



Newsletter of the Idaho Native Plant Society • Promoting Interest in Idaho's Native Flora

The 2020 Idaho Rare Plant Conference

By Beth Corbin, INPS Rare Plant Conference Chair

The 2020 Idaho Rare Plant Conference (RPC) was a highly successful meeting, attended by 78 registrants from several agencies and organizations across Idaho (and beyond). We met at the new Idaho Department of Fish and Game building in Nampa on February 25-27, 2020, fortunately just before the coronavirus pandemic shutdown hit. Our co-coordinators Anne Halford (Bureau of Land Management) and Jennifer Miller (IDFG) did a fabulous job of pulling together an excellent meeting. One of the roles of INPS is to maintain and periodically review and update the Idaho Rare Plant List. The Idaho RPC is the venue where this gets done.

Our first half day (Tuesday) consisted of introductions, a tribute to botanist Rob Bursik, and our keynote talk by Chris Davidson on his Flora of the World project. These were followed by informative agency updates from Karen Colson and Barb Schmidt (U.S. Fish & Wildlife Service), Mike Hayes and Jennifer Brickey (U.S. Forest Service), Lynn Kinter (IDFG), and Anne Halford (BLM). That evening there was a fun informal social at Fiesta Guadalajara Mexican restaurant in Nampa.

Wednesday morning brought great conservation talks from Kelly Hopping (a fascinating alpine worm story), Wallace Keck (Pinyon pine), Elle Kramer (Geodata), Michael Ottenlips (Lomatiums), and Rose Lehman (Monarchs). Throughout the conference, Holly Hovis lightened things up with short breaks of botany haiku, yoga, jokes, and riddles.

Wednesday afternoon we began the rare plant conservation ranking presentations. Rare plant ranking is a large part of the RPC. This year we

presented a record 98 plant taxa for ranking or discussion, thanks to the hard work of Rare Plant Working Group (RPWG) members. I gave a short overview of the ranking process that we use (NatureServe rank calculator), and we jumped right into ranking presentations, beginning with the Northern Idaho RPWG. Derek Antonelli, fearless leader of the Northern Idaho RPWG, coordinated (and presented) a multitude of rankings recommended by the working group. For each plant, a short summary of the RPWG's research findings on abundance, distribution, condition, and threats was presented, along with a recommended State ranking. There was a short group discussion (for questions or additional information) and a consensus rank was voted upon. This process allows us to cover a lot of plants at each RPC, with so much research, discussion, and coordination done at the RPWG meetings leading up to the RPC.

Our evening banquet was a tasty catered Thai dinner at the IDFG RPC site; the banquet speech by Dr. Jim Cane (USDA ARS Research Entomologist) on native bees was delightful and highly informative.

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Letter from the President

The Society in the face of Covid-19

I assume that I am not alone in trying to stare down discouragement as I see one summer activity after another cancelled due to the COVID-19 pandemic. Given my health issues, I, more than most, fully understand the need for limiting the spread of this virus. Quite frankly, as a high risk individual, this illness scares the bejeebers out of me. But, in spite of the necessities of social isolation, I deeply miss the opportunities that the Idaho Native Plant Society and other similar associations provide. Chapter field trips and other outdoor activities have been limited or completely cancelled. Our annual meeting was pushed back a year. Society service activities have been severely curbed. Even our ERIG grant program is being affected as grant recipients struggle to complete their proposed projects.

So, it was a great relief when, in spite of socializing issues, we held a very successful plant foray during this last week. Normal behaviors for such an event were put on hold. The participants tried to maintain social distancing practices. Many of us wore face masks. Chairs around the fire were spaced such that most of us could not feel the usual warmth. We traveled in a greater number of vehicles to prevent potential virus spread. It was a little different. But we were outdoors. We were hands-on with our favorite subject matter—native plants. We were part of a team making a difference as we documented the presence of plants in an under-collected region. We found unusual and possible new species. All in all, it was an absolute breath of fresh air. Thanks to those who put together this opportunity. You provided much more than just a foray.

Stephen Love
INPS President

Editor's Note

My name is Emma Casselman, and I am the new editor for *Sage Notes*. I'm currently a student at Boise State University studying Biology with an emphasis in Botany and Ecology, and a certificate in Technical Communications. Having completed three summers doing Sage Grouse Habitat Monitoring on Idaho National Lab, I have a particular fondness for the Sagebrush-steppe, but I'm looking forward to exploring the flora and fauna of Idaho's riparian and alpine ecosystems.

