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www.uidaho.edu/arboretum

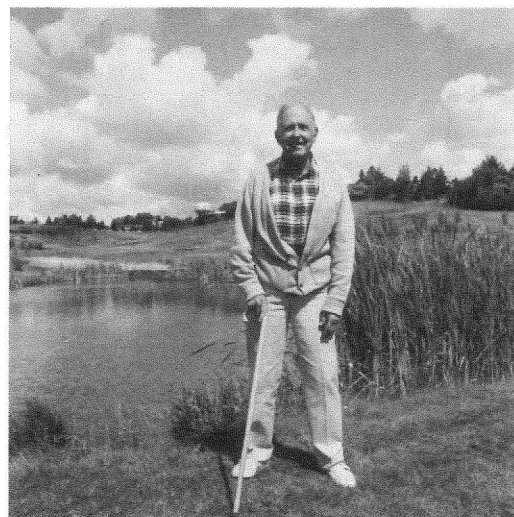
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Dr. Ernest Hartung Dies, Leaves Many Idaho Legacies

Dr. Ernest W. Hartung, 12th president of the University of Idaho, died in Florida, September 26, 2003, at age 86. He was president of the University of Idaho from August 1, 1965, to June 30, 1977. From July 1, 1977 to December 1981 President Emeritus Hartung was director of development and executive director of the University of Idaho Foundation, Inc. Shortly thereafter, he moved to East Greenwich, Rhode Island.

Ernest William Hartung, Jr. was born January 20, 1917, in Manhattan, New York. After earning his B.A. degree at Dartmouth in 1938 and his M.A. degree in 1940 at Harvard, he completed his Ph.D. degree in zoology at Harvard in 1942. Subsequently, he moved up through the academic ranks in teaching and research at the University of Vermont, Harvard University, and the University of Rhode Island. At Rhode Island he served as zoology department head, dean of the graduate school, academic vice president and provost from 1953 until he became the University of Idaho president.



Ernie Hartung's last visit to the arboretum, August 24, 1993. R. Naskali photo.

In his many UI accomplishments and talents Ernest Hartung befriended students and facilitated early programs of faculty governance. Many new buildings, including the ASUI Kibbie Dome, the Hartung Theater, the Menard Law Building, and Theophilus Tower, were constructed during his presidency. During his Moscow residency, he also was involved in public service; he was director of the Washington-Idaho Symphony for a period. Throughout his life, Dr. Hartung was a biologist at heart. After he left Idaho and returned to Rhode Island, he was a docent/volunteer at the Providence, Rhode Island zoo. Ernie Hartung's other talents included being a good story teller, silver-tongued orator, and consummate friend for life. Lesser known to the public was Ernie's passion for classical music; he listened, he attended concerts as time permitted, and played piano preludes, sonatas, etc. from memory.

Dr. Hartung was the facilitator for development of the UI Arboretum and Botanical Garden. In the spring of 1975, and with the concurrence of the UI Faculty Council Ad Hoc Committee on University Needs, President Hartung advanced the arboretum proposal to the University of Idaho Foundation. Subsequently, the Foundation adopted the Arboretum Project and permitted fundraising under Al J. Eiguren, Project Chair-

continued next page

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ARBORNOTES

A Newsletter of
the Arboretum Associates
University of Idaho
Arboretum and Botanical Garden

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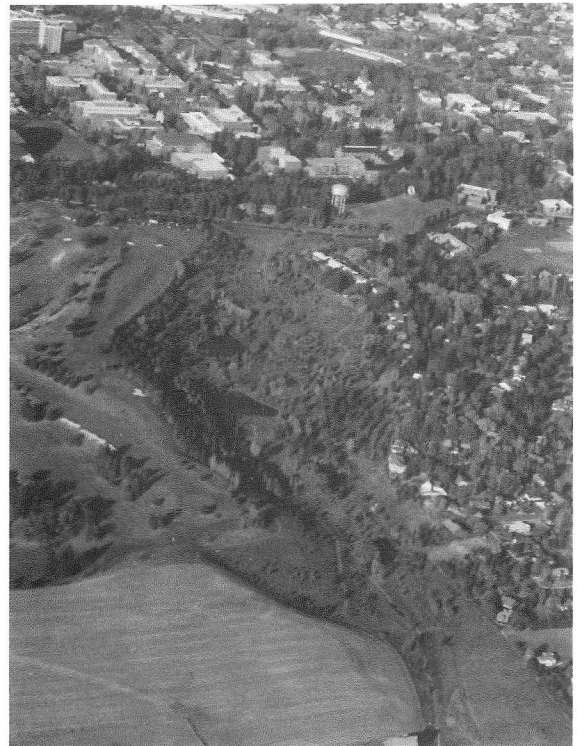
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APRIL 2004

