

ARBORNOTES

A Newsletter of the Arboretum Associates

December 2017

The Arboretum: All Seasons for All Reasons

The changing landscapes and aesthetic qualities of the Arboretum across the seasons provide endless opportunities for solitude and reflection, or for meeting friends and families for a picnic, a casual stroll, or a vigorous hike. Beauty in the Arboretum comes in many forms, including spring blossoms on exotic and native plants, reflections on its two ponds, early snow on fall colors, or its diverse array of resident and migratory birds and other wildlife.

However, many visitors may be unaware of how many additional uses and benefits the Arboretum provides. In 2017 alone, Arboretum horticulturist Paul Warnick received at least 20 formal requests to participate in a wide range of educational, recreational, and research activities in the Arboretum. Requests and uses involved botany, dendrology, geography and remote sensing, art (such as photography and painting), limnology (aquatic ecology), recreation, engineering, yoga, forestry, music and the performing arts, ornithology, animal science, and various other science education opportunities, including a series of children's hands-on "Science Saturdays" during the summer months. The location of the Arboretum facilitates many opportunities, being close to the Palouse's two major universities, situated on the southern edge of the University of Idaho campus, just eight miles from Washington State University in Pullman.

While the purpose of the Arboretum is in part to provide living "museums maintained for the acquisition and proper curation of a living collection of native and introduced plants hardy in the Inland Pacific Northwest", it also serves to develop, curate, and maintain a diverse collection of cultivars and species of known origin, while emphasizing botanical variation and genetic diversity. Consistent with the central mission of the Arboretum, requested botanical ventures undertaken during 2017 involved collecting white pine seeds, tree clippings for wood charcoal analysis, sampling root fungus to facilitate cultivation of morel mushrooms, a seasonal culinary



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ArborNotes

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

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favorite of the region, and generating plant and tree species lists and sample collections for tissue culture development.

These and other activities are perfectly aligned with the educational goals of the Arboretum, which are to:

- Provide a site for instruction in botany, horticulture, forestry, landscape architecture, environmental sciences, and other fields related to the living collection;
- Encourage authorized research in fields such as plant hardiness, systematics, and hybridization;
- Educate the public through field trips, lectures, and tours; and
- Provide to the public a restful, beautiful environment for the purpose of

gaining knowledge and appreciation of the importance of plants.

According to Dan Johnson, former Arboretum Board member, tree physiologist, and UI assistant professor in the College of Natural Resources, “the Arboretum provides a wide array of species for studying trees and their characteristics during the important biological transition



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periods from leaves on, through color change and leaf drop. It provides an invaluable natural laboratory to study many aspects of dendrology”. Nearly every week during the fall, Dan takes some 60 dendrology students to the Arboretum as a living classroom, to study and discuss a wide array of species. “It’s a great place for students to study because all the tree species and specimens are tagged with their common and scientific names, which contributes to its value as a natural lab or classroom”. Its campus location makes it ideal for this and other botany or forestry classes, since the nearest alternative, the UI Experimental Forest, southeast of Princeton Idaho, is 45 minutes away and contains only native species with much lower plant and tree diversity. Johnson added that “without the Arboretum, I wouldn’t be able to teach about any of the non-native or Eastern species”, which encompass about 30 to 40% of species discussed in his dendrology classes. “Another convenient feature of the Arboretum is how the trees are organized by geographic region of origin” Johnson added, a valuable feature that helps students learn about tree communities from different parts of the continent or the world.

During the seemingly longer and hotter recent summers on the Palouse, a region known for limited local lakes and streams, the two ponds in the Arboretum provide some local solace for humans, animals, and birds alike. Whether relaxing between classes with a good book, meeting for a first date, or having a family picnic on the water's edge, the ponds provide a cool, colorful, and shady alternative to the surrounding wheat fields of the Palouse.