Thank you all for bearing with me as I learn the ropes of the editor position in these peculiar times. I have quite large shoes to fill, and Mike Mancuso, Jody Hull, Nancy Miller, and Caroline Morris have been instrumental in making *Sage Notes* possible.

I look forward to meeting all of you in the future—social guidelines permitting. Stay safe and enjoy the sunshine!

Emma Casselman
Sage Notes Editor

Fond Remembrance of Pahove's Mary McGown

By Caroline Morris, Cyndi Coulter, Ann DeBolt, and Michael Mancuso, Pahove Chapter

Pahove sadly lost a treasured long-time member when Mary McGown passed away on February 29, 2020, after a brief fight with aggressive cancer at the age of 70. Mary contributed insights and a broad environmental perspective to Pahove Chapter projects, making them more effective and fun.

Mary's 1982 move to Boise from Denver with her husband, John McGown, allowed them to live in a smaller city, near Idaho's natural beauty. Their two daughters were born while Mary was educating herself in many diverse fields: biology, landscape architecture, and a Ph.D. in Forest, Wildlife and Range Management. Wide-ranging skills brought her varied employment with a landscape architecture firm, the Idaho Department of Parks and Recreation, the City of Boise, Idaho Rivers United, and the Idaho Department of Water Resources, from which she retired as the State Floodplain Coordinator with a very lively party in 2013.

Mary especially enjoyed the meditative experience of walking tours, and did not limit herself geographically. She participated in many tours not only here in the US, but also in Ireland, Scotland, and England. Last year alone she visited and hiked in Bulgaria and Wales (one of few to walk that country's 170 mile length), then took a family "trip of a lifetime" planned by her accomplished daughters, Erin and Brenna, to South Africa, Botswana, and Zimbabwe.

Spare moments were often spent at the family's beloved cabin in Grandjean (fortunately not badly damaged by the recent earthquake). Here she was delighted by the fine bird watching opportunities. Mary taught a June



Mary at the 2015 Pahove Plant Sale. Photo by Cyndi Coulter.

2019 class on hummingbirds at the Idaho Botanical Garden that vividly demonstrated her deep knowledge and love for these birds.

Mary's talents and passion for wildlife, hiking and whitewater rafting also enriched her contributions to many Chapter projects. In 2019, her uncluttered, easy-to-follow landscape plan for the Pahove Planting Committee's native plant garden at the new Foote Park Interpretive Center near Lucky Peak Dam in Boise was implemented. Her people skills persuaded the Army Corps of Engineers site manager to donate, deliver, and place several large, attractive, lichen-laden boulders that truly enhanced the garden.

Mary shared her extensive volunteer activity and advocacy not only with Pahove, but with other community organizations, particularly other local environmentally oriented groups such as Idaho Rivers United, Sagebrush Steppe Master Naturalists, and many more. Pahove benefited greatly from Mary's work and enjoyed her active engagement that spanned decades.

Her family arranged a loving memorial service attended by devoted friends on March 4, 2020.

Another celebration of her life will occur when normal social interaction returns. Anyone interested in making a memorial donation should contact the Idaho Community Foundation, (208) 342-3535, directed to the McGown Family Fund, which will further support Mary's many dedicated environmental causes. •



Mary at Foote Park, 2019. Photo by Vicki Henderson.

Announcement

2020 INPS Annual Meeting Cancelled

The Sawabi Chapter Board met on a Zoom conference Monday, May 4. After a review of Governor Little's criteria for re-opening Idaho, we reluctantly decided to cancel the annual meeting scheduled for June 12–15 in Pocatello. We didn't see any way to have dinners, plant walks or museum tours using the recommended social distancing in the Governor's plan. There was also a concern for the INPS members who have pre-existing conditions, many of whom have stated that they wouldn't have attended for their own safety.

Susan Rounds of the White Pine Chapter has recognized the efforts that the Sawabi members have made to host the meeting and has recommended that the Sawabi Chapter host the Annual Meeting in 2021. Sawabi Chapter will happily take on the responsibility of the 2021 Annual Meeting and looks forward to next year, same time, same place.