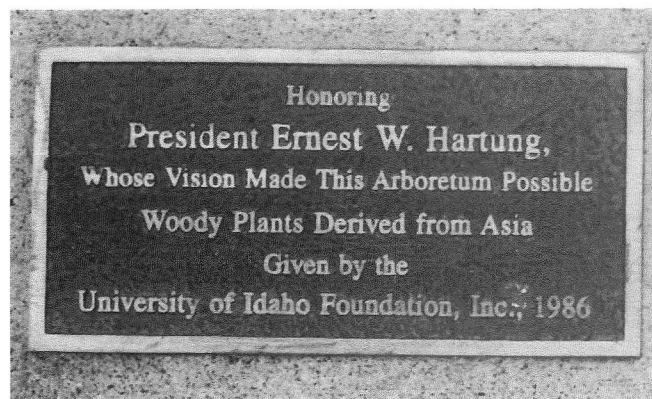
Ernest Hartung continued...

man. A campus committee, consisting of Chair Art Boe (horticulture), Richard Naskali (botany), Fred Johnson (forestry), William Snyder (landscape architecture), George Gagon (Physical Plant Director), and Sherman Carter (Financial Vice President) was appointed for arboretum studies and work in liaison with the UI Foundation Committee. The original UI Foundation Committee included Director Al J. Eiguren, President Hartung, Bruce McCowan, Bruce Sweeney, Milton Small, Carolyn Terteling, and Jan Schaumberg.



Aerial view of the arboretum, October 25, 2003. R. Naskali photo.

By late 1977, UI Foundation Director Hartung and others had solicited sufficient gift funds to contract the Richard Carothers and Associates design firm for master planning the 63-acre valley site for the "new" arboretum. After many public hearings, planning sessions, conferences, and committee meetings in Moscow, the Master Plan was completed, submitted, and accepted in 1980. The \$36,000 plan development costs were paid with gift contributions solicited by Ernie Hartung and UI Foundation members from scores of individuals, corporations, and service clubs. In the summer of 1978, Dr. Hartung assisted with the founding of the UI Arboretum Associates.



Dedication plaque for President Hartung's grove of Asian plants.

Easter weekend, April 10 & 11, 1982, marked the first planting of specimens in the "new" arboretum. On the rainy Saturday morning of April 10, members of Moscow Rotary Club planted dozens of trees and shrubs in the Asian section at the NW corner of the arboretum. The next day, Easter Sunday, Ernie Hartung helped me dig holes, plant, and water the specimens that remained from Saturday. He was unafraid of hard and muddy work.

On the rainy Saturday morning of April 10, members of Moscow Rotary Club planted dozens of trees and shrubs in the Asian section at the NW

Over the years after Ernest Hartung returned to Rhode Island, he periodically visited Moscow, the arboretum, the Arboretum Associates, and his many friends here. President Emeritus Hartung returned to Moscow to participate in the University Centennial celebrations in 1989. On May 12, 1989, he and President Richard Gibb co-planted a Bur Oak tree in the arboretum in a public ceremony to mark UI's 100th birthday and dedicate the Presidential Grove of 100 Eastern North American oak trees. In that grove are 13 species of Eastern North American oaks; each of the university's 13 presidents of the first century has been honored with an oak species in trees that number that president's number of years of service. In that grove are 12 Eastern White Oak (*Quercus alba*) trees, with a plaque, that recognize Dr. Hartung's presidency.

In 1986, the Ernest W. Hartung grove of trees and shrubs derived from Asia, given by the UI Foundation, was dedicated in the arboretum near the place where he helped with planting in 1982. The specimens in the Hartung grove include many crabapples, some conifers, ornamental quinces, and dozens of Forsythia cultivars. The spectacular yellow Forsythias—harbingers of renewal and springtime in March

Project as presented to the Foundation

NAME: University Arboretum and Campus Beautification

SPONSOR: Faculty Council Ad Hoc Committee on University needs, Committee members Fred Johnson and Arthur Boe

PRESIDENT'S RECOMMENDATION:
HIGH PRIORITY
EWH 28 May '75

President Hartung's authorization note to begin the arboretum project, May 28, 1975.

and April—will remain as one of the many tributes and reminders of Ernie Hartung's legacies in Idaho.

