

Darlingtonia

SUMMER 2013
April-June

Newsletter of the North Coast Chapter of the California Native Plant Society
Dedicated to the Preservation of California Native Flora

A GARDEN MISTAKE: THE VIOLA INTERLOPER

by Carol Ralph

It's embarrassing. It's discouraging. It's unfortunate. It's a learning experience. Hopefully it's not an environmental disaster.

That violet I THOUGHT was the native *Viola adunca* is not. Meanwhile I have propagated it and taken it to sell at the chapter's plant sales, and it has spread happily around my yard and many other yards.



I've forgotten it's origin, though probably from a friend, not from a seed from the wild. I could distinguish it from *Viola labradorica*, the very purple-leaved violet that is in so many yards and all over HSU campus. In the universe of *The Jepson Manual*, it had to be *Viola adunca*. The descriptions of *Viola adunca* in various places allowed so much variation that anything could fit, even the whitish, rounded spur on the flowers of mine. Those spurs, however, bothered a sharp-eyed member of our plant sale team, who knew one name of this plant is "curve-spurred violet." WHAT IF it was a garden species not wild in California? It would not be in *Jepson*. What could it be? At the great gathering of plant expertise May 3-5 (the Spring Wildflower Show and the Native Plant Sale), an experienced gardener and field botanist looked at this violet. He said with assurance that it was NOT native, though it is often mistaken for *Viola adunca*. He has been pulling it out of his yard for years. He suggested it was *Viola riviniana*, the

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Find out what's happening:

- Visit our website:
www.northcoastcnps.org
- Visit our Facebook page:
<https://www.facebook.com/NorthCoastCNPS>
- Sign-Up for Activity Notifications by emailing:
NorthCoast_CNPS-subscribe@yahoo.com

FIELD TRIPS AND PLANT WALKS

Please watch for later additions on our Web site (www.northcoastcnps.org) or sign up for e-mail announcements (Northcoast_CNPS-subscribe@yahoo.com).

Outings are open to everyone, not just members. All levels of expertise, from beginners to experienced botanizers, are welcome. Address questions about physical ability requirements to the leader. It is wise to contact the leader if you are coming, in case plans change.

June 21-23, Friday night-Sunday. Bigelow Lakes Day Hike and overnight. This trip to **Oregon Caves National Monument** and surrounding Rogue River-Siskiyou National Forest will put us in the country of Spirit of the Siskiyou. It will be early SUMMER at about 5,000 ft on the trail to Bigelow Lakes and Mt. Elijah; it will be late SUMMER at the trails near the lodge. All are beautiful. We will camp (or motel, your choice) nearby the two nights, hike a full day Saturday and a short day Sunday, then head home. Details available later. Tell Carol if you might or will come 822-2015.

July 12-14, Friday night-Sunday. Swift Creek Day Hike and overnight. From a trailhead west of Trinity Center, Swift Creek Trail climbs gently up into the Trinity Alps Wilderness in Shasta-Trinity National Forest. Parker Meadow, about 3.5 miles up, can be our goal, but streams and forest glens along the way are sure to have flowers distracting us, so we might not make it that far. We will camp (or motel, your choice) in a Forest Service campground, probably at Scott Summit on Route 3, hike a long day on Saturday and a short day on Sunday, then head home. Tell Carol if you are thinking of coming or if you know a nice camping spot for a group closer to the trailhead (822-2015).

August 3, Saturday. 10 a.m.-1 p.m. Orchids in the Dunes Plant Walk. Intricate, beautiful, and diverse, orchids have a special allure. Join Carol Ralph to find four native species blooming and one in fruit along the forest and dune trails of Lanphere Dunes. Not all orchids are big and showy! Bring a magnifying lens if you have one. Meet at Pacific Union School, 3001 Janes Rd. in Arcata to carpool to the protected site. Co-sponsored by CNPS and Friends of the Dunes. Call 444-1397 to RSVP.

August 24, Saturday. Oregon Fireweed Rare Plant Treasurer Hunt. The small, pink flower of Oregon Fireweed (*Epilobium oreganum*) is easy to mis-identify because it is similar to the more common *Epilobium ciliatum*, which we find growing uninvited in our gardens. Oregon Fireweed inhabits wet mountain meadows and is set apart by a four-parted stigma. It is very rare and known from only two verified sites in Humboldt County, both in the South Fork Trinity watershed on Six Rivers National Forest. One is a historic location that has not been relocated. It was found when two botanists rode on horseback from Eureka to Hyampom in 1889. The second location was found in 2006 on Sierra Pacific property, and suitable habitat on the Forest nearby is worth surveying. This is a Forest Service Sensitive plant species and any new finding would be a significant contribution and allow Six Rivers to protect the site and provide additional data on its habitat. Other species associated with this site include but are not limited to *Calocedrus decurrens*, *Rhamnus tomentella*, *Rhamnus purshiana*, *Helenium biglovii*, *Asclepias eriocarpa*, *Festuca californica*, *Poa pratensis*, *Elymus glaucus*, *Festuca idahoensis*. We will visit a known site of the Oregon Fireweed to familiarize everyone with the species. We will also visit a historic location of Rattlesnake Fern (*Botrypus virginianus*), a species widespread on the continent but very rare in California.

The area we will be visiting is about 2.5 hours from Arcata on a steep, Forest Service road (5N07). We will carpool in all-wheel-drive or better vehicles. Walking will mostly be in the vicinity of Forest Service roads in moderate to steep terrain. Meet at Pacific Union School (3001 Janes Rd., Arcata) at 9:00 a.m. or at Burnt Ranch Store between 10:30 and 11:00 am. Some people may camp out Friday night at Burnt Ranch Campground in Shasta-Trinity National Forest and/or Saturday night at Dave Imper's house in Willow Creek. For more information contact John McRae at 707-441-3513 week days.

September 28, Saturday. Horse Mountain Day Hike. Harsh, serpentine soils and their special flora are part of the treat offered by this easily accessed, montane part of Six Rivers National Forest. We will hike 2 to 4 miles on rough trails somewhere in the Horse Mountain-Grouse Mountain corridor (Titlow Hill Rd off of Highway 299.; Forest Highway 1), enjoying vistas while observing the diverse shrubs and trees, alert for a late-blooming treat. Bring lunch and plenty of water. Dress in layers for all kinds of weather--summer to winter (yes, even gloves). At 4,000 ft. elevation anything is possible. Meet at 9:00 a.m. at Pacific Union School (3001 Janes Rd., Arcata) or arrange another place. Return about 5 p.m. Please tell Carol you are coming, in case plans change (822-2015; theralphs@humboldt1.com).

October 13, Sunday. Day Hike. Possibly Gold Bluff Beach wetlands.

CHAPTER PROGRAMS AND MEETINGS

EVENING PROGRAMS

Evening programs are free, public programs on the second Wednesday of each month, September through May, at the Six Rivers Masonic Lodge, 251 Bayside Rd., Arcata. Refreshments at 7:00 p.m.; Botanical FAQ's at 7:15 p.m., and program at 7:30 p.m. For information or to suggest a speaker or topic contact Michael Kauffmann at 707-407-7686 / michael_kauffmann@yahoo.com.

- Sep 11** **"Botanical Exploration in California."** Plant exploration in the European tradition began in California almost three hundred years ago. **Dr. James P. Smith**, professor emeritus of botany at Humboldt State University, will recount the efforts of those early naturalists, compare our five "official state floras," and review the accomplishments of several of the major botanists who contributed so much to our knowledge of California's diverse flora. These men and women – gifted, indefatigable, eccentric, and often blessed with an abundance of strong opinions – were the giants whose discoveries and writings form the basis of California floristic botany.
- Oct 9** **October 9.** Wednesday. 7:30 p.m. **"Conifers of the Pacific Slope."** Join local author, educator, and explorer **Michael Kauffmann** on a photographic journey along the Pacific Slope—from Baja California to British Columbia. Conifers survive within and among the most spectacular landscapes in the West, and Michael's plant explorations have brought him to many of these amazing destinations. Pictures will complement tales of climatic changes and deep-time evolution for one of the most ancient and interesting groups of plants on Earth. This talk will complement Michael's new book, *Conifers of the Pacific Slope*, which will be available for purchase.
- Nov 13** **November 13,** Wednesday. 7:30 p.m. **"Glacier's Last Stand: a Flora of a Trinity Alps Sky Island"** Join three local ecologists on a personal journey of discovery into the coldest nook and possibly the shortest growing season in the Klamath Mountains. At the base of one of the region's two remaining vestigial glaciers, learn how passionate volunteer science leads to the unearthing of a little known natural history. Once a year, **Justin Garwood, Michael van Hattem, and Ken Lindke** venture into this wonderland to map the glacier's blue ice and define the diversity of pioneering plants that survive at its foot. Their goal: to interpret regional climate change and write, for the first time, a flora for one of the rarest and most isolated places in the Klamath. After several trips, and taxonomic guidance from two prominent local botanists (Tony LaBanca and Gordon Leppig) and the HSU herbarium, a thorough collection is now in hand. With the field work completed, now they strive to put it all together, compare it to past work, and update what is known about the botanical treasures from the last vestiges of a much colder time in the Klamath Mountains.
- Dec 11** **Native Plant Show and Tell**

WHERE TO FIND THE NEW NAMES

When you need to know if a plant has a new name in the second edition of The Jepson Manual, or if you know it does, but you can't remember it, go to the Jepson Interchange Dynamic Concordance: <http://ucjeps.berkeley.edu/interchange/JMtoJMII.html>

Enter the name or list of names as they are in the first Jepson, and click "Look up." Voila! This program is not good at figuring out what you meant if you slightly mis-spell something, but it still is useful.

VOLUNTEER CORNER

Contact Carol (822-2015 / theralphs@humboldt1.com) to volunteer, ask questions, or make suggestions.

Gilded Darlingtonia Award was presented to **Tony LaBanca** for his many years of service to our chapter.

Thank you!

[See Wildflower Show and Plant Sale thank-you's elsewhere in this issue.]

- ☞ **Chris Beresford** and **Anna Bernard** for an absolutely amazing plant sale! Quality, quantity, information, help, enthusiasm, expertise--all dazzling!
- ☞ **Richard Beresford** for steering us through another great wildflower show, closely coordinated with the plant sale, for which he was instrumental as well.
- ☞ **Julie Clark** and **Jennifer Wheeler** of **Bureau of Land Management**, **Marie Antoine**, **Pete Haggard**, **Dennis Walker**, **Laurel Goldsmith**, **Pete Williams**, **Janelle Egger**, **Judie Hinman**, and **Carol Ralph** for leading plant walks.
- ☞ **Pete Haggard** for his inspiring, native plant presentation at a native plant day in Shelter Cove, organized by BLM with lots of help from **Cheryl Lissin**.
- ☞ **Sylvia White**, **Donna Wildearth**, **Jenny Hanson**, **Bev Zeman**, **Virginia Waters**, and **Carol Ralph** for being garden guides during the Patrick's Point Native Plant Garden Anniversary Celebration.
- ☞ **Dante** of **Northtown Books** for a remarkably fast response to a request for a book table at the Wildflower Show, resulting in a fabulous selection of books available there.
- ☞ **Northcoast Horticulture Supply** for donating the proceeds of their yearly raffle to our chapter!
- ☞ **Gura Lashlee** for photographing our events and making the photos available.
- ☞ **Bill** and **Linda Shapeero** for hosting another beautiful walk in their luxuriant, streamside riparian forest; shady, hillside Grand Fir forest; and sunny, rural yard.
- ☞ **Frank Milelczik**, **Barbara Kelly**, **Gura Lashlee**, and **Tom Pratum** for staffing, putting up, and taking down our table at the Humboldt Permaculture Guild's Seed and Plant Exchange.
- ☞ **Sylvia White**, **Gura Lashlee**, **C.J. Ralph**, **Cindy Woods**, **Carol Ralph**, **Pete Haggard**, **Lena Orozco**, and **Tom Pratum** for staffing our table at Godwit Days, and **Frances Ferguson** for scheduling them.

Volunteers needed. Big jobs and small, every one important. Every job-holder is eligible to be on our Steering Committee.

- ☞ **School Visits to the Wildflower Show.** The procedures are established for this very important and rewarding aspect of the Spring Wildflower Show. We want students to come appreciate the flowers! We need a coordinator and a class recruiter, and people to teach lessons and escort groups. To find out how we can use your talents, call Carol 822-2015.
- ☞ **Chief Outreach.** Keep our displays and handouts in good shape for use at various public events, about six per year. A good group of volunteers help staff the table (booth).
- ☞ **Plant Walks.** Two-hour, local (Trinidad to Fortuna) walks to look at plants are one of the most important things we do. We want to do more. We need volunteers to lead these walks (You don't have to know everything! Just enough to share.) and someone to schedule them (Phone and e-mail skills).