Thursday morning the NIRP-WG wrapped up their ranking presentations, and the Southern Idaho RPWG (coordinated by Beth Corbin) followed with their presentations. The rankings continued into mid-afternoon, with ranking presentations by 11 different SIRPWG members all together. The afternoon concluded with an open discussion, critique, and closing remarks by INPS president Steve Love. That evening, a casual social at The Reef in Boise allowed more time for discussion and mingling.



INPS President Steve Love. Photo by Lynn Kinter.

Friday, February 28, there was an optional field trip at Hulls Gulch in the Boise Foothills, led by Barbara Ertter, to see early wildflowers and other interesting vegetation.

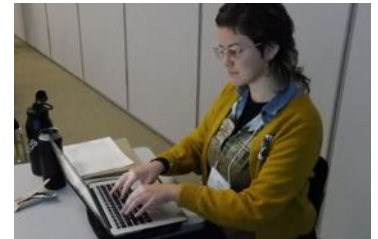
All in all, it was a great conference, put together by the faithful RPC committee and our tireless coordinators Anne and Jennifer. We learned a lot from a wide variety of conservation talks and several interesting poster presentations. We had ample networking opportunities over a fine array of tasty food at breaks and meals. And we made significant progress in updating the Idaho Rare

Plant List. In particular, we discussed and/or ranked 98 plants at this year's conference. Of that total, 41 plants are newly ranked and maintained on the list as Rare, 33 plants were ranked and newly added to the Rare Plant List, 15 plants were newly ranked and moved from Review to Rare, 2 previously ranked plants were re-ranked and maintained as Rare, 3 plants were dropped from the Rare Plant list, 2 dropped from the Review list, one was discussed but not ranked (left on Review), and one plant ranked and not added to the list. See Table 1 for a list of all plants discussed. The updated Idaho Rare Plant list will be posted to the INPS website shortly.

Many thanks to all who participated in a myriad of ways in this extremely important activity of the Idaho Native Plant Society. •



MCs Anne Halford and Jennifer Miller. Photo by Lynn Kinter.



Harpo Faust scribing. Photo by Lynn Kinter.



Opening session. Photo by Jody Hull.



Networking during a break. Photo by Lynn Kinter.



Lynn Kinter standing with the posters. Photo courtesy Lynn Kinter.



Danielle Trawick standing by her poster. Photo by Lynn Kinter.

...Photos continued on Page 6

Table 1: 2020 Idaho Rare Plant Conference Results**Newly Ranked, maintain Rare (41)**

Allium anceps, S2S3
Andromeda polifolia var. *polifolia*, S1
Aspicilia rogeri, S2S3
Astragalus bourgovii, S1
Astragalus yoder-williamii, S1S2
Botrychium ascendens, S1
Botrychium crenulatum, S1
Botrychium neolunaria (previously as *B. lunaria*), S1
Botrychium paradoxum, S1
Botrychium pedunculatum, S1
Camassia cusickii, S2
Carex californica, S2
Carex comosa, S2
Carex flava, S3
Carex incurviformis, S1
Carex livida, S3
Carex straminiformis, S3
Chaenactis cusickii, S1S2
Cladonia symphyocarpa (previously as *C. andereggii*), S1
Cymopterus douglassii, G3+S3
Gentianella tenella, S1S2
Geum rossii var. *rossii*, S1
Hierochloa hirta (previously as *H. odorata*), S2
Ivesia tweedyi, S2
Lysimachia europaea (previously as *Trientalis artica*), S3
Maianthemum dilatatum, S1
Mimulus hymenophyllus, S1
Mimulus patulus (previously as *M. washingtonensis*), S3
Mirabilis macfarlanei, S1
Muhlenbergia racemosa, S1
Musineon naomiensis (previously as *M. lineare*), S1
Numphaea leibergii, SX
Oxalis trilliifolia, S1
Parnassia kotzebuei, S1S2
Polystichum braunii, S2
Pyrrocoma radiata, S3
Ribes sanguineum var. *sanguineum*
Sairocarpus kingii, S1
Spiranthes diluvialis, S1
Texosporum sancti-jacobi, S2
Trifolium owyheense, S1

New to List, add as Rare (33)