Dr. Hartung is survived by his daughter Kathy and sons John and Denny, all of whom live in the Pacific Northwest.

There will be a special recognition to honor Ernest William Hartung, Jr. at the Hartung Theater in Moscow at 5:30, Saturday, April 24, 2004. The public is invited.

Richard J. Naskali

Mark your Calendar – Upcoming Events

27th Annual Meeting UI Arboretum Associates Tuesday, April 20, 2004

Renfrew Hall Room 111 at 7 p.m. In addition to our annual business meeting the program will feature Dan Heims, President of Terra Nova Nurseries, Inc., a company noted for its new introductions to horticulture. Dan has spent the last 27 years deeply involved in horticulture. Dan's articles and photography have appeared in a number of magazines. Dan's garden has been featured in Sunset Magazine, Organic Gardening, and Better Homes and Gardens.

Bird Watching Tour Saturday, May 1, 2004

Join amateur ornithologist Terry Gray and emeritus arboretum director Richard Naskali at any one of four, one-hour morning walks in the UI Arboretum and Botanical Garden to see and identify songbirds and waterfowl that are migrating through the Moscow area. The four walks will start at the north entry to the UI Arboretum and Botanical Garden, opposite the UI President's Residence, 1260 Nez Perce Drive, Moscow, ID, commencing at 8 a.m., 9 a.m., 10

a.m., and 11 a.m. Bring your binoculars and rain gear if the weather is inclement.

South End Garden Tour Sunday, May 16, 2004

Join us for a tour that will highlight the additions that have been made to the south end of the Arboretum. The tour will include the Xeriscape garden – highlighting the many drought resistant plants that flourish in our area – along with the daylily and iris gardens and other features of interest. Meet at the barn at 1 p.m.

Arboretum Associates Plant Sale Saturday, June 5, 2004

Spring has arrived and it is time to start dreaming about the great additions to your garden that will be available at our plant sale in just two months. We have secured some unusual and spectacular plants. The sale will once again be in the ice rink at the Latah County Fairground. This is our largest fund raising project of the year. Look for further details on our website. Plant sale runs from 9 a.m. to noon.

Dan Heims, Acclaimed Nurseryman, to Keynote 27th Annual Meeting

Dan Heims, owner of the Terra Nova Nursery and an acclaimed horticulturist, will present the illustrated keynote program for the 27th Annual Meeting of the UI Arboretum Associates, 7:00 p.m., Tuesday, April 20, 2004 in Renfrew Hall 111. His illustrated program, "New Perennials from Around the World," is free and open to the public.

Dan, who initiated his wholesale nursery in western Oregon in 1991, has achieved international fame for the development of scores of garden perennial ornamental plants. Many are propagated by tissue culture in his innovative nursery.

Among Dan's many accomplishments, arguably the greatest public good is derived from his novel hybrids and mutant cultivars of plants that thrive in shade gardens. Variegated and vivid leaf colors and novel leaf forms abound in the scores of highly ornamental hardy perennials. Dan has incorporated many forest wildflowers into his hybridization programs. Wild species of *Heuchera*, *Tiarella*, *Podophyllum*, and other genera have been used in hybrids to develop dozens of new garden cultivars. Last August, for example, a Detroit News reporter wrote, "...Terra Nova is that hotbed of new plant introductions (406 to date) located outside of Portland, Ore., and is the workplace



Photograph of Dan Heims. Terra Nova Nursery photo.

and playground of Dan Heims world renowned plant breeder, collector and self-proclaimed horticulturist."

Some of his introductions from the wilds of temperate Asia are introduced for the first time in the North American garden trade. In addition, Dan has kept a keen eye on selecting, naming, propagating, and introducing forms that greatly expand gardeners' options—especially for building spectacular perennial borders. Dan's plants and fame have been widely publicized across North America, New Zealand, and Europe through his illustrated lectures for botanical gardens and garden clubs, written publications, plant testing at the Royal Horticultural Society gardens in the U.K., and commentary on

BBC radio, and television programs which include Home & Garden Television.