FIELD TRIP REPORTS

THE DUNES FROM MAD RIVER TO LANPHERE

February 23, 2013

by Carol Ralph

All sand dunes are not alike. That is what 18 of us learned on an interesting trek from Mad River Beach south to the Lanphere Dunes Unit of the Humboldt Bay National Wildlife Refuge, where we had left cars (Permits required). For about two-thirds of the way a vague path followed the wide swale between the nearshore dunes on the oceanside and the inland sand hill overlooking the dairy pastures. We criss-crossed this swale to see it all. Lunchtime found us at a landmark--a 24-inch boulder! Quite out of place and strategically located by a survey marker, it suggested we were at the southeast corner of the County Park property and that a vehicle had driven here in the past. A bit farther south we crossed a vast sand sheet to dive into the secret world of a tree island, a pocket of wind-sculpted Sitka Spruce (*Picea sitchensis*) and associated forest plants in a tiny, steep hollow between two sand ridges. South beyond there the dunes were more densely vegetated--more Coyote Brush (*Baccharis pilularis*), more Roadbank Fern (*Polypodium calirhiza*)--and we threaded our way through them to a familiar moving dune to follow to the Lanphere trail.

Along this course we passed dunes covered in European Beachgrass (*Ammophila arenaria*) and Coyote Brush; dunes dotted with the winter drab perennials--Dune Goldenrod (*Solidago spathulata*), Beach Knotweed (*Polygonum paronychia*), Seaside Daisy (*Erigeron glauca*), Beach Buckwheat (*Eriogonum latifolium*); dunes sparsely dotted with Beach Sagewort (*Artemisia pycnocephala*); dunes under a dense, green blanket of Roadbank Fern; dunes patched with mats of yellow moss; dunes spiked with last year's spent heads of Sea Thrift (*Armeria maritima*); and dunes with no vegetation at all. We crossed hollows that were filled with Coastal Willows (*Salix hookeriana*) and Slough Sedge (*Carex obnupta*), and others that were flat plains under a net of Beach Strawberry (*Fragaria chiloensis*). Though the sandy substrate

looked similar all the way, we saw the sagewort and thrift only in the southern third of our route. An abundance of Black-tailed Jackrabbit (*Lepus californicus*) droppings in places suggested that the preferences of these herbivores might determine which plants survived.



Heading from a strawberry plain across a moving dune to the tree island

In their winter aspect some dune plants were evident only from scraps of last year's growth--Beach Pea (*Lathyrus littoralis*), Beach Burr (*Ambrosia chamissonis*), Yellow Sand-verbena (*Abronia latifolia*). The annuals provided more entertainment, challenging us to distinguish the seedling rosettes of Miner's Lettuce (*Claytonia perfoliata*), Red Maids (*Calandrinia ciliata*), each Layia (*Layia carnosa*), Beach Evening Primrose (*Camissonia cheiranthifolia*), Coastal Cryptantha (*Cryptantha leiocarpa*), Purple Cudweed (*Gnaphalium purpureum*), and a small, non-native, yellow composite (*Leontodon saxatilis?* *Hypochaeris glabra?*). Miner's Lettuce amazed us with its range of size and color. It could be 1 inch or 6 inches tall preparing to bloom; it could be bright green or orangey green.

Our walk was enriched by a lesson on the Silver Bee (*Haptrobrotus miserabilis*) and by finding a scattering of blackened cooking stones from an Indian camp in the distant past. It was a fun exploration.

Craig's Creek Trail

May 19, 2013

by Carol Ralph

On a fine, summery, spring day eleven of us explored this out-and-back trail, new to all of us, from its trailhead on South Fork Rd. near the junction of the South Fork Smith River with the main stem, a little east of Hiouchi along Highway 199 east of Crescent City. The trail is featured in the Smith River National Recreation Area of the Six Rivers National Forest. A historic pack trail, it traverses a steep, forested, south-facing slope more than 100 feet above the river, with plenty of trail width for comfort, mainly maintaining a gentle grade.

(Continued on page 12)

RE-VISITING THE SPRING WILDFLOWER SHOW



Wow, what a wonderful Wildflower Show; and that's not just my opinion!

Repeatedly, individuals expressed awe at the variety of wildflower specimens on display as well as the quantity and diversity of plants for sale outside in the courtyard. Some folks from Portland, Oregon said that it was the best show of its type that they had ever been to. The weather fully, or at least mostly, cooperated; generating smiles as an overall feeling of well-being spread throughout the entire weekend. Visitation was at an all-time high and native plant sales beat all previous records. The fragrance in the Manila Community Center Main Hall was almost overwhelming, thanks to all of those magnificent

blossoms!

In addition to helping to organize this year's event; my wife Chris and I were fortunate to be some of the specimen collectors for the Main Hall display, as we have done for several years now. We have braved snow, hail, fog, and rain in previous years but this year-it was absolutely fantastic! The sunny weather and abundant flowers, more than we had experienced before; was what surpassed all of our expectations. There were more Blue-eyed grass (*Sisyrinchium Bellum*), more Iris (numerous species), more pussy ears (*Calochortus Tolmiei*), just about more of everything that we would expect to have found, and then some. It was indeed a great year for spring wildflowers and the timing was perfect!

Based upon the number of species that were represented, other collectors were just as well rewarded for their efforts, which by the way, were very much appreciated!

In addition to the spectacular flowers, there were informative and beautiful displays, great programs by experts in their fields, guided walks in the dunes, painting and drawing instruction accompanied by music, what more could you ask for?



When it was all over on Sunday evening, a collaborative group assembled to dis-assemble the 31st Wildflower Show. Like a well-oiled machine; all plant specimens that were gathered for the show were now gathered to be disposed of and returned to the earth as compost. To quote CNPS Chapter President Carol Ralph, "As I dumped the show into our compost pile, I

had to pull out some of the treasures and at least give them a few more days in a vase. Each one was lovingly cut by a collector and whisked into its damp, protective environment, then put in a selected vase, studied, and labeled, then peered at by students, drawn by artists, smelled by romantics, admired by random public, and then composted." A more appropriate end to nature's finest examples of beauty and splendor I cannot think of.

