

## EDUCATION AND OUTREACH

**T**HE HOYT ARBORETUM HERBARIUM is a resource for the public, for researchers, and for regional agencies such as Portland Parks & Recreation, Metro, and the Bureau of Environmental Services. Herbarium staff identify and verify plant species for the community and local government entities, and teach classes on plant identification, taxonomy, and morphology to Hoyt volunteer tour guides as well as to the general public.

## VOLUNTEERING AT HOYT

Interested in volunteering?

- TOUR GUIDES lead horticultural and natural history tours;
- VISITOR CENTER INFORMATION SPECIALISTS help visitors;
- WORK CREWS help maintain the Arboretum.

Opportunities range from one-time to long-term commitments.

For information, contact our Volunteer Coordinator: [volunteer@hoytarboretum.org](mailto:volunteer@hoytarboretum.org)

**HOYT ARBORETUM HERBARIUM**  
in the Bill deWeese Classroom  
4000 SW Fairview Blvd.  
Portland, OR 97221  
(503) 865-8733

HOURS: Monday through Friday  
9:00 a.m. to 4:00 p.m.

To access our herbarium, please contact:

Hoyt Arboretum Curator  
[Martin.Nicholson@portlandoregon.gov](mailto:Martin.Nicholson@portlandoregon.gov)

or

Hoyt Arboretum Herbarium Curator  
[Erin.Riggs@portlandoregon.gov](mailto:Erin.Riggs@portlandoregon.gov)



# Hoyt Arboretum HERBARIUM (HAH)



[www.hoytarboretum.org](http://www.hoytarboretum.org)

**H**OYT ARBORETUM IS PORTLAND, OREGON'S museum of living trees. At Hoyt we grow and exhibit trees and plants from around the world while educating the public and conserving vitally important plant biodiversity.

Through our live collection we conserve more than 165 families and 1,998 species—63 of which are globally threatened or endangered species. *Ex situ*, or off site, conservation allows us to protect endangered species outside of their natural habitat.

Hoyt Arboretum is a member of the American Public Gardens Association (<http://www.publicgardens.org>) and Botanic Gardens Conservation International (<http://www.bgci.org>).

We are also listed in the New York Botanical Garden Index Herbariorum (<http://sciweb.nybg.org/science2/IndexHerbariorum.asp>) (our code is HAH). Being part of this network connects our dried collection to the scientific world. Only collections that are permanent scientific repositories and actively curated are included in this index.



#### WHY DO VOUCHERS MATTER?

**V**OUCHERS ARE A STANDARD REFERENCE for determining a plant's provenance. They are also used to study climate change, biodiversity, extinction, disease, and evolution. Ecologists, geographers, conservation biologists, students, amateur botanists, artists and the general public rely on vouchers to inform their research. For instance, through our vouchers, Hoyt helps document endangered species and the geographic distribution of historic and current plant populations and gene flow to help understand and prevent extinction.

#### WHY AN HERBARIUM AT HOYT?

**A**N HERBARIUM IS A NATURAL HISTORY COLLECTION of vouchers—dried and pressed plant specimens that are mounted on paper and labeled with information about their origin (provenance) and identification. Scientists have created herbaria for the past 400 years as a way to document the earth's plant diversity. The Hoyt Arboretum Herbarium is one of some 3,400 herbaria across the globe. Today's herbaria collectively contain an estimated 350 million specimens.

At Hoyt we follow standard voucher protocol, using techniques and materials designed to preserve our specimens in perpetuity. Our goal is to create vouchers for Hoyt's wild collected tree species, the rare native plants at Portland's Leach Botanical Garden ([www.leachgarden.org](http://www.leachgarden.org)), and regional invasive and native species.

Taken together, our vouchers make up the Hoyt Arboretum Herbarium, a permanent reference library of preserved plant specimens that is available to the public and to researchers worldwide on site or at [www.hoytarboretum.gardenexplorer.org](http://www.hoytarboretum.gardenexplorer.org).

The Hoyt Arboretum Herbarium is a plant database that helps us promote the dissemination of botanical knowledge. The vouchers that constitute our herbarium are the foundation of the study of plant diversity and evolution.