Dan's wit, commercial success, and international fame is partially attributable to his thoughtful and colorful selection and/or propagation of cultivars with official names such as 'Kaleidoscope,' 'Amethyst Mist,' 'Tie Dye,' 'Polar Splash,' 'Chocolate Ruffles,' and 'Monet Moment.' A perusal of Internet web sites will reveal a sample of this man's talents if you merely enter 'Dan Heims' or 'Terra Nova Nursery' into the Google or other Internet search engines.

Although Terra Nova Nursery is a strictly wholesale enterprise, Terra Nova Nursery plants are readily available at good retail garden stores and reputable mail-order sources. A small sample of some Terra Nova plant specimens will be on display for Dan's lecture program. Later, a number of his plant introductions, hardy in our USDA Hardiness zone 5, will be sold as part of the Arboretum Associates' annual plant sale, Saturday, June 5, 2004, 9:00 – noon, at the Latah County Fairgrounds Ice Rink.

The Dan Heims program will be presented after a short Arboretum Associates business meeting. After his program, refreshments will be served.

Richard J. Naskali



Terra Nova perennials for plant sale, February 27, 2004. P. Warnick photo.

Report from the Horticulturist

The snowy winter has prevented much outside work in the Arboretum. Labeling, record keeping, and planning occupied my time. Almost all of the plants in the arboretum now have individual accession labels. These are the credit card sized bronze tone aluminum labels that are hung on the north side of the plants at eye level. The plants that are not labeled are the evergreen trees on the west slope and a few isolated plants that don't have adequate records to accession.

I am also continuing to add more of the display labels on the high profile plants in the arboretum. These are the 3" x 5" labels on metal stakes in the ground by the plants. All of the plants that have adequate records are now entered into the Arboretum database.

There are now 4,547 individual plant records in the database including 1,609 separate taxa or types of plants. The database allows for virtually unlimited kinds of sorting or reports. For example it can tell us that there are now 627 plants in the European section, or it can list the 86 maples in the collection by their location, or the date they were planted, or where they originated, or any number of other possibilities. If anyone has questions or requests for information please contact me at (208) 885-5978 or by email at pwarnick@uidaho.edu.

Planning for new plant collections has been another winter activity. There are seven new collections of plants to be installed this spring. The new collections are: heathers, including more than 50 different cultivars and species, both summer and winter flowering plants; Asian maples, including seven cultivars of Japanese maples; Eastern North American deciduous azaleas; Northern Idaho wildflowers; a new crabapple grove; Asian *Chamaecyparis*; and Eastern North American hemlocks. Along with these new collections we will be adding a new bed to the daylily garden and several new plants to the xeriscape garden.

Planning has also included formulating and revising policies in the arboretum. The wedding policy has been completely revised, with full responsibility for any wedding on campus now being handled by Conference Services and Community Programs. The arboretum will continue to be paid a fee for any weddings in the arboretum depending on the size of the wedding, but all arrangements will now be taken care of

by Conference Services and Community Programs. A new policy for bronze plaques has also been developed to insure that all plaques are consistent. We continue to work toward formalizing a list of duties, responsibilities and authority so that everyone will know who to contact with questions about the arboretum. Before any major new developments will be done in the arboretum, a revised Master Plan needs

to be completed. The preliminary funding for this plan has been approved by the Arboretum Associates, and they are now working on deciding how the plan will be done.

As we work through this transition period after Dr. Naskali's retirement it is more important than ever that you continue your support of the Arboretum.

Please remember that all of the assets in the arboretum, plants, benches, labels, etc. are provided through the generosity of donors, and that your support demonstrates the importance of the arboretum to the University of Idaho and the community.

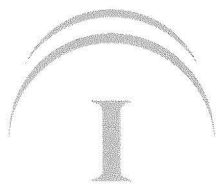
Paul Warnick



Accession Label. P. Warwick photo.



Asian Maple grove construction, March 25, 2004. P. Warwick photo.



ARBORETUM

Established 1980

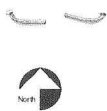
A geographically-based living museum of documented plants for study, learning, inspiration and beauty. You are cordially invited to visit.

There are currently 45 acres of developed plantings here in this arboretum. All of the plantings are arranged geographically. The plantings are arranged into four areas: Europe, Asia, Eastern North America and Western North America, depending on where the plants originated. At the south end of the arboretum we are beginning to develop an area of display gardens, including a xeriscape demonstration garden, and collections of iris, daylilies and heathers.

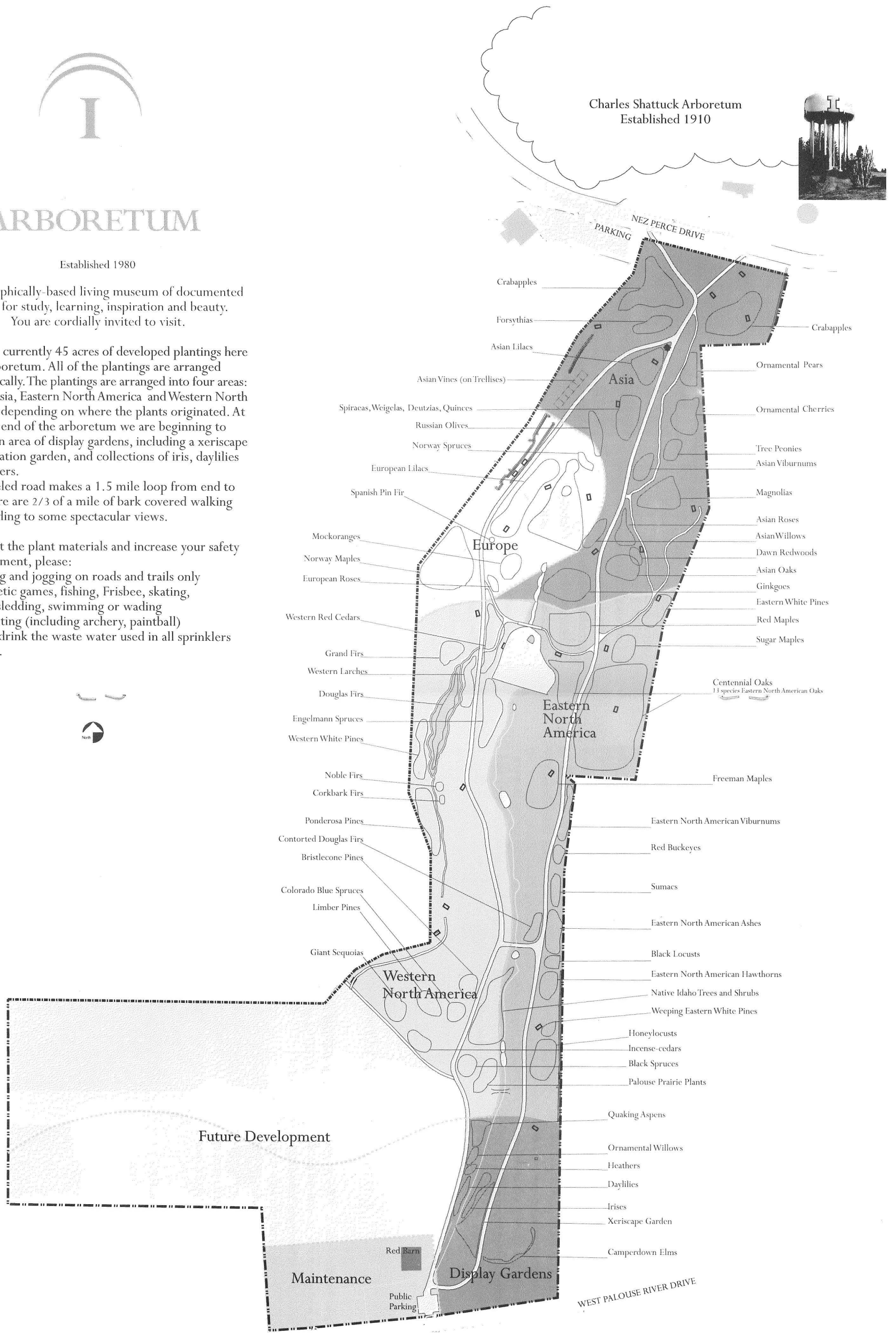
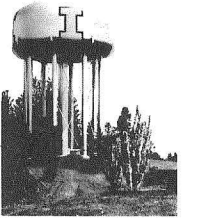
The graveled road makes a 1.5 mile loop from end to end. There are 2/3 of a mile of bark covered walking trails, leading to some spectacular views.