If you missed this year's 31st annual celebration, you missed a celebration indeed! Join us next May for another event to remember; you will not be sorry or disappointed!



Richard Beresford
Wildflower Show Chair

See Thank Yous on page 15

SPRING PLANT SALE THANK YOU

On behalf of the plant sale committee, we wish to thank all of the volunteers that made the plant sale held in conjunction with the spring Wildflower Show such a success. The plant sale surpassed last year's spring sale, literally, the BEST plant sale to date.



- Helped by assisting with moving of the plants to the sale site, setting up, checking in and out the nurseries, answering plant questions, working the cashier table and helping with take-down after the sale: Susan Anderson, Carl Chatfield, Jeremy Rockweit, Sydney Carothers, Anda Webb, Carol Smillie, Gisela Rohde, Colin Fiske, Wanda Naylor, Chris Brant, Randi Swedenburg, Judie Hinman, Ellin Beltz, Tami Camper, Tom Stafford, Alan & Barbara Wilkinson, Sam and Frances Rich, Gordon Skaggs, Bojan Ingle, Connie Gregerson, Steve Tate, Bill Peer, Kathy Goodman, Mary Isaacson, Anita Gilbride-Read, Cara Scott, Linda Miller, Virginia Chatfield and the indispensable Sylvia White and Karen Isa.
- Took photos that helped document all aspects of the plant sale—Gura Lashlee.
- Printed plant labels with readable and informative information— Ann Burroughs.



- Provided plants that we do not grow ourselves—Samara Restoration, Humboldt Fish Action Council, Freshwater Farms, and Lost Foods Native Nursery.
- Collected seeds / Grew plants—all of the individuals in the propagation group.
- Potted up transplants—Yvonne & Richard Kerr, Gura Lashlee, Kim McFarland, Donna Wildearth and Virginia Chatfield (additional people added since the Spring newsletter).

With the help of our plant propagation group, we increased the number of species that we were able to offer and that made a big difference in the money that was made for our local chapter. If we have missed anyone, our sincere apologies on our oversight! You are still included in our hearty Thank You!

Chris Beresford and Anna Bernard
Plant Sale Co-Chairs



Join Us:

- ☞ Next Plant Sale on October 5 at the Bayside Grange. Watch our website / contact Chris 826-0259.
- ☞ Plant propagation email group by sending an email to: NorthCoast_CNPS_Gardening-subscribe@yahoogroups
- ☞ Collect seeds in the wild (ethically and sustainably).

MEMBERS' CORNER

WELCOME NEW MEMBERS

MARY ALWARD
PATRICIA BRENNAN
MATT BURGESSER
MORGAN COOK
CAROL DAVIS
LEE HOUSE
NANCY IHARA
MARY ISAACSON
WILLIAM MURPHY
JACQUELYN OPALACH
BARBARA SCHUMACHER
PATRICIA SENNOTT
JANET STOCK
STEVE TATE AND BILL PEER

THANK YOU RENEWING MEMBERS

JOAN BOULDEN
JESSICA HALL
JEANNINE KAPRIELIAN
CRAIG KNOX AND MARIANNE CIPOLLA KNOX
ROGER PRYOR AND PEGGY PRYOR
KAY SENNOTT
CYNTHIA WOODS

MEMBERSHIP BENEFITS

Support these local businesses and with proof of your North Coast membership, receive discounts on your purchases.

- **Bamboo & Maples**, 10% discount on plants, 445-1281
- **Freshwater Farms**: 10% off plant purchases, 444-8261
- **Greenlot Nursery**, 10% discount on plants, 443-9484
- **Mad River Gardens**: 10% discount on plant purchases, 822-7049
- **Miller Farms**: 5% discount on plant materials, 839-1571
- **Pierson's Garden Shop**, 10% discount on all garden shop items (except sale or non-discountable items—please ask staff before going to register), 441-2713
- **Samara Restoration LLC**, 10% discount on plants, 834.4379 / samararestoration.com

JOIN THE CNPS NORTH COAST CHAPTER!

To join or renew, you can either:

- ◆ Send your name and address, check (payable to CNPS) CNPS, 2707 K St., Suite 1, Sacramento, CA 95816-5113.
- ◆ Pay on-line <http://www.cnps.org/cnps/join/>

Editor's Note: You may have noticed that we have started capitalizing the common names of plants (ex. Stream Violet). Our president noticed this convention in a book written and published by the Redbud Chapter of CNPS (and used for common bird names) and we have adopted the practice for the entire newsletter.



CALIFORNIA
NATIVE PLANT SOCIETY

CNPS CONVENES IN ARCATA

September 6-8, 2013

by Carol Ralph

CNPS is a non-profit federation, led by a Chapter Council composed of one delegate from each of the 33 chapters. The council meets four times each year to share information, to discuss and decide the overall direction of the organization, and to set policy. This fall, at our invitation, they are coming to Arcata.

The CNPS Board of Directors, which has the fiduciary and legal responsibility for CNPS and hires the Executive Director, come to these quarterly meetings, as does the Executive Director, who manages day-to-day operations, and do other staff.

Among the Chapter Council, CNPS board, and staff are some of the most committed and talented people you have ever met. You are invited to meet and interact with them during any activities at the September quarterly meeting, which is devoted mainly to conservation issues.

Schedule:

- Sept. 6, Friday evening. A get-together at an Arcata establishment for food, drink, socializing, and networking.
- Sept. 7, Saturday, 8:30 a.m. to 5 p.m. At Trinidad Town Hall, the Council conservation session, followed by more socializing, snacks, and beverages and then a catered dinner.
- Sept. 8, Sunday, 8:30 a.m.-12 noon. At Trinidad Town hall, Chapter Council considers other business. In the afternoon we offer our visitors field trips, which members are welcome to join. Destinations are yet to be decided.

We may offer additional field trips before and after the meeting. Additionally, while the delegates are busy in session, we may offer an activity or two specifically for North Coast Chapter members, led by CNPS staff from the Sacramento office.

As hosts, our chapter has some duties for which we need volunteer help, for example, staffing a registration table on Saturday morning, helping set up the meeting room early Saturday, maintaining the coffee and refreshment station through the day (in shifts), managing the projector and other equipment. If you can help, please contact Carol (707-822-2015; theralphs@humboldt1.com).

