



Washington Native Plant Society

The Acorn

Serving the South Sound Chapter

Summer 2005

Chapter News

WNPS CHAPTER VOLUNTEERS SOUGHT FOR TACOMA FLOWER & GARDEN SHOW June 3, 4, and 5

Want to Represent WNPS? We need volunteers to help staff the WNPS display and lead walking tours of the native plant garden at the **Point Defiance Flower & Garden Show** on **June 3, 4, and 5**. The overall event is planned to be a spectacular outdoor show of gardens and gardening to inspire and educate the whole family. Emphasis will be given by Metro Parks Tacoma to sustainable gardening. From 14 elaborately designed gardens to window box gardens, container gardens and amateur floral displays, the three-day show offers world-class exhibits, exciting events and learning, rain or shine. If you'd like to learn more about the event, check out their website at www.ptdefianceflowershow.com. Volunteers gain free access to the show for the day of their effort. For more information contact Anna Thurston at 253-988-7842 or a.thurston@worldnet.att.net.

CHAPTER FIELD TRIPS

Don't miss the South Sound Chapter Field Trips this summer. For more information or if you'd like to lead a summer or future field trip, please contact Cynthia Park at 360-357-4230 or Diane Doss at ddoss@spcc.ctc.edu.

“Medicinal Plants at a Local Olympia Park” Saturday, May 21 ♦ 10:00 am

Herbalist Elise Krohn will lead this trip through the forest to reach us about native medicinal plants. Contact Cynthia Park at 360-357-4230 for location information.

“Keying Grasses” Wednesday, June 1 ♦ 5:45 pm – 8:30 pm

This is a “working” field trip for Botany 210 at SPSCC, with a few openings for Hitchcock-adept plant-people who want to work on grass-keying skills. We'll meet at

the Visitor Center at the Nisqually National Wildlife Refuge *only if* the weather is good. Register with Dianne Doss at ddoss@spscctc.edu.

“Propagating Native & Other Drought-Tolerant Plants” Sunday, June 5 ♦ 12:00 pm – 4:00 pm

Learn how to propagate both evergreen and deciduous plants from seeds and cuttings. You'll take home several plant starts that you've created in the workshop. Fee is \$25 per person, includes extensive handouts. Sponsored by the Native Plant Salvage Foundation. Call Erica Guttman at 360-754-3588x110 to register; please leave email information to receive details.

“Meet the Trees of Washington” Saturday, June 11 ♦ 10:00 am – 3:00 pm

Especially geared to newcomers to our local area. Learn our local deciduous and evergreen trees and the role they play in protecting water resources and providing habitat. Classroom time followed by a field trip to a local nature trail. Co-sponsored by the Stream Team and WSU's Native Plant Salvage Project. Call Erica Guttman at 360-754-3588x110 to register; please leave email information to receive details.

“Mt. St. Helens” Sunday, June 26 ♦ 7:30 am – all day

Meet at the West Side Olympia Top Foods (toward the rear, near the recycling bins) at 7:30 am, or near the Johnson Ridge Observatory around 10:00 am. Bring hand-lens, field guides, water, food for a full day, and weather-appropriate clothes. This is a group-led field trip. Contact Cynthia Park at 360-357-4230.

**“Fort Lewis Wetlands”
Saturday, July 9 ♦ 9:00 am – ?**

Rod Gilbert will lead a walk around several high quality wetlands on Fort Lewis. We will need to sign in at the Main Gate (current ID required) and carpool as best we can. Waders are not required, but rubber boots are recommended. Bring food and plenty of water as we may run late. Contact Rod to sign up at 360-456-4013 or roderickgilbert@comcast.net. Limited to 10 people.

**San Francisco St Bakery Demonstration Garden
&
Evergreen Teaching Gardens at TESC**

Don't miss these two Olympia garden highlighting native plants. Erica Guttman and the Native Plant Salvage Project have created a beautiful native plant garden at the San Francisco Street Bakery on Olympia's east side – and delicious treats are available at the bakery! Dr. Fredrica Bowcutt and her students have developed a variety of instructive gardens at The Evergreen State College (TESC), including a Post-Glacial Forest.

**FREE GARDENING WORKSHOPS
Master Gardener Demonstration Garden
7711 Pioneer Way (Pioneer and Fruitland Ave)
Saturdays ♦ 11:00 am – 1:00 pm**

The Pierce County Master Gardeners offer workshops that are free and open to the public on the following Saturdays from 11:00 am to 1:00 pm. For more information, contact Irene Reed at ireed@mindspring.com or the Master Gardeners Website at wsu.edu/master_gardeners.

- ♦ **May 21** – ‘Hardy Fuchsias’ by Lloyd Tharp, WSU Master Gardener
- ♦ **May 28** – ‘Native Plants in the Landscape’ by Ken and Nell Batker, members of the Tahoma Audubon Society and the South Sound Native Plant Society
- ♦ **June 4** – ‘How to Get Your Weeds Under Control’ by Fred Ferguson, WSU Master Gardener and Pierce County Weed Control
- ♦ **June 11** – ‘All about Iris’ by Rita Butler, WSU Master Gardener and Tahoma Iris Society
- ♦ **June 18** – ‘Summer Pruning’ by Steve Witcher, ‘The Guru Gardener’ and coordinator of the Master Gardener program in Pierce County for 17 years
- ♦ **June 25** – ‘Raising Honey Bees’ by the Puget Sound Beekeepers Association
- ♦ **July 9** – ‘Great Pick Plant - Why You Should Grow Them’ by Noel Wells and Phyllis Edelbrock, WSU Master Gardener's Great Picks Garden

- ♦ **July 16** – ‘Hostas and Other Plants for the Shade Garden’ by Andi Roozendrans, WSU Master Gardener
- ♦ **July 23** – ‘Conifer Identification’ by Dennis Tompkins, WSU Master Gardener and Certified Arborist
- ♦ **July 30** – ‘Day Lilies’ by Bill Havens, WSU Master Gardener
- ♦ **August 6** – ‘Fall Vegetable Gardens’ by Jodi DuBois, Square Foot Nutrition Program
- ♦ **August 13** – ‘Grow a Jungle - Hardy Tropicals and Exotic Plants for the Northwest’ by Bryon Jones, WSU Master Gardener and owner of Exotic Landscapes Northwest
- ♦ **August 20** – ‘Planting for Butterflies and Hummingbirds’ by Betsy Schultz, WSU Master Gardener
- ♦ **August 27** – ‘How to Take Hardwood Cuttings’ by The WSU Master Gardeners Propagation Study Group

BOTANICAL LISTS AVAILABLE ONLINE

Heading to the Coast? WNPS volunteer Kathleen Sayce prepared a wonderful website with many Columbia Coast plant lists and information about the coastal environment. The website can be accessed at www.reachone.com/columbiacoastplