The collection of double flowering varieties on Bussey Hill is grafted on understocks of the Sargent Cherry (*Prunus serrulata sachalinensis*) and the trees clearly demonstrate the value of this species as an understock for the Japanese Cherries. The Crabapples, more especially the collection at the foot of Peters Hill, bore abundant blossoms and for the first time in the Arboretum the two plants of *Malus theifera* and two plants of *Malus toringoides* flowered freely. Heretofore, one of the plants in each case has enjoyed an off season. There was very little blossom on the *Kalmias* this year but the Hybrid *Rhododendrons* were better than usual. They wintered fairly well after having made a good growth the previous season.

The winter was marked by a very low snowfall and this had a disastrous effect on the dwarf evergreen plants familiarly called groundcovers. In



most of them the foliage was severely browned and not a few plants were killed outright. Heather (*Calluna vulgaris*) suffered badly in this respect and new plantations had to be made in the Shrub Garden. The *Davidia* on Bussey Hill bore a few blossoms for the first time. The bracts, however, were imperfect and gave but a poor idea of the real beauty of this tree. At Newport, Rhode Island, where the climate enjoys the influence of the gulf stream, the *Davidia* flowered amazingly this year.

In recent years the important work in the Arnold Arboretum has been finding proper space for the different collections so that the individuals might develop into worthy specimens. Last autumn rearrangement of the *Azalea* group on Bussey Hill and the spreading out of the many Chinese plants was undertaken. Near the Administration Building a planting of Crabapples and groups of the new Chinese Conifers were carried out. In a year or two this should make a very pleasing feature at the Jamaica Plains Entrance.

An important event of the year was the building of a new propagating house and pits and establishing a new nursery on the Bussey property. The Arboretum now has a model propagating plant and attached to the propagating house is a small pathological laboratory.

During the year 3964 plants (including grafts and cuttings) and 1518 packets of seeds were distributed in the United States, Cuba, Great Britain, Germany, Poland, Holland, Sweden, France, Canada, Nova Scotia, Russia, New Zealand, Australia, India and Czechoslovakia.

There have been received 4460 plants (including grafts and cuttings) and 419 packets of seeds from the United States, Cuba, Great Britain, France, Japan, Sweden, Canada, New Zealand, India, Germany, Greece, Holland, Denmark, and Manchuria.

Visitors to the Arboretum were more numerous than usual. On June 7, 1928 a delegation of ladies representing the Philadelphia Horticultural Society made a two day's pilgrimage. Artists, photographers and plant lovers in general visit the Arboretum in increasing numbers every year. The newly established bus service over the Parkway doubtless brings many additional visitors. Some 796 persons registered at the Administration Building. Among these were visitors from such foreign countries as Great Britain, Formosa, Japan, Holland, Denmark, China, Germany, Panama, South Africa, Palestine, Philippine Islands, Federated Malay States, Poland, France and Hungary. — E. H. W.

**The Herbarium.**—The Herbarium now contains 297,018 sheets, 11,196 sheets having been added during the time from July 1, 1927 to June 30, 1928. Among accessions approximately 1,850 plants came from North America, 1,600 from Europe and western Asia, 3,050 from China, about 650 from southern Asia and Malaysia, 850 from Australasia and 750 from tropical Africa. Among the more important single collections received may be mentioned 1,627 plants collected by J. F. Rock in northwestern China and northeastern Tibet; 1,465 plants from the United States



National Herbarium collected primarily by P. C. Standley in Central America; 589 plants added from the collection made by D. H. Linder in tropical Africa; 568 plants collected by J. G. Jack in Cuba; 1,384 plants received through the National Southeastern University at Nanking; 454 plants collected by E. J. Palmer in southwestern United States; 510 plants of Australasia collected by L. J. Brass; 346 plants of Greece collected by J. Mattfeld and 747 plants from Europe and western Asia received from J. Bornmüller.

There have been distributed from the Herbarium 11,863 specimens among thirty-nine institutions in the United States, Canada, Europe, Asia Australia and Africa. This is one of the largest distributions in the history of the institution.

Botanical exploration has been carried on in different parts of the world during the year. The most important expeditions are those to the New Hebrides and to Madagascar. The first named islands whose vegetation is still incompletely known are now being explored by Mr. S. F. Kajewski who left Australia at the end of January; this expedition is financed jointly by the Arnold Arboretum and the California Botanic Garden. At the beginning of June, Dr. H. Humbert, who already has made important contributions to the knowledge of the flora of Madagascar, started for this island accompanied by Dr. Charles T. Swingle to collect for the Arnold Arboretum and the U. S. Department of Agriculture. At the end of April Mr. Fang of the National Southeastern University of Nanking went to Kweichow and the adjoining regions of Szechuan on a collecting tour subsidized by the Arnold Arboretum. In Cuba Assistant Professor J. G. Jack continued the botanical exploration of the region near the Harvard Tropical Garden at Soledad during the months of February to June; for about six weeks, in February and March, he was joined by Mr. A. Rehder. Mr. J. E. Palmer started on his collecting tour in April and went first to Arkansas and eastern Oklahoma and then to various localities in southern Texas; in the Davis Mountains he supplemented the extensive collections he made there in the autumn of 1926. He also visited the Chisos Mountains and returned to the Arnold Arboretum beginning of July (see p. 153-187 for an account of these trips). In June Dr. C. E. Kobuski accompanied by Dr. J. T. P. Byhouwer made a short collecting trip to New Jersey and Pennsylvania. In Australia Mr. C. T. White continued his exploration of the Queensland flora in which the Arboretum participated. Early in September 1927 Dr. J. Mattfeld returned from his botanical tour to Bulgaria and European Turkey which was mentioned already in last year's report.—A. R.

**The Library.**—During the year the Library has added 590 bound volumes, 380 pamphlets and 558 photographs including 305 taken by Mr. J. F. Rock in northwestern China and northeastern Tibet, 75 taken by Dr. Mattfeld in Greece and 50 from the Rochester park department, making a total of bound volumes 37,736, pamphlets 8,939 and photographs 13,915,



together with about 250 unbound volumes. Of the 350 periodicals, bulletins and reports coming from all parts of the world 178 are received from botanic gardens, universities and other institutions, and societies in exchange for the *Journal* and the *Bulletin* of the Arboretum, and 25 by gift. About 100 books and reprints have also come from Russia and Lettland in exchange for Arboretum publications and herbarium specimens.

Over 1200 cards have been inserted in the catalogue of books, 600 cards in the catalogue of photographs, 550 cards for plates representing type specimens, and 2500 cards in the "Card-index of new genera, species and varieties of North and South American plants" published by the Gray Herbarium. In the manuscript "Index of illustrations and of new genera, species and varieties of ligneous plants since 1915," prepared at the Arboretum, 3778 cards were inserted bringing the total to 79,773. This Index is unique and makes available all references to new ligneous plants to date, exclusive of those published in floras.

The count of books bound is about 500 and of titles catalogued 900.

Though not a lending library over 100 books have gone out, chiefly as inter-library loans.

The number of inquiries coming to the Library has greatly increased during the year and ranges from requests for lists of books on certain subjects to verified references, photostat copies and the "best book" for a given purpose.

Mention of the more interesting accessions during the period from October 1926 to October 1927 will be found in the *Journal* for October 1927, and from that period to February 15, 1928 in the *Journal* for March, 1928. Among the works added since that date are:

WOCHENSCHRIFT für gärtnerlei und pflanzenkunde. Jahrg. 1-11, 1858-1868.

The LINDLEY library. Catalogue of books, pamphlets, manuscripts and drawings. 1927.—Gift of the Royal horticultural society.

PECHEY, John. The compleat herbal of physical plants. Containing all such English and foreign herbs, shrubs and trees, as are used in physick and surgery. And to the virtues of those that are now in use is added one receipt, or more, of some learned physician. By John Pechey, of the College of Physicians, in London. Printed for Henry Bonavicke, at the Red Lyon in St. Paul's Churchyard. 1694.

WILSON, E. H. More aristocrats of the garden. 1928.—Gift of the author.

FYSON, P. F. Madras flowers. 1912-14.—Gift of Dr. Lemon Uhl.

MASSART, Jean. Esquisse de la géographie botanique [With annexe]. 2. vol. Bruxelles. 1910.

REVUE bretonne de botanique pure et appliquée. 1920-27.

ZEITSCHRIFT für gartenbau; organ der Baltischen gartenbauvereine. Vol. 1-7, 9. Reval 1904-12.—Gift of Dr. Karlis Starcs. Only known copy in the United States.



- REVUE horticole de l'Algérie. Vol. 17-31. 1913-27.
- SIMMONDS, J. H. Trees from other lands for shelter and timber in New Zealand. Eucalypts. 1927. 104 plates.
- NEDERLANDSCHE kruidkundig archief. 1904-08, 1910-26.
- [ZABEL, Hermann. Catalogue of the botanic garden of the Forest academy of Münden, Germany.] N. P. [1869-1912?] MS.
- REVUE des eaux et forêts. Vol. 62-64. 1924-26.
- PECORI, Raffaello. La cultura dell'Olivio in Italia. 1891.
- KEW—Royal botanic gardens. Handlist of rock garden plants. 1925.
- Handlist of hardy monocotyledons. 1925.
- Handlist of herbaceous plants. 1925.
- Handlist of tender monocotyledons. 1915.
- Official guide to museums of economic botany. 1927.
- Popular official guide. 1928.
- Official guide to the North gallery. 1914.
- Illustrated guide. 1927.
- The wild fauna and flora. 1906.
- Selected papers. iii. Rubber. 1906.—Gifts of Dr. Arthur W. Hill.
- MIYOSHI, Manabu. Japanese cherries. 3 vol. Text and 2 vol. of plates.
- VALLOT, J. Essai sur la flore du pavé de Paris. 1884.
- NORTH, Marianne. Further recollections of a happy life. 1893.
- HEAD, George. Forest scenes and incidents. 1829.
- BATSCH, A. I. G. C. Beyträge und entwürfe zur pragmatischen geschichte der drey natur-reiche nach ihren verwandtschaften. Gewächsreich. Theil. 1. 1801. Photographs of pp. 19, 29 & 30 from copy in Universitäts Bibliothek at Jena.
- PRINCE, William. [Nursery catalogues.] Photostat copies of two broad-sides in possession of the New York agricultural experiment station at Geneva. They were printed in New York, the first reads "To be sosed (sic) by William Prince at Flushing-Landing 1771," and offers among other plants "English Cherries, Plumbs, Nectarines, Rasberries, Evergreen Trees and Shrubs, Timber Trees and Flowering Shrubs." The second was issued in 1790, with the addition of Roses.
- [FRÖLICH, Karl. Die alpenpflanzen der Schweiz. Lief. 1-10. Teufen. 1853-55.] 62 colored plates. No more published. Rare.
- A supplement to the Catalogue of the Library of the Arnold Arboretum will be published during the coming year.—E. M. T.



### Staff of the Arnold Arboretum, 1928-29

OAKES AMES, A.M., Professor of Botany, Supervisor  
ERNEST HENRY WILSON, A.M., Keeper  
JOHN GEORGE JACK, Assistant Professor of Dendrology  
ALFRED REHDER, A.M., Curator of the Herbarium  
JOSEPH HORACE FAULL, Ph.D., Professor of Forest Pathology  
KARL SAX, Ph.D., Associate Professor of Cytology  
ERNEST JESSE PALMER, Collector & Assistant in the Herbarium  
CLARENCE EMMEREN KOBUSKI, Ph.D., Assistant in the Herbarium  
ETHELYN MARIA TUCKER, Librarian  
KATHARINE TEASDALE ANDERSON, Business Secretary  
ELIZABETH DEAN BENNETT, A.B., Assistant in the Library  
LOUIS VICTOR SCHMITT, Superintendent  
WILLIAM HENRY JUDD, Propagator

---

### ERRATA

- Page 25, line 19 from below *for* var. *Rockii* *read* var. *Rockii*  
“ 29, between line 4 and 5 from below insert ALFRED REHDER  
“ 78, line 21 *for communus* *read communis*





Wilson, Ernest Henry, Rehder, Alfred, and Tucker, Ethelyn Maria. 1928.  
"Notes." *Journal of the Arnold Arboretum* 9(4), 187–192.  
<https://doi.org/10.5962/p.333858>.

**View This Item Online:** <https://www.biodiversitylibrary.org/item/33587>

**DOI:** <https://doi.org/10.5962/p.333858>

**Permalink:** <https://www.biodiversitylibrary.org/partpdf/333858>

#### **Holding Institution**

Missouri Botanical Garden, Peter H. Raven Library

#### **Sponsored by**

Missouri Botanical Garden

#### **Copyright & Reuse**

Copyright Status: In copyright. Digitized with the permission of the rights holder.

Rights Holder: Arnold Arboretum of Harvard University

License: <http://creativecommons.org/licenses/by-nc-sa/3.0/>

Rights: <https://biodiversitylibrary.org/permissions>

This document was created from content at the **Biodiversity Heritage Library**, the world's largest open access digital library for biodiversity literature and archives. Visit BHL at <https://www.biodiversitylibrary.org>.