Check our web site (www.northcoastcnps.org) for details as they emerge, such as the speakers' identities, the field trip destinations, and the conservation topics on the meeting agenda.



For longer than anyone can remember, Expo Art of Arcata has donated or provided at extreme bargain price to us every year the signs and the removable letters for this important part of our publicity. Should you need any kind of sign made, including on vehicles, please consider Expo Art, our partner in bringing the flowers to the people. 822-9624

HOST A CNPSer!

As hosts we also help visitors find the accommodation of their choice, including private homes, B&B's, and motels. If you can offer a guest room in your house or a camping site by your house to a visiting delegate, board member, or staff, please contact Jen Kalt (jenkalt@gmail.com). What a great chance to interact with interesting, knowledgeable people.

(Continued from page 1)

European Dog Violet.

Now I am weeding out all my violets, resolving to check the identity of everything I bring into my yard, no matter what source. I'll consider a label someone's best guess, not "truth," remembering it could be a random mistake, which happens, even in the best nurseries (and in the wildflower show). I'll ask where it came from, to avoid supporting collection from the wild, as well as to help establish it's credentials as a native species.

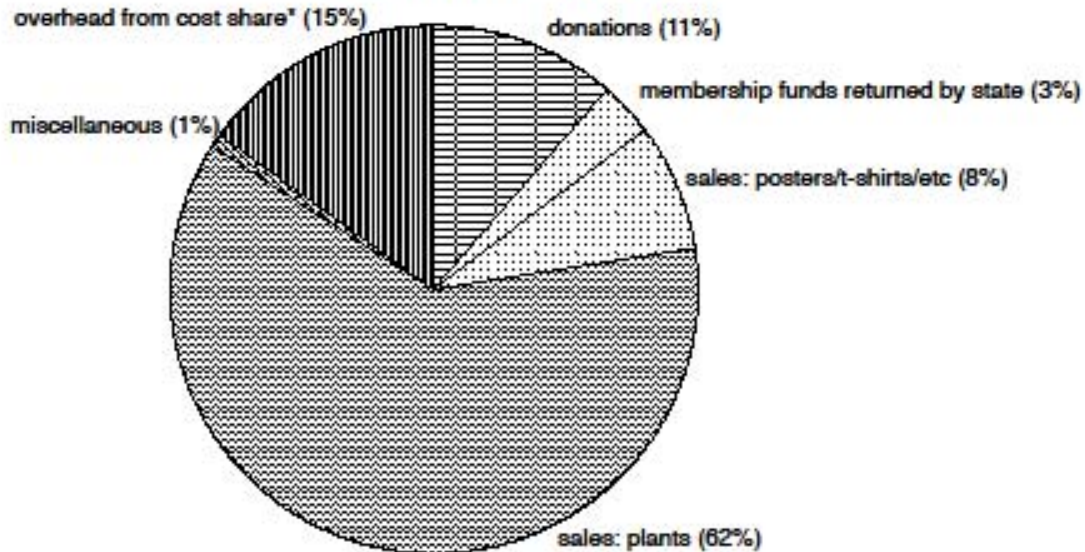
I hope we do find a good source of *Viola adunca*. It is a sweet little flower, an important ingredient of a coastal prairie, and a host plant for a rare butterfly.

Chapter Financial Report for Latest Fiscal Year Ending March 31, 2013

Tom Pratum, North Coast Chapter Treasurer

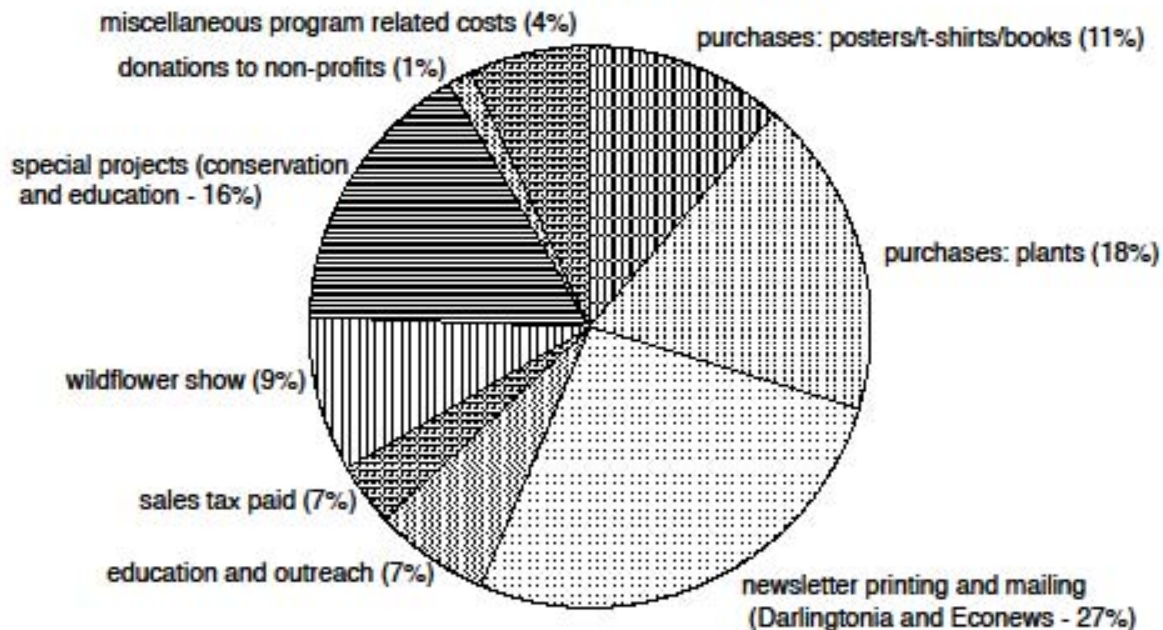
For the recent fiscal year ending March 31, the chapter received \$18,498 in income and had \$13,982 in expenses. This leads to a net of \$4516. While we prepare our budget to break even every year, this past year we took in more plant sale revenue than predicted, and also had unexpected overhead income from our Lassics lupine cost share arrangement with the US Forest Service. This latter income is unlikely to be received in the future. A breakdown of our income and expenses is shown in the charts below.

Chapter Income (total \$18,498)



* This overhead was paid to the chapter by USFS as part of our cost share agreement with respect to the Lassics lupine project.