Aliciella triodon, S1
Anacolia menziesii var. *baueri*, S2
Calypogeia integrispula, S1
Calyptridium roseum, S2
Crossocalyx hellerianus, S1
Diphasiastrum alpinum, S1
Eremogone loisiae, S1
Erigeron katiae, S1
Erigeron watsonii, S1
Isotes minima, S1
Juncus hemiendytus var. *hemiendytus*, S2
Lomatium andrusianum, S2S3
Lophozopsis longidens, S1

Nevada homgrenii, S1
Orthocarpus tolmiei ssp. *holmgreniorum*, SH
Orthotrichum pulchellum, SH
Phlox mollis, S2S3
Pinus monophylla, S1
Porella platyphylla, S1
Porella roellii, S1S2
Porterella carnosula, S3
Potentilla drummondii, S2
Potentilla gracilis var. *owyheense*, S2
Pseudobraunia californica, S1
Ptilidium californicum, S2
Ptilidium ciliare, SH
Targionia hypophylla, S2
Thalictrum alpinum, S2
Thamnobryum neckeroideus, S2
Triomaria exsecta, S1
Triomaria exsectiformis, S1
Utricularia ochroleuca, S1
Xanthoparmelia norchlorochra, S2

Newly Ranked, move from Review to Rare (15)

Anemone cylindrica, S1
Codriphorus varius, S1
Dendroalsia abietina, SH
Juncus bryoides, S2
Juncus hallii, S1
Juncus hemiendytus var. *abjectus*, S1S2
Juncus tiehmii, S1
Orthotrichum consimile, S2
Orthotrichum striatum, S2S3
Penstemon seorsus, S3
Porella navicularis, S1
Scapania apiculata, S1
Scapania bolanderi, S3
Thelypodium flexuosum, S1
Trifolium longipes var. *multipenculatum*, S1

Previously Ranked, Update and maintain Rare (2)

Argemone munita ssp. *rotundata*, S1
Pyrrocoma linearis, S3

Dropped from Rare (3)

Arabis sparsiflora var. *atrorubens* – not in Idaho
Lysimachia latifolia (previously as *Trientalis latifolia*) - S4
Minuartia stricta – not in Idaho

Dropped from Review (2)

Ericameria bloomeri – not in Idaho
Sedum rupicolum – not in Idaho

Not Ranked, leave on Review

Silene suksdorfii – additional collections need review

Considered for adding, Not added

Saxifraga hyperborea - S4



Kelly Hopping and her alpine worm story. Photo by Lynn Kinter.



Holly Hovis leading plant yoga during a break. Photo by Jody Hull.



2020 RPC Banquet. Photo by Jody Hull.



Barbara Ertter leads Friday foothills field trip. Photo by Jody Hull.

Chapter Report

Pahove Annual Native Plant Sale Moves Online

By Caroline Morris and Karie Pappani, Pahove Chapter

A Pahove Chapter keystone for decades has been its Annual Native Plant Sale, originating as a passion to share native plants from members' gardens that Ann DeBolt expanded for community access in 1989. The Pahove Chapter has aligned the sale appropriately with Earth Day, Arbor Day, and Idaho Native Plant Appreciation Week, which now takes place the third week of April, after Pahove petitioned the Idaho Governor's Office for a new botanical celebration. Coincidentally late April is also a perfect time for spring planting, with enthusiasm peaking for those eager to tend their vegetable and flower gardens across the Treasure Valley. Our Sale typically focuses on a conservation theme, such as the Year of the Bird, Plants for Pollinators, the Food Web, or the Benefits of Going Native.

Every aspect of our Sale, from the beautifully designed plant list and flyers, to the coordination of countless volunteers who help tremendously with organizing and display-

ing plants, is orchestrated by Susan Ziebarth, who has managed the sale for over 10 years. She masterminds the Sale and it wouldn't be what it is without her. This year's new online Sale was possible because of the following individuals: Vicki Henderson's technological skills and her husband Ed, who set up the online shopping platform; Paul Shaffer's website and IT support; and Ray Corbin's bright idea to use 'Square,' an easily adopted electronic payment system. All this industriousness enabled another successful, yet so different Sale. We developed an entirely new online-only-orders process, complete with stunning photos and descriptions of each plant and timed-order pickups to comply with social distancing goals that met the needs of both our masked volunteer delivery staff, and the public who were anxiously awaiting this year's Sale.