Photo by Terry Gray

They also provide valuable teaching opportunities for routine water sampling and aquatic invertebrate community studies for limnology or aquatic ecology classes. They recently provided an opportunity for UI undergraduate civil engineering students to design, build, test, and refine mechanical devices to harvest *Azolla*, a floating green plant similar to duckweed that accumulates particularly on the lower pond during summer.

Dr. Frank Wilhem, an associate professor in the College of Natural Resources, has been bringing his wildlife tracking class to the Arboretum, where students were recently looking for birds and learning how to triangulate the location of a radio collar, common techniques used in animal telemetry, movement, and habitat use studies. Students from the UI Geography 100 class were also recently using the Arboretum according to Paul Warnick, who suggested a rough estimate of perhaps 250 current Environmental Science students at the UI. In discussing use of the Arboretum across classes and curricula, perhaps somewhere near one-third of all students may be involved in some sort of educational activities in the Arboretum.

Another unique feature resulting from the diversity of vegetation communities in the Arboretum is the array of resident and migratory avian and wildlife species. The varied terrain of the Arboretum provides multiple habitats, from the naturalistic forested slopes on the west side, to the aquatic areas around the ponds, to the more manicured areas of the Butterfly and Xeriscape Gardens at the south end of

the site. Since physical habitat and vegetation community diversity supports biodiversity, lucky visitors may see muskrats, raccoons, coyotes, deer, and even an occasional moose, along with various native reptiles and amphibians, and up to 166 officially recorded bird species. In fact, the Arboretum is listed as a 'hot spot' for birdwatchers on eBird, an international database for bird sightings sponsored by the Cornell Lab of Ornithology and the National Audubon Society. Currently, the Arboretum is the second 'hottest' birding spot in Latah County, after Spring Valley Reservoir, east of Troy, which has the highest number of confirmed bird species in the county at 183.

In addition to the biological sciences, the Arboretum also provides an excellent site for pursuing painting, photography, the performing arts, yoga, and musical performances. On an unexpectedly cool July day this past summer, the Arboretum provided the perfect backdrop for the 17th annual outdoor concert featuring local musicians and composers, entitled "Summer Breezes and Sweet Sounds." A favorite local community musical event, the widely acclaimed summer concert series organized by the Arboretum Associates and the UI's Lionel Hampton School of Music features dozens of performances each year across a wide range of musical genres. According to Dan Bukvich, UI Professor of Percussion and Theory and Director of the UI Jazz Choirs, one of the unique features of this annual event is that it allows for unusual musical creativity in a pleasant setting with "no power [electricity] and no pianos", enabling the sounds and harmonies of vocal and instrumental music and the spoken word to drift through the magical wooded setting.

Overall, the Arboretum provides a great suite of opportunities tailored to the wide range of interests of its visitors. A recent survey of 534 visitors revealed that 476, or almost 90%, were either satisfied or very satisfied with their Arboretum experiences. So whether you need a new event in your daily routine, have a break between classes, need a place to take out of town guests, or want a great place to unwind, reflect, jog, or hike, the UI Arboretum provides the ideal location for all seasons and all reasons.

Paul Anders



Photo by Terry Gray

Arboretum Associates Celebrate 40th Anniversary with Community Art Show

Arboretum Associates celebrated their 40th Annual Meeting on April 12, 2017, in conjunction with a community art show at the 1912 Center and a presentation by local plein air artist, Aaron Cordell Johnson. The opening reception for the art show, entitled “Four Seasons in the UI Arboretum,” was crowded with Arboretum Associate members, artists, and their families. We were thrilled that 31 community artists submitted 60 pieces of art work for the show. Pieces ranged from stunning photographs taken in the Arboretum to beautiful oils and water colors and works inspired by the Arboretum including felted wool sculptures of geese, quail, fish and turtles. The artists donated 10% or more of their sales to the Arboretum, which resulted in a gift of \$165 to Arboretum Associates. Many thanks to Jenny Kostroff for her expert help with the art show; to the artists for their participation; and to the folks who purchased art work. It was a fabulous way to celebrate our 40th anniversary!

A short business meeting followed the artist’s reception. Kris Roby, President, introduced the current board members and thanked them for their service on the board and acknowledged all former board members in the audience, some of whom served on the board at the beginning of Arboretum Associates and were instrumental in the building of the road and ponds and first plantings in the Arboretum in the 1980’s. Joy Fisher reviewed the Treasurer’s report.

Elections were held and officers elected for two-year terms were: Kris

Roby, President; Bill Bowler, Vice-President; Sally Greene, Secretary; and Joy Fisher, Treasurer. Members at Large elected

were Nancy Sprague, one-year term; Paul Anders, three-year term; and Terry Gray, three-year term.

Arboretum Horticulturist, Paul Warnick, gave a report on the “State of the Arboretum” and reviewed the past year’s activities in the Arboretum and Botanical Garden as well as the Shattuck Arboretum including the successful removal of trees in the Shattuck infected with Mountain Pine Beetle.

Kris Roby



Calendar of Upcoming Events

APRIL 12, 2018

Arboretum Associates Annual Meeting

6:30 pm – 9:00 pm

Raffaella Sini & Roberto Capecci, faculty members in Landscape Architecture, will be speaking on their experiences competing in temporary garden installation festivals around the world

1912 Center, 412 E 3rd Street, Moscow

MAY 19, 2018

Arboretum Associates Annual Plant Sale

9:00 a.m. – 12:00 noon

Palouse Ice Rink, Latah County Fairgrounds

JULY 9, 2018

18th Annual “Summer Breezes and Sweet Sounds”

7:00 p.m. Bring your blankets and lawn chairs

Free Concert in the Arboretum



Painting by Aaron Cordell Johnson

Team Nemo – College of Engineering Student Project

You may remember the reddish green mat of weeds which covered the arboretum ponds last summer. The arboretum now has a new piece of homegrown machinery to roll them away. Commercial weed-clearing boats are expensive and dwarf the small ponds, so we (Bryan Barrett, Nicole Fletcher, Biological Engineering; Autumn Pratt, Sarah Willis and Stephen Waters, Mechanical Engineering) designed and built a miniature version. The project was part of the College of Engineering capstone program, in which senior students take on a real world design problem.

Before deciding to build a boat, we researched a variety of solutions for the weed overgrowth. Adding a bigger aeration system, changing chemical ratios, and building larger buffer zones were a few of the possibilities considered. Many promising ideas had already been tried with little effect in past years. The plan of a weed-clearing boat rose to the top as a sure-fire way to remove the growth immediately, and by removing the biomass, a way to reduce the nutrient overload which contributes to weed growth.

The boat is designed to have two possible working attachments: a plow to push weeds to shore, or a conveyor to scoop them into a basket on the boat. The user can

decide which to attach based on the growth conditions. The frames of the boat and attachments are made of lightweight aluminum, with buoyancy from inflatable pontoons taken off a paddle-boat. A quiet remote controlled trolling motor provides power.

As of this writing, the plow set-up is fully functional and has already been used to remove some weeds. The conveyor attachment is still undergoing modifications, though initial construction is complete. Another planned improvement is extension of the remote control range. The boat can either be run from on board (using an attachable seat) or remotely from the shore, but currently the remote range is not wide enough to cover the whole pond. Although in testing we thought it was most fun to steer the boat from on board, as a weekly chore it might lose its charm, and we think full remote control capability would be a valuable addition.

We learned a lot through this project - actually building our design taught us more than many hours of study could have. We're thankful to the Arboretum Associates for giving us this opportunity and bearing with both our successes and mistakes. We hope the boat not only clears the pond, but also gets the next group of students excited about engineering.

Autumn Pratt



Team Nemo photo



Team Nemo photo



Team Nemo photo



*Autumn Pratt,
photo University of Idaho Photo Services*

Identifying the Big Willows in the Arboretum

There are six large willow trees in two groups along the stream in the Arboretum. They are the only trees on the site that were growing before planting started in 1982. Willows are notoriously hard to identify, and as far as I know, no one had ever positively identified them before now. Walter Buechler, an internationally known expert on willows, contacted me last year. He was interested in sharing some of his extensive collection of willows, and he came up from Boise last fall with the first nine species to share. He followed that up with a return visit this October, with ten more species. The ten willows that he brought this year are all European species, native to boggy areas. He has them growing in a specially constructed bog in Boise, but we are going to try them in a naturally boggy spot in the European section of the Arboretum below the upper pond.

Both years we had a great tour, in spite of less than ideal weather conditions, and like most of my tours I ended up learning far more information than I imparted. The most important thing I learned this year was that after taking a sample and returning to Boise, he confirmed his identification of the old willows as Black Willow, *Salix nigra*. Ironically, that means that they just happen to be mostly correct in their geographical location in the Arboretum. *Salix nigra* is native to the Eastern United States, so four of the six trees are on the east side of the stream, putting them in the correct region, and the other two are only the stream width away.

Many people are surprised when I tell them that I think the trees are not really all that old. The first picture is from sometime in the late 1950's to early 1960's looking down at what is now the Arboretum from the top of the original I tank water tower. I cannot make out any trees, and it appears the entire area was cultivated. The next picture is from 1989, and the willows are visible, but much smaller; and the final picture is from today. My guess is that they showed up about the time the lower end of the Arboretum stopped being a farm, sometime in the 1970's.

Paul Warnick



Photo origin unknown



Dave Wenny photo



Paul Warnick photo

Record Crowd Delights In Summer Concert

A crowd of nearly 350 people covered the hillsides and grassy areas near the upper pond at the north end of the UI Arboretum to revel in the 17th annual “Summer Breezes and Sweet Sounds Concert.” The popular event, sponsored by Arboretum Associates and the UI Lionel Hampton School of Music, is free to the public. University of Idaho Distinguished Professor Daniel Bukvich, an internationally known composer and conductor and Director of the Jazz Choir, is the principal organizer of the concert. Each year, Bukvich produces an eclectic chamber program performed by musicians who include faculty, emeriti, students and community members. We are lucky to live in a community of exceptional musicians who are willing to give of their time and talents.

The concert featured solos by well-known area musicians Sean Butterfield, trumpet; Vanessa Sielert, alto saxophone;

Linda and William Wharton, cellos; Navin Chettri, traditional Nepalese drumming and singing; and student, Cheyenne Killian, flute. Ensembles included a UI/WSU brass ensemble, the Arboretum Chamber Choir, the Arboretum Percussion Ensemble and Gefilte Trout, a Klezmer band. Favorites among concert goers “of a certain age” were “Ode to Billie Joe,” (1967) by Bobbie Gentry; “Wave,” (1967) by Antonio Carlos Jobim; “The Days of Wine and Roses,” (1962) by Henry Mancini and Johnny Mercer and “Do You Know What it Means to Miss New Orleans,” (1946) by Eddie DeLange and Louis Alter. Audience members showed their delight with the concert by giving the musicians a rousing standing ovation after the “Finale: Deusi Bhailo” (2013) by Navin Chettri, performed by all musicians and singers.

Many thanks to Paul Warnick, Arboretum Horticulturist, and his staff for transporting people to and from the concert site. We look forward to another captivating concert on Monday, July 9, 2018 and we hope you will join us.

Kris Roby



Terry Gray photo



Terry Gray photo

Arboretum Associates Donor Roll

Thank you to the many generous donors who supported the University of Idaho Arboretum and Botanical Garden from July 1, 2016 to June 30, 2017. A total of \$39,042 was received from membership gifts, gifts for endowments that support the Arboretum, and gifts to support specific Arboretum projects. Your support makes a difference.

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Report from the Horticulturist

It seems like it has been a relatively uneventful year in the Arboretum. We did plant 288 new plants this year. That is actually one of the lowest numbers of new plants since I started seventeen years ago. Perhaps the most interesting of the new plants are two of the willows donated by Walter Buechler last fall. *Salix humboldtiana* is native to Argentina, and is the first woody plant in the Arboretum from the Southern hemisphere. I have always thought that as a geographically based Arboretum we should have a collection of trees and shrubs from the Southern hemisphere.