Chapter Expenses (total \$13,982)



If you would like further information or have any questions about the information presented here, please contact Tom Pratum at tkp@whatcomssl.org or 707-382-8640.



SCIENCE FAIR WINNER

Jacquelyn Opalach accepts from Carol Ralph (North Coast CNPS President) a dry leaf of California pitcher plant, part of her award from our chapter for the best science project dealing with native plants at the 30th Annual Humboldt County Doris Niles Science Fair, March 22. Jacquelyn had noticed that not all redwood forest is the same. In some, sword fern carpets the forest floor; in some, huckleberry is abundant; in some, salal creates thickets. She wondered why, and whether the kind of vegetation correlated with the growth rate of the redwood overstory. She clarified her variables, figured out what to measure, spent time in the field with tape measure and increment borer, identified plants, spent time in the lab with ruler and magnifier, got a good sample size, modified her procedure to accommodate an observation made during sampling, analyzed her data competently, and presented her work beautifully. This is real science! Jacquelyn was also rewarded with \$50, a year's membership in CNPS, and a poster of redwood forest wildflowers.

Photo courtesy of John McGuire.



Very young Gnome Plant, pink. No flowers showing yet between the bracts.



Fringed Pinesap, white. Open flowers, showing jagged petal edges, glabrous interior, elongated anthers around the round, yellow stigma. Flower buds behind.



Pinefoot, white. Wide open flowers, showing smooth petal edges, very hairy interior, and a dense ring of hairs below the round, yellow stigma.

(Continued from page 5)

Most of the trail was in mixed evergreen forest, very mixed, with both coastal species like Redwoods (*Sequoia sempervirens*), and interior species like Canyon Live Oak (*Quercus chrysolepis*). The mix shifted as we progressed upstream, farther from coastal influence, or passed through gullies. Douglas-fir (*Pseudotsuga menziesii*), Tan Oak (*Notholithocarpus densiflorus*), Madrone (*Arbutus menziesii*), Poison Oak (*Toxicodendron diversilobum*), and Evergreen Huckleberry (*Vaccinium ovatum*) were ubiquitous. Occasional Douglas-fir were quite large, while the Tan Oak were all modest size. In damper, less steep stretches Redwood mingled with them; in the gullies Port Orford Cedar (*Chamaecyparis lawsoniana*) did too. On the steeper, rockier stretches Canyon Live Oak was the addition. Scattered California Rhododendron (*Rhododendron macrophyllum*) added their clean, pink flowers to the green, shady, shrub layer of the forest.

In the mixed evergreen forest common blooms along the trail were Woodland Madia (*Anisocarpus madioides*), Starflower (*Trientalis lateralis*), iris (*Iris thompsonii*? (note 1)), Redwood "Ivy" (*Vancouveria planipetala*), and that show-stopper, California Ground-cone (*Kopsiopsis stobilacea*), a chlorophyll-free, root parasite of Madrone and other ericaceous species. We saw at least 15 clumps of these dark, purply-brown, upright, pine-cone-like inflorescences erupted from the ground. Their curved flowers peeking out from the bracts made it clear these were not conifers, but flowering plants. Fairy Bells, past blooming, were common, Smith's (*Prosartes smithii*) in the earlier part of the trail, Hooker's (*P. hookeri*) in the later. Sparkly, violet, upright trumpets of Bridges' Triteleia (*Triteleia bridgesii*) bedecked two rocky outcrops. Eight little streams, some hurrying, some drying, crossed the path, providing wet gullies for streamside denizens like dramatic California Spikenard (*Aralia californica*). Our list was long with many species of which we saw but few individuals.

The habitat diversity was also reflected in our fern list. We saw dry-ground ferns--Sword (*Polystichum munitum*), Imbricated Sword (*Polystichum imbricans*), Western Wood (*Dryopteris arguta*), Gold-back (*Pentagramma triangularis*), Bracken (*Pteridium aquilinum*), Dense Lace (Indian's Dream, *Aspidotis densa*), Roadbank (*Polypodium calirhiza*)--and damp-ground ferns-- Deer (*Blechnum spicant*), Lady (*Athyrium felix-femina*), Five-finger (*Adiantum aleuticum*), and Chain (*Woodwardia fimbriata*). We also saw Oregon Spikemoss (*Selaginella oregana*) draped thickly on many rocks and Giant Horsetail (*Equisetum telmateia*) in damp ground.

As an indicator that we were in a rich, old forest, rich with fungal hosts and mycorrhizae, we found a real mycoheterotroph treat:

all three of the species that look like waxy, white, fat, asparagus tips poking out of the leaf litter like mushrooms. Gnome Plant (*Hemitomes congestum*) was pale pink, reflecting one of its other names, Pink False Asparagus. Its bracts were still tightly closed around the flowers. California Pinefoot (*Pityopus californica*) and Fringed Pinesap (*Pleurocospora fimbriolata*) were open, showing the furry petal interior of the former and the fringed petal tips of the latter. We also saw one Spotted Coralroot (*Corallorhiza maculata*) and a few Leafless Wintergreen (a form of White-veined Wintergreen, *Pyrola picta*), two other chlorophyll-free vascular plants that attach to fungi that are attached in a symbiotic relationship to a tree's roots.

In marked contrast to the forested slope was one small, brushy clearing with a stand of scraggly (as always) Knobcone Pines (*Pinus attenuata*) (somewhere in the first mile). Here were different flowers, including Pussy Ears (*Calochortus tolmei*), the same iris but exceedingly small leaves (3"), an arnica (*Arnica* sp.), Common Red Paintbrush (*Castilleja miniata*), and a penstemon (*Penstemon* possibly *rattanii*). This clearly was a different geologic substrate.

Parts of our group started back at different points. Some of us made it down into the gorge of Craig's Creek, beyond the hairpin turn that puts the trail parallel to the creek 50 feet below, and a little beyond the three-mile marker, still half-mile short of the trail's end, where the creek empties into South Fork Smith. We turned around at a patch of shiny, dark green, ferny leaves sprouting occasional pin wheels of seeds-- Oregon Goldthread (*Coptis laciniata*), a rare species in California. It also occurs on Myrtle Creek Trail, which is nearby on the north side of the main stem Smith River.

Walking steadily (only one mycoheterotroph stop) we returned to the cars in two hours. This trail made a pleasant walk--shaded all the way, some elevation change but not challenging--through a forest type that can be boring but in this case provided a good diversity of species, all native beyond the trailhead.