The Sale opened for members April 25-26. Before the next week's public Sale, we checked inventory and adjusted

our sales process. Many folks, including some drafted relatives, worked long hours, used new talents, and strained their brains to make the system what it is now. Thanks to them we were able to physically handle the many steps from vendor pickup, individually labeling each pot, and delivering to each customer spaced properly 6 ft. from us and the other buyers at the MK Nature Center parking lot.

Anticipating complications, Pahove bought about 25% fewer plants this year, and we sold most of those that were ordered. However, at least 3,000 new native flowers, grasses, shrubs, and trees are now enhancing Treasure Valley gardens and beyond.

A huge THANK YOU to all who made online ordering and curbside pickup a reality; other Pahove board members and countless chapter volunteers for their unwavering commitment over the years and their pleasant dispositions during the Sale's fun frenzy of flora; and to members and non-members who bought plants, encouraged their per-

sonal networks to buy, and cheerfully accommodated the Sale's new procedures. We hope to see you in 2021! •



A volunteer prepares a plant sale order for the online Pahove Chapter Plant Sale. Photo by Jody Hull.

Taxonomy Corner

Not All Coronas Are Sinister

By Michael Mancuso, Pahove Chapter



Narcissus sp. (Public domain photo)

Lately, it has become a consistent headline in the news due to COVID-19, a disease caused by a type of coronavirus that emerged from China in late 2019.



Asclepias syriaca (USGS Bee Inventory and Monitoring Laboratory, public domain photo)

Corona is one of those English language words with multiple definitions. Named for their appearance when viewed under a powerful microscope, the surface of a coronavirus is covered with crown-like spikes. This represents one definition for corona—a crown-like upper portion of a body part or structure. I first learned the word 'corona' as that luminous halo around the moon and sun caused by light diffracting through thin clouds or haze. Similarly, the corona is that aura of highly ionized gas that surrounds the sun and other stars, extending into space for vast distances. But corona is also a cigar with a long, tapering body and blunt ends; or in the parlance of architecture,

the top projecting part of a cornice (a type of decorative moulding on buildings). Corona has several medical connotations as well.

So perhaps it should come as no surprise that corona is also a botanical term—referring to petal-like or crown-like appendages between the petals and stamens in some flowers. Daffodils (*Narcissus sp.*), milkweeds (*Asclepias sp.*), and passionflower (*Passiflora sp.*) are some plant



Passiflora incarnata (USGS Bee Inventory and Monitoring Laboratory, public domain photo)

genera with a corona with which you may be familiar. In daffodils, the six petal-like tepals are surmounted by a cup- or trumpet-shaped corona that is often a contrasting color. The floral complexity of milkweeds is largely related to variations in the horn-shape and hood-shape coronas. In the milkweeds

the corona lobes function as nectar receptacles effectively serving to position an insect into proper alignment for removal or insertion of pollen (pollinia). The usually colorful and elaborate corona of a passionflower also serve to attract pollinators and guide them to a nectar source. Flowers can amaze us with their beauty and complexity. The presence of a corona only enhances this wonder. •

Moving the Stillinger Herbarium

By Ben Legler, Stillinger Herbarium Collections Manager, University of Idaho

Moving an herbarium is no simple task, especially one that contains 250,000 specimens occupying nearly 200 refrigerator-sized storage cabinets. That is the size of the Stillinger Herbarium at the University of Idaho, and yes, in 2019 we relocated to a new space on campus.

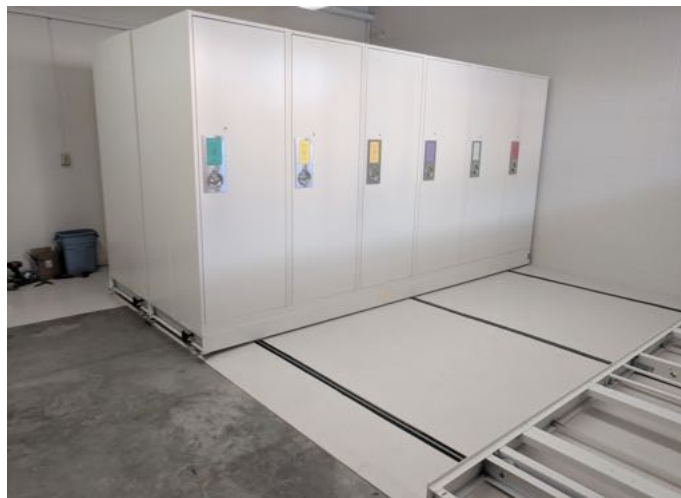
For readers not familiar with the Stillinger Herbarium, it is the largest herbarium in Idaho and serves as a repository for preserved specimens of vascular plants, bryophytes, fungi, and lichens. Together these comprise about 215,000 cataloged specimens (another 35,000 specimens await processing in our backlog), some dating back to the 1800s. The Herbarium's collections provide the most complete documentation of the flora of Idaho and are an important resource for research in floristics, systematics, evolution, ecology, and conservation. The Herbarium also supports education and outreach through courses, workshops, identification services, tours, and employment or independent research opportunities for students.