Unfortunately, there are not many commercially available, woody plants that originate there. *Salix safsaf*, another willow from Walter Buechler last fall, is native to Egypt, and is the first woody plant from Africa in the collections. Since neither of these two trees fit within the five existing geographical regions in the Arboretum, they were planted with an existing collection of 'Willows of the World' in the area designated as 'Display Gardens' in the Arboretum Master Plan. That area is essentially the entire south end of the Arboretum on both sides of the stream down by the barn.

A question that I am frequently asked is "Do you have much trouble with deer in the Arboretum?" Somewhat surprisingly, at least so far, the answer is no. I have seen deer across the road from the Arboretum and neighbors report that they often see them in their yards; but for whatever reason, they have not bothered the Arboretum. I have only seen one deer actually in the Arboretum, and she was in a pretty big hurry to get somewhere else when I saw her. I have never even seen tracks in the snow in the winter. Also, somewhat unexpectedly, we see more moose in the Arboretum than deer. This spring there was a young bull that hung around for several days. I was glad to see him finally decide to move on to somewhere wilder.

Donations to Arboretum Associates, along with funds raised from their annual plant sale, purchased two new pieces of equipment this summer and also paid for the materials to install two more phases of automatic irrigation. After 14 years of installations, we are now probably close to 90% complete with installing irrigation. We have gone from using up to forty nine hoses and sprinklers, down to five. Although we likely still spend nearly as much time as ever, maintaining and adjusting irrigation, the huge benefit is in

the uniformity and efficiency of application. The two new pieces of equipment purchased are a stump grinder that attaches to a Bobcat loader that the University Grounds shop already owns, and an aquatic weed plow, developed by a team of senior Mechanical and Biological Engineering students (see accompanying article, written by one of the students).



Paul Warnick photo

The plow worked very well and helped us keep the *Azolla* in the lower pond down to a bearable level all summer. We were only able to coordinate one time to use the stump grinder this summer, but it worked great, removing nine stumps in one morning. We are hoping for an open winter this year to get an opportunity to get some more removed.

This was the first year since I took over in 2003 that I did not have non-student seasonal crew member. That made keeping up with the routine maintenance a little more challenging when school was in session, both in the spring and fall. Fortunately, as has almost always been the case, I had a great crew this year. Darby Turnbull, returned for her second year and started the graduate program in Landscape Architecture, Douglas Peeples a second year graduate student in Landscape Architecture and David Gutierrez-Aguirre an undergrad in Landscape Architecture (do you see a theme here?), were great employees and they all went above and beyond to find time to work after school started in the fall.

It has been another good year for activities in the Arboretum. Annual activities like the Arboretum Associates plant sale and concert continue to draw large crowds. The fourth year of Science Saturdays was popular, and tours for various groups from out of town garden clubs, to day camps, to Master Gardeners draw a wide range of people to the Arboretum. One user group that seems to grow every year are people taking family photos—children throwing fallen leaves in the air seems to be a very popular theme. All of these activities are only possible because of generous donations to the Arboretum by individuals. Private support is what developed the site and it is what allows us to continue to add to and improve the collections every year. Thank you for all of your support (both monetary and moral support are greatly appreciated!)

Paul Warnick



Paul Warnick photo



Paul Warnick photo

Science Saturdays 2017

It was with the sentiments of poet Joyce Kilmer (Trees, 1914), that we focused our gaze on what the UI Arboretum and Botanical Garden does best this past summer. That is of course, teaching us about plants! The 2017 Science Saturday educational programs included a team-based plant identification puzzle, a series of hands-on lessons imparting insect and plant anatomy and vocabulary, and an exploration of the “wild” xeriscape garden.

The Key to Success

Longtime WSU professor and plant researcher, Bertie Weddell, led a large group of young plant taxonomists through the process of making and using a dichotomous key. She taught us the method as we sat on the south lawn of the Arboretum.