Map Note: The only map that shows this and other trails in any meaningful way is "Redwood National and State Parks--North" by David Baselt, published by Redwood Hikes Press. I highly recommend this map and its partner for the "South."

Note 1: The iris had single flowers, dark purple with fairly long, tapered tubes, the ovaries hidden by clasping bracts, on stems in dense clumps of very narrow leaves.

(Continued on page 11)

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COMMUNICATIONS

North Coast CNPS members have four ways to share information with each other:

- The ***Darlingtonia* Newsletter** (quarterly),
- Our **chapter's website**: www.northcoastcnps.org
- **E-mail lists/forums** To subscribe, send an email to:
 - For Announcements: NorthCoast_CNPS-subscribe@yahoogroups.com
 - For Gardening: NorthCoast_CNPS_Gardening-subscribe@yahoogroups.com
- **Facebook** www.facebook.com/NorthCoastCNPS

The *Darlingtonia* is the quarterly newsletter of the North Coast Chapter of CNPS. Items for submittal to *Darlingtonia* should be sent to marisa_nativecalifornian@yahoo.com no later than: December 1, March 1, June 1, and September 1. Botanical articles, poetry, stories, photographs, illustrations, sightings, news items, action alerts, events,

EcoNEWS AND YOU

We, the North Coast Chapter of CNPS, are a member organization of the Northcoast Environmental Center (NEC), a valuable voice for conservation in our area. We have a seat on their board of directors.

The NEC is the only organization with which we share our mailing list. We think it is important that our members receive *EcoNews*, an informative publication about conservation issues in our area. Our chapter pays NEC to mail *EcoNews* to our members who are not also NEC members. You can reduce this cost to our chapter by joining NEC at www.yournec.org or requesting your *EcoNews* be electronic (contact jenkalt@gmail.com).

NATIVE PLANT CONSULTATION SERVICE



Are you wondering which plants in your yard are native? Are you unsure if that vine in the corner is an invasive exotic? Would you like to know some native species that would grow well in your yard?

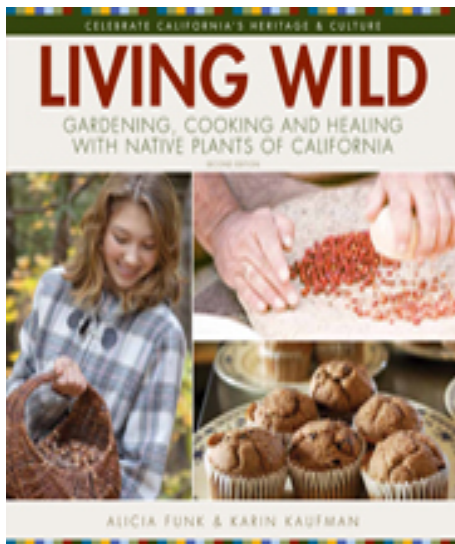
The North Coast Chapter of the California Native Plant Society offers the Native Plant Consultation Service to answer these questions and to give advice on gardening with natives. If you are a member of CNPS, this service is free, if not, you can join or make a donation to our chapter.

A phone call to our coordinator, Bev Zeman at 677-9391 or donjzeman@yahoo.com, will put you in touch with a team of volunteer consultants who will arrange a visit to your property to look at what you have and help choose suitable plants for your garden.

STATE PARKS VOLUNTEER RESTORATION EVENTS

The North Coast Redwoods District of California State Parks invites you to our upcoming restoration work days. Restoration work days focus on the removal of invasive, non-native plants such as English ivy. Removing invasive non-native plants is a moderate activity and participants are encouraged to wear sturdy shoes for walking off trail. Gloves and tools are provided, but feel free to bring your own. Work locations are less than a half mile hike from the meeting location. For more information please contact Michelle Forsys at (707) 677-3109 or at Michelle.Forsys@parks.ca.gov.

- July 13 – from 9 a.m. to 12 p.m., Patrick's Point State Park. Meet at the visitor center. Free admission
- July 27 – from 9 a.m. to 12 p.m., at Trinidad State Beach. Meet at the paved parking lot off of Stagecoach Road.
- August 10 - from 9 a.m. to 12 p.m., Patrick's Point State Park. Meet at the visitor center. Free admission.
- August 24 – from 9 a.m. to 12 p.m., at Trinidad State Beach. Meet at the paved parking lot off of Stagecoach Road.
- September 14 – from 9 a.m. to 12 p.m., Patrick's Point State Park. Meet at the visitor center. Free admission.
- September 28 - from 9 a.m. to 12 p.m., at Trinidad State Beach. Meet at the paved parking lot off of Stagecoach Road.



Living Wild, Gardening, Cooking, and Healing with Native Plants of California,

Second Edition (www.flickerpress.com/living-wild-book) is part of CNPS Redbud Chapter member Alicia Goldberg Funk's Living Wild Project. Alicia first learned plant-based medicine in 1990 from an indigenous grandmother in Ecuador's rainforest and has accumulated over 20 years of expertise in the field of natural living and wellness. The expanded second edition of Living Wild offers a deep awareness of the landscape with advice on cultivating more than 100 native plant species and enjoying this natural abundance for sustainable wild food cuisine and herbal medicine remedies. 100% of book profits go

to support CNPS. Order through the CNPS online bookstore or get a personally signed book and ask your questions on edible natives at one of the upcoming Living Wild Project book-signings (see schedule on the Living Wild website).

THANK YOU, WILDFLOWER SHOW VOLUNTEERS & CONTRIBUTORS!