To protect the plant materials and increase your safety and enjoyment, please:

- Bicycling and jogging on roads and trails only
- No athletic games, fishing, Frisbee, skating, skiing, sledding, swimming or wading
- No hunting (including archery, paintball)
- Do not drink the waste water used in all sprinklers
- No pets.



Charles Shattuck Arboretum
Established 1910



South End Display Garden Tour

Sunday, May 16, 2004 1:00 pm

Meet at the barn at the south end of the Arboretum,
1200 Palouse River Drive.

Please join the Arboretum Associates for guided tours of the newly developing display gardens at the south end of the arboretum. The Iris garden which was planted last fall should just be coming into bloom, native wildflowers and other perennials will be flowering in the xeriscape garden, the new heather garden should be planted (weather cooperating), and the daylilies and willows will all be starting to grow.

The tour will demonstrate the different low water usage turf grasses in the xeriscape garden, along with strategies to have continuous flowering using a variety of low water usage perennials. We will show the different types of iris which will flower from early spring into the middle of the summer. There is even a group of bearded Iris which are able to re-bloom under the right conditions in August. Various Heath-



Xeriscape Garden Summer 2003. P. Warnick photo.

ers will have flowers virtually every month of the year, along with colorful foliage making a showy display year round.

The tour should demonstrate some colorful spring flowers along with plants and methods to have colorful flowers and foliage year round.

Plant Sale

Mark your calendar for the June 5, 2004 so you don't miss the best plant sale to ever to hit the Palouse. This year the Arboretum Associates plant sale will feature plants you might not be able to get anywhere else in the region. In addition to prize possessions being shared by area gardeners, we will be featuring six cultivars introduced by Dan Heims, featured speaker at the annual meeting. The sale will also feature some special selections from Bluestone Perennials.

Check the Arboretum website around mid May for a listing of the many plants that will be available. <http://www.uidaho.edu/arboretum/>

The plant sale is the major fund raising effort of the Arboretum Associates each year and supports the activities, plantings, and programs for the UI Arboretum & Botanical Gardens.

The sale will be held at the Latah County Fairgrounds Ice Skating Rink. Located off White Avenue near Safeway. The sale will begin promptly at 9:00 a.m. and run until noon.

So if you have been looking for some new and interesting plants for your garden plan to join us.



Arboretum Plant Sale, June 1, 2003. B. Bowler photo.

Presidents Message

At a recent meeting of the Arboretum Board of Directors we were discussing how to continue to build support and development of the University of Idaho Arboretum and Botanical Garden. One of the most common questions board members encounter is from members who are not sure if their membership has lapsed. The board agreed on two actions. The first is a program to send reminders to our friends who have let their membership expire and encourage them to renew.

The second is to explain membership policies. In general membership gifts are those made to Arboretum Associates. This does not include gifts made to specific funds for dedicated trees, benches, gardens or endowments. Membership gifts support general plantings in the arboretum, signs, publications such as ArborNotes, brochures and maps, the website, public tours and events, and other amenities

for the arboretum. In the past few years membership gifts combined with proceeds from fundraising projects such as the plant sale have been used to help with the purchase of equipment to support the maintenance and operations of the arboretum. During the coming year we have budgeted funds to assist with the development of a revised master plan.

Membership information is included on the back of each issue and also available at all events sponsored by the Associates. We would like to encourage all readers of ArborNotes to consider making a membership gift.