What did it take to move the Herbarium?

In our case, 1,300 cardboard boxes, many months of work, and the logistical and financial support of several departments across campus. Initial work began in 2018 when University Facilities personnel renovated several rooms in the Mines Building that had been previously used for processing geology and ice core samples; these rooms would become our future home. In January 2019, the surge of moving activity began as we packed the Herbarium's supplies and library of 2,500 books. By early February, these were placed in temporary storage and the daunting task of packing specimens began.



Herbarium assistants Pearl Brown, Harpo Faust, and Abby Hale celebrating after we finished packing the entire vascular plant collection into cardboard boxes. Photo by Ben Legler.



Installing mobile storage units and cabinets in the new Herbarium. Photo by Ben Legler.

Several ideas were floated for how to store the specimens while the cabinets were moved; after all, it's not like we had enough spare cabinets sitting around to temporarily hold all the specimens, and the cabinets could not be moved with specimens inside them. In the end, we decided to keep the specimens in the old Herbarium space, stored in 1,300 cardboard boxes stacked out of the way against walls until they could be transported directly to our new space. It took us an entire month to pack up the collection, after which contractors moved and re-installed our mobile storage system and cabinets into the new space in late February.

Thanks to the dedication of our student workers, herbarium staff and volunteers, we safely transferred all our collections to their new home, with the last of the specimens going back into the cabinets on April 3rd. It took another month to finish work on the rest of the new Herbarium, turning it into a functional work space with benches and bookshelves, but by mid-May we were fully moved in and able to resume normal operations.

Benefits of moving the Herbarium

Prior to the move, the Herbarium's collections were spread across three locations both on and off campus. This arrangement limited access and usage of the collections. Our new space allowed us to bring the collections back together into one place and increase the amount of working space for researchers and students, thus greatly improving accessibility. We also improved the collection's organization, freeing space for future growth; this gives us room to add 50,000-60,000 more specimens to our

vascular plant collection and accommodate foreseeable expansion in the bryophyte, fungal and lichen collections.

Activities following the move

Just as the herbarium move was wrapping up, herbarium staff, students, and associates began the active field season, collecting over 4,000 specimens across Idaho and beyond. Ongoing collecting helps expand the Herbarium's holdings and improves our still-incomplete documentation of Idaho's flora. Graduate student research plays a prominent role in the growth of the collections.



Graduate students Megan Ruffley and Malia Santos pressing specimens in the Selkirk Mountains of northern Idaho. Photo by Harpo Faust.

Harpo Faust obtained over 2,100 specimens as part of her floristic inventory of the Selkirk Range in northern Idaho. Ty Styhl led a field crew that collected about 600 specimens in association with a study on Greater Sage-Grouse diets. Dan Turck obtained 429 specimens from across the Pacific Northwest to elucidate the origins of our temperate rainforests. Sam McCauley collected species of *Diplacus* (formerly under *Mimulus*) for phylogenetic research. The Stillinger Herbarium also organized the 12th Annual Idaho Botanical Foray to the Idaho Panhandle during which the thirteen participants collected nearly 600 specimens (see article in *Sage Notes* Vol 41(3), September 2019). Ben

Legler, Collections Manager, focused on collecting aquatic species and introduced weeds in northern Idaho. Much of this field work, as well as general herbarium operations, are financially supported by the Stillinger Trust, enacted in 1972 through an endowment by Charles R. Stillinger, an avid botanist and Moscow landowner.