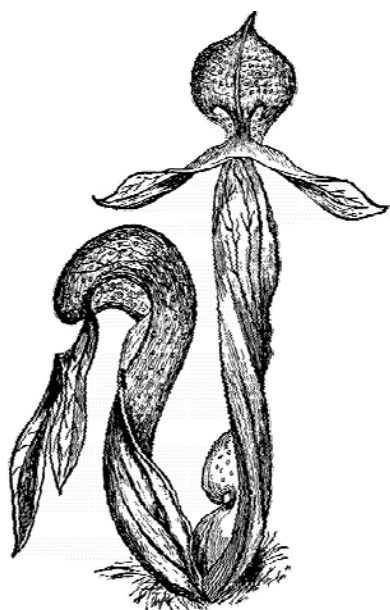
- **Coordinating this multi-faceted event, helping in all the facets, and producing beautiful publicity:** Richard Beresford
- **Lovingly cutting, protecting, and transporting hundreds of colorful, interesting, beautiful flowers and other plants from near and far:** Tony LaBanca, Sydney Carothers, Chris and Richard Beresford, Laura Julian, Jen Kalt, Stephanie Klein, Cheri Sanville and Bianca Hayashi (Green Diamond Resource Co.), Rhiannon Korhummel, Elaine Allison, Wanda Naylor, Janelle Deshais, Kim McFarland, Rafael Abrams, Dennis Walker
- **Coordinating the collectors:** Tony LaBanca
- **Sorting and identifying plants:** Larry Levine, Elaine Allison, Rita Zito, Judie Hinman, Barbara Kelly, Drea Taylor, Talisa Rodrigues, Amy Livingston, Rafael Abrams, Sydney Carothers, Chris Beresford, Richard Beresford, Jade Paget-Seekins, Dennis Walker, Shawna Faulkner, Rhiannon Korhummel, Laura Julian, John McRae, Tony LaBanca, Madeleine LaBanca, Gordon Leppig, Gisela Rohde, Dana York
- **Organizing work flow, storing a lot of stuff, printing a lot of stuff, doing PSA's, and making the flier:** Larry Levine
- **Revising the database and family signs to match updated taxonomy, a monumental task:** Larry Levine and an anonymous expert
- **Organizing another wonderful Art Night and an art walk:** Rick Tolley
- **Providing live music at Art Night:** Mon Petit Chou
- **Coordinating the school visits to the show:** Carol Ralph, Judie Snyder
- **Recruiting classes to come to the show:** Jesse DaSilva and Katherine Arnett
- **Teaching lessons to the school groups:** Jenny Hanson, Wanda Naylor, Karen Mayer, Bobby Shearer, Adam Canter
- **Guiding school groups among activities:** Katy Allen, Audrey Miller, Sharon Lopez, Linda Lee, Charlene Swenson, Cynthia vanVleck, Jade Paget-Seekins, Marilyn Tucker, Jane Woodward, Sheryl Esparza, Rafael Abrams, Steve Williams
- **Organizing and leading school groups in the dunes:** Friends of the Dunes staff
- **Providing lilies that the students dissected:** Sun Valley Group
- **Sharing their Yurok perspective in an interesting presentation:** Skip Lowry and his mother Sandra.
- **Teaching medicinal uses of some wild plants:** Christa Sinadinos of Northwest School for Botanical Studies
- **Great coaching to take great flower photos:** Bill Wood
- **Spreading more conifer enthusiasm through a presentation:** Michael Kauffmann
- **Leading walks in the dunes:** Friends of the Dunes docents Laurel Goldsmith and Peter Williams
- **Sharing his fun bugs:** Pete Haggard and Judie Haggard
- **Developing an impressive, important, invasive plant display:** Laura Julian and the Weed Management Area
- **Presenting a thorough, informative display of local, wild conifers:** Dennis Walker
- **Creating an interesting display of edible, native plants:** Monty Caid and Lost Foods Nursery
- **Making a complete, colorful display of dune plants:** Kim McFarland and Friends of the Dunes
- **Producing a beautiful backboard display of flowers:** John McRae and Six Rivers National Forest
- **Displaying beautiful, native flower photographs:** Becky Deja and photographers Alan Justice and Ann Wallace
- **Sharing their knowledgeable and providing information at the "Ask the Expert" table:** Tony LaBanca, Jen Kalt, Dana York
- **Serving delicious sustenance for the volunteers all weekend:** Melinda Groom and Katy Allen
- **Donating food for volunteers:** Ray's Food Place, Los Bagels, North Coast Co-op, Wildberries Marketplace
- **Staffing tables:** Barbara Kelly, Virginia Rumble, Cindy Woods, Roseanne Densmore, Audrey Miller, Alisa Muniz, Steve Tate, Bill Peer, Noah Lurtz, Donna Wildearth, Carol Woods, Tom Pratum, Ann Burroughs, Elaine Weinreb, Frank Milelczyk, Linda Alm, Becky Deja, Carol Mone, Frances Ferguson, Dante
- **Preparing the showroom:** Tom Allen, Katy Allen, Becky Deja, Nelson Edwards, Larry Levine, Carol Ralph, David Callow, Cory of Americorp
- **Cleaning up!:** Tom Allen, Katy Allen, Tom Pratum, Ann Burroughs, Cara Scott, Frank Milelczyk, Becky Deja, Rita Zito, CJ Ralph, Nelson Edwards, Dante, Laura Julian, and a few more wonderful helpers.
- **Transporting jars:** Suzanne Issacs, Tom Allen
- **Storing jars all year:** Suzanne Isaacs
- **Planting and retrieving roadside signs:** David Callow, Janelle Egger, Rick Tolley, Virginia Waters, Carol Ralph, Ann Burroughs
- **Re-lettering signs:** David Callow and Carol Ralph (and Expo Art)
- **Hosting signs:** Grondalski Insurance, Miller Farms, Pierson Co., Pacific Outfitters, Mad River Gardens, Delta Mattress, Humboldt Hand & foot Therapy, Lurtz-Gleye family, Joel Mielke, Trinidad Museum, Alan Sanborn, Northcoast Regional Land Trust, Max Emery, Steve and Andrea Suttell, Blue Lake Murphy's Market, Manila Community Center, and a few more
- **Posting fliers:** Many people--only you know who you all are!
- **Providing an exceptional book table on exceptionally short notice:** Northtown Books
- **Running the refreshment stand:** Salena Kahl and the Teenship crew
- **Being helpful and generous landlords:** Manila Community Services District

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Visit us at
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CALENDAR of EVENTS

(Plant Walks & Hikes—Page 2 / Programs— Page 3)

June

- ◆ Sat 1: Walk
- ◆ Sun 9: Hike
- ◆ Fri-Sun 21-23: Overnight/
Hike

July

- ◆ Fri-Sun 12-14: Overnight/
Hike

August

- ◆ Sat 14: Hike

September

- ◆ Wed 11: Program

October

- ◆ Sat 5: Fall Plant Sale
Program
- ◆ Wed 9: Program

November

- ◆ Wed 13: Program

December

- ◆ Wed 11: Program