Like a choose-your-own-adventure novel, the key works by walking the user through a series of plant field marks. For



Will Boyd photo

example, if the plant has oval leaves, go to number 4. If it has lobed leaves, go to number 6. This process eventually leads to a correct plant identification further downstream, though it does take a bit of practice.

The students then broke up into groups and used a dichotomous key to locate certain plants in the xeriscape garden. By design, xeriscape gardens do not require



Terry Gray photo

supplemental irrigation. The Arboretum xeriscape garden includes desert plants such as rabbitbrush, prickly pear, and sagebrush, many of which are native to southern Idaho. As most of the children were brand new taxonomists the exercise started slow. By the end of plant hunt, however, teammates gelled and team strategy and focus had tightened. When a team located all their plants using the key, the puzzle pieces were assembled to reveal a unique plant sketch. Upon completion teams selected plant prizes to bring home. Weddell managed to introduce and develop several naturalist skills while simultaneously creating an opportunity for participants to practice team work and problem solving.

Learn more about Weddell's work, including *Conserving Living Natural Resources: In the Context of a Changing World* at the Center for Sustaining Agriculture and Natural Resources (CSANR) at WSU.

La Cucaracha

We were quite pleased to have doctoral candidate Kristine Peterson back again this summer to share her passion and expertise in insect morphology and identification. Peterson is continuing her study of the diverse matrix of island habitats present in the Craters of the Moon National Monument in southern Idaho. For this year's activity she led a smaller group of arthropod enthusiasts through a series of progressive activities designed to increase participants' knowledge of plant and insect parts and their appropriate vocabulary.

Participants sang and danced to the tune of "Head, shoulders, knees, and toes," while substituting in "Head, Thorax, Abdomen, Six Legs!" It was fun to see all of the little entomologists get into it, especially knowing that these jingles will stick with them for decades (evidenced by way too many TV commercials stuck in some of our heads). With these new songs in our heads we grouped up and were sent along on a scavenger hunt complete with plant identification cards. Teams used their new plant lingo to put words with the lovely blooms and rich vegetation present this time of year at the arboretum. Lastly, we were treated with microscopic and macroscopic views of some of the titans of the insect world. These included giant walking sticks and las



Terry Gray photo



cucarachas de Madagascar! La Cucaracha is truly a famous Mexican folk song. The cockroaches in Madagascar, however, are far from little. They look more like the photo shown on the left.

Our activity ended with a grand synthesis of these "frenemies," plants and insects. The tune of pollinators buzzed in the butterfly garden just behind us.

Turns out insects like walking sticks often mimic the dominant plant species in their habitat. This can give them an adaptive advantage, effectively camouflaging them from predators. At the end of the day, the take home message was crystal clear, insects and plants need each other. We also benefit greatly from these relationships by having complex ecosystems to study, food to eat, and beauty to relish.

The Wild Garden

Our good friends from PCEI rounded out our summer of monthly outdoor science activities for 2017. They stuck an A in the middle of STEM (science, technology, engineering, and mathematics) and gave our hydrophilic participants (aka not afraid of the rain) a bit of artistic fun to go along with their wild garden narrative and scavenger hunt.

After listening to the tale of Miss Rumphius and her lifelong quest of lupine propagation, we split up into groups to find plants that matched a set of descriptive adjectives. This proved challenging, even for the adults. We learned or re-learned that everyone interprets words differently based on their experience. Colors proved easy, but textures and shapes, which don't always match up so well in the natural world, made agreement difficult.

Participants then got their hands dirty transplanting some native perennial grasses to take home followed by a good sudsy cleaning with soapy bubbles at the bubble art station. By blowing paint infused bubbles onto paper, interesting shapes and textures developed, leaving behind botanically-inspired impressions.

Families went home with paintings, plants, and a renewed sense of the place where art and science intersect, that is, in our minds and in our wonderful University of Idaho Arboretum and Botanical Garden.