Highlights from the field season included Idaho state records for two native species, *Diphasiastrum alpinum* and *Utricularia ochroleuca*, collected by Harpo Faust, and twelve introduced species collected by Ben Legler: *Alisma lanceolatum*, *Allium vineale*, *Epilobium hirsutum*, *Galium palustre*, *Juncus inflexus* ssp. *inflexus*, *Lythrum portula*, *Nasturtium* × *sterile*, *Rubus allegheniensis*, *Stachys palustris* (European species, not our native *S. pilosa*), *Symphytum* × *uplandicum*, *Tragopogon floccosus*, and *Trifolium hirtum*. The high number of introduced species added illustrates the dynamic aspect of our state's flora as new species become established and spread.



Herbarium assistants Pearl Brown, Abby Hale, and Anna Green mounting specimens in the new Herbarium. Photo by Ben Legler.

The new Stillinger Herbarium quickly became an active place following the move. During 2019, we had nine part-time employees and two regular volunteers who helped mount 3,600 new specimens and image 4,500 specimens. The Herbarium hosted graduate students working on specimen identifications, evening plant identification work parties, several meetings of the northern Idaho Rare Plant Working Group, visiting researchers, and class tours. We held an Herbarium open house on November 1st to celebrate the completion of the move, drawing about 70 visitors and giving them a chance to see the new Herbarium, learn what goes on in an Herbarium, take a behind-the-scenes peek at the specimens, and even try their hand at mounting a specimen.

For those readers who would like to visit, you are welcome to stop by the Herbarium for a tour or to consult the collections; find us on the University of Idaho Cam-



Six Idaho state records found during the 2019 field season (left-right, top-bottom): *Diphasiastrum alpinum*, *Galium palustre*, *Lythrum portula*, *Tragopogon floccosus*, *Trifolium hirtum*, *Utricularia ochroleuca*. Photos by Ben Legler.

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Chapter News

CALYPSO CHAPTER

When: Meetings are the first Wednesday of March, April, May and October at 7:00 pm. Field trips take place during the spring, summer, and early fall months.

Where: Meetings are now being held in the Wildlife Building, North Idaho Fairgrounds, Coeur d'Alene.

Contact: Derek Antonelli, ds.ca.antonelli@gmail.com

LOASA CHAPTER

When: Meetings are held the third Thursday of each month at 7:00 pm.

Where: Taylor Building, Room 247, College of Southern Idaho, Twin Falls.

Contact: Bill Bridges, bridgesbill34@yahoo.com

PAHOVE CHAPTER

When: Meetings are held on the second Tuesday of each month from September–April at 7:00 pm. Dates, times, or topics are occasionally subject to change. Upcoming meeting information is sent to members via postcard or email. Events are also posted on the Pahove Chapter page of the INPS website.

Where: The MK Nature Center Auditorium, 600 S. Walnut Street, Boise.

Contact: For more information about activities please visit the INPS website, Pahove Chapter page or email Karie Pappani at pahove.chapter.president@gmail.com.

Upcoming Events

Due to the circumstances, all upcoming events planned for this spring and summer have been cancelled. A list of cancelled events is available on our Chapter webpage.

These events will likely be rescheduled. New times and dates will be posted online and announced via email.

September: Our annual season kick-off may be held in September at Idaho Botanical Garden, provided we are allowed to all meet in person again. Details TBD.

Board Position Opening

Pahove chapter is seeking a new board president. Current president, Karie Pappani, has served the chapter exceptionally for 8+ years, and the time has come to select her successor. Interested individuals are encouraged to contact the board at pahove.chapter.president@gmail.com.

SAWABI CHAPTER

When: Meetings are held on the third Monday night of October, November, January, February, March and May. Programs begin at 7:00 pm and refreshments are available afterwards. Each meeting begins with a short presentation on the plant family of the month.

Where: The Middle Fork Room of the Pond Student Union Building on the lower Idaho State Univ. campus.

Contact: Geoff Hogander, ghogande@yahoo.com.

UPPER SNAKE CHAPTER

Contact: Kristen Kaser, kaser.kristen@gmail.com.

WHITE PINE CHAPTER

When: Meetings are held once a month at 7:00 pm except during the summer. Field trips can occur most any month. Please check the chapter website at www.whitepineinps.org for events which may be scheduled or finalized after *Sage Notes* is printed; or email the chapter officers at whitepine.chapter@gmail.com.

Where: Great Room of the 1912 Building, 412 East Third St. in Moscow (between Adams and Van Buren).

Contact: INPS, White Pine Chapter, PO Box 8481, Moscow, ID 83843 or whitepine.chapter@gmail.com.