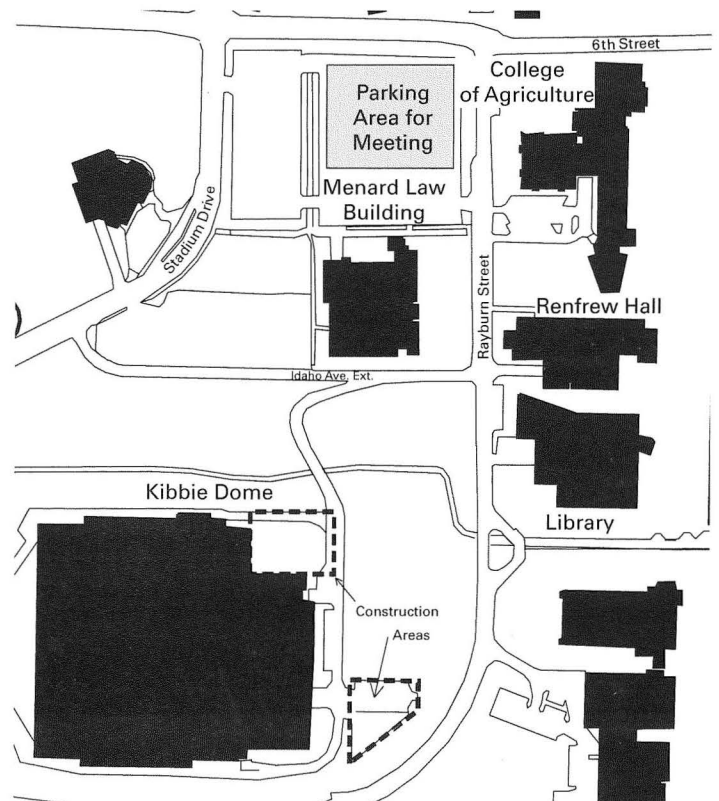
Also included in this issue of Arbornote is a new map of the Arboretum. This map will be an integral part of the new brochure being designed by Bill Bowler and sponsored by Arboretum Associates.

Joy Fisher

27th Annual Arboretum Associates Annual Meeting

The 2004 Arboretum Associates Annual Meeting will be held Tuesday, April 20th at 7:00 p.m. The meeting will be held in Renfrew Hall Room 111. Please note the change in venue and starting time from the last issue of ArborNotes. Parking is free and readily available in the UI Gold, Red, and Blue parking lots after 6:00 p.m. The lot nearest Renfrew Hall is south of the Menard Law Building and west of the Iddings Agricultural Science building off Rayburn Street on the University of Idaho Campus.

After a brief business meeting that will include the election Board of Directors members at large, the featured speaker will be Dan Heims. Dan is President of Terra Nova Nurseries, a company noted for its many new introductions to horticulture. The topic of his discussion will be "New Perennials from Around the World". Refreshments will be served after the presentation. Please plan on attending our annual gathering for what is sure to be an entertaining and informative event.



Three Spectacular Native Orchids in Latah County

Orchids have fascinated humans for millennia. Orchidaceae, the orchid family, is likely the largest family of flowering plants; in addition to over 30,000 native species distributed over all continents except Antarctica, tens of thousands of human-made hybrids have been made and registered since the 1850's. Dozens of new species are discovered, described, and named every year primarily from the tropics where orchids are most numerous.

In the Pacific Northwest there are at least 35 native orchid species, all of which are terrestrial growers. By contrast, most tropical orchids are epiphytes which grow on the aerial parts of other plants. At least half of the Pacific Northwest orchid species are native in Idaho where they typically grow in woodland habitats.



Fairy-slipper (*Calypso bulbosa*) orchid plant, May 24, 2003. R. Naskali photo.

In Latah county are three native orchid species which are especially attractive: *Calypso bulbosa* (Fairy-slipper orchid), *Cypripedium fasciculatum* (Clustered Lady's-slipper), and *Cypripedium montanum* (Mountain Lady's-slipper). Of these three, the *Calypso* orchids are the most numerous—to the extent that they are circumboreal. This same Idaho species can be found in boreal habitats in many countries around the Northern Hemisphere. In many places *Calypso bulbosa* plants are considerably rarer than they are in Idaho. Typically in Idaho, the Fairy-slipper orchids flower in mid-May after the enclosed flower bud has overwintered near the soil surface adjacent to the single green leaf. After fruiting and shedding of the tiny seeds, that leaf senesces and the cycle repeats for many years in undisturbed habitats.



Calypso bulbosa flower, May 24, 2003. R. Naskali photo.



Clustered Lady's-slipper (*Cypripedium fasciculatum*) plant with conifer pollen on the leaves, May 24, 2003. R. Naskali photo.