Will Boyd



Terry Gray photo



Will Boyd photo

Message from the President

It was a very good year for Arboretum Associates, especially our “signature events” including the 40th annual meeting, the plant sale, the concert, and Science Saturdays. There were record crowds at all events and we are grateful for everyone who attended. Celebrating our 40th anniversary in April provided a time to reflect on the remarkable progress that has been made in the Arboretum since the 1970’s. We want to thank all of you who helped with the master planning, plantings, fund-raising events, volunteer work, and service on the board from then to the present. Your hard work and monetary support have resulted in one of the best Arboretum and Botanical Gardens in the Northwest.

Kudos to Paul Warnick, Horticulturist, and his staff for doing an amazing job caring for the Arboretum and overseeing its development.

As the holiday season approaches, we wish you, your family and friends good health and good cheer. We are grateful for your past support of the Arboretum and we hope you will remember us in your year-end gifts by renewing your membership to Arboretum Associate or by contributing to the Centennial Endowment fund or to special projects in the Arboretum. You may use the form on the back of this newsletter or use the secure University of Idaho online gift form. Go to uidaho.edu/giving/make-a-gift, type in Arboretum, and numerous funds will appear including Arboretum Associates.

Best wishes in the New Year, we look forward to keeping you apprised of new initiatives for 2018!

*Kris Roby, President
Arboretum Associates Board*

Arboretum Associates Annual Plant Sale

Breaking with the long tradition of holding the plant sale the first Saturday after Memorial Day, the 2017 sale was held May 20th at the Palouse Ice Rink. Many shoppers over the years had requested the sale be earlier in the planting season, often lamenting that they had already purchased most of their necessary plants. While there were some inherent risks with the date change, the advertising crew, headed by Cort Northrup, did an excellent job of getting the word out far and wide. As it turned out, it was a risk worth taking. It may have been the very long winter or the wet, dreary spring but when the sun came out on that Saturday morning so did the shoppers. For an hour and a half of shopping madness plants were flying off the tables. When the volunteers could finally take a breath, we realized we were largely sold out. At final tally, the gross sales for 2017 were over \$9,300 and we received new and renewed memberships to Arboretum Associates as well as some gifts.

Our heartfelt thanks to Paul Warnick whose efforts provide an impressive array of healthy, beautiful plants for shoppers to choose from and to the many volunteers who make this festive community event possible. Without them it just would not happen. Finally, thanks to our faithful shoppers, many of whom show up every year to find new and exciting plant treasures and demonstrate their support for the Arboretum.

The 2018 Arboretum Associates Plant Sale will be held Saturday, May 19, at the Palouse Ice Rink, from 9:00AM until noon. As we learned this year, it pays to get there early. Looking forward to seeing everyone in 2018.

Jan Leander



Joy Fisher photo

University of Idaho

Arboretum Associates
875 Perimeter Drive MS 3143
Moscow, ID 83844-3143



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Renew your annual contribution to the Arboretum Associates for Fiscal Year 2018 and contribute to your favorite project fund. Contributors receive our periodic ARBORNOTES. Please mail your tax deductible contributions to: Arboretum Associates, University of Idaho, 875 Perimeter Drive MS 3147, Moscow, ID 83844-3143.

OR Renew your annual contribution using the secure University of Idaho online gift form. Go to uidaho.edu/giving/make-a-gift and search for "Arboretum Associates" when selecting a fund. **Thank You!**

Name _____

Address _____

City _____ State _____ Zip _____

Fund Contribution

Arboretum Associates \$ _____

Centennial Endowment Fund \$ _____

Other _____ \$ _____

Total Contribution \$ _____

MEMBERSHIP CATEGORIES

Active \$20 - \$49

Sustaining..... \$50 - \$99

Donor \$100 - \$249

Patron..... \$250 - \$499

Sponsor \$500 - \$999

Life Associate\$1,000 and above

Please charge my: MasterCard VISA

Card# _____

Expiration Date _____

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