WOOD RIVER CHAPTER

When: Meetings are held on weekday evenings and wildflower walks generally on Saturdays. Times are announced in local news outlets and also in the chapter newsletter. Events are also posted on the Wood River Chapter page of the INPS website.

Where: Each meeting's location is noted in the announcement.

Contact: Subscribe to the newsletter by emailing Lisa Horton at 1gyppy2016@gmail.com. Address questions about programs to Kristin Fletcher at naturewalker7@gmail.com.

Upcoming Events

July 25: Mill Lake. This is one of the easier alpine lakes in our area to access. There's a flower-filled chest-deep meadow plus the beautiful small lake itself. Hike difficulty: moderate to difficult. 3.5 miles total with 1200' elevation gain and wading a stream crossing. You might want wading shoes and poles. Meet 8:30 am at Hailey Park & Ride Lot or 9:15 am at Lake Creek Parking Lot. Home around 2:00 pm.

August 21-23: Group Camp-out in Stanley Basin. This two night expedition is for Wood River Chapter members only. We will camp at Elk Creek campground next to a meadow full of flowers and wildlife. During the days we'll catch the shuttle boat across Redfish Lake to hike into the wilds at the south end of the lake, and possibly hike to Bridal Veil Falls off Stanley Lake—you'll get all the details after you sign up. Participants will be asked to pay their share of the actual group campsite fee for the two

nights plus the shuttle boat fee. Friday night potluck; other meals on your own. Sign up details in our newsletter. **September 19:** One Big Tree +. We're going out Fish Creek Road to look at those gargantuan aspen trees (possible state record!) followed by more fun stuff (details

TBA). We can finish up with a hot drink back at Silver Creek Store in Picabo. Meet at Hailey Park & Ride Lot at 9:00 am, or Silver Creek Store in Picabo at 9:45am. Home by 2:00 pm. •

Announcement

New Website Being Developed for Boise Front Wildflowers

Do you want to see descriptions and plant lists for self-guided wildflower trails in the Boise Front, find out more about the local flora in general, or just learn more about the unique natural history of the Boise Front? If so, keep an eye on <https://boisefrontnature.com>, being developed by Barbara Ertter, Paul Shaffer, Bob Gobeille, and other collaborators. Coverage at present is primarily public-access lands bounded by Highway 55, Mores Mountain, Arrowrock Dam, Bonneville Point, Blacks Creek Road, Blacks Creek Reservoir, and Hubbard Reservoir. Enjoy the site and keep checking for future developments!

Wildflower walks: Downloadable plant lists are available for all the wildflower walks that Barbara Ertter otherwise would have given this year. The walk descriptions are being expanded into self-guided versions, with priority given to the seasonally appropriate ones. Expect additional walks as time allows.

Photo galleries: At present there are four photo galleries; we hope to have others up before too much longer.

Species pages: A separate species page is being developed for each plant that occurs outside of cultivation in the defined area. The species list is still a long way from being finalized (especially for grasses and sedges!), but contains over 500 plants. Paul Shaffer has done an amazing job making the website work, including search pages and links.

Added note: Barbara Ertter's "Treasures of the Boise Front" Powerpoint presentation is now available on the Idaho Native Plant Society website under <https://idahonativeplants.org/native-plant-resources/>.

Herbarium...Continued from Page 9

pus in the Mines Building, rooms 116 and 117A. For additional information and an overview of the Herbarium by former curator Pam Brunfeld, visit our website at <https://www.uidaho.edu/research/entities/herbarium> or refer to *Sage Notes* Vol 33(3), September 2011. Our vas-

cular plant specimens are electronically catalogued, imaged, and are publicly accessible through the Consortium of Pacific Northwest Herbaria online database at <http://www.pnwherbaria.org/>. •



Herbarium curator Dave Tank (far left) showing fossil plant specimens during the Herbarium open house. Photo by Harpo Faust.



Visitors in our vascular plant collection room during the Herbarium open house. Photo by Harpo Faust.



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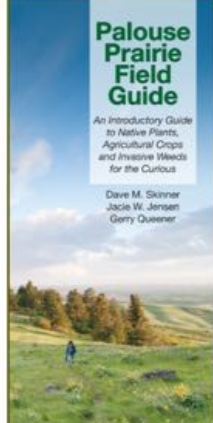

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