Mountain Lady's-slipper orchids are considerably less common in Latah County than are *Calypto* orchids. *Cypripedium montanum* orchids usually flower in Latah County, Idaho in early to mid-June. They are usually found in low numbers or singly; often they grow at shady glades in moist soils that are not water-logged. Individual plants are known to survive for decades. In Idaho, flowers of this Lady's-slipper orchid and its close relative *Cypripedium calceolus* (Yellow Lady's-slipper) have two impressively spiral-twisted petals on each flower; the third petal of each flower develops into the slipper-like pouch, or lip. Flowering plants of the Mountain Lady's slipper have one to four flowers per stem.

Plants of the Clustered Lady's-slipper orchid (*Cypripedium fasciculatum*) are considerably rarer than those of the Mountain Lady's-slipper. In Latah County, the Clustered Lady's-slipper orchid plants are short; the nodding, one-inch-wide flowers are borne singly or in clusters of 2 - 4 in late May or early June. Typically, these plants grow in moist soils in the deep shade under older hemlocks, red-cedars, or firs. There are records of Clustered Lady's-slipper plants living up to 90 years. In North America, the Clustered Lady's-slipper orchids are known to occur in ID, CA, OR, MT, WA, WY, CO, and UT. In all cases, this orchid is rare and considered "at risk" by most authorities. It and the Mountain

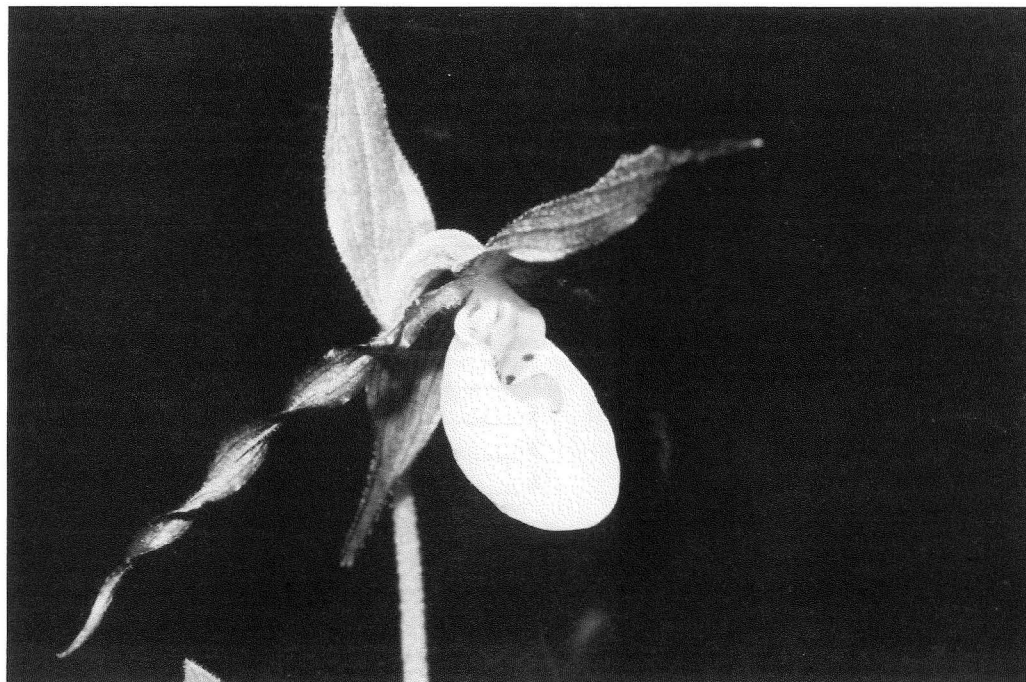


A cluster of Mountain Lady's-slipper (*Cypripedium montanum*) flowers, June 3, 2003. R. Naskali photo.

Lady's-slipper orchid are listed in Appendix II of C.I.T.E.S. (Convention on International Trade in Endangered Species).

In the 1960's, Idaho citizens were among the first in the U.S.A. to become concerned about wildflower conservation. Subsequent to early state laws about picking and digging specific native wildflowers, laws have been amended or legislated to protect wildflowers. In the current state codes, laws 18-3911, 39-3912, 39-3913, and 18-3914 are in effect in respect to Idaho wildflowers. In addition, the Idaho Department of Fish and Game is charged with issues of native plants. See the IDF&G web page for details (<www2.state.id.us/fishgame/info/cdc/plant.htm>).

Richard J. Naskali



One flower of Mountain Lady's-slipper (*Cypripedium montanum*), June 3, 2003. R. Naskali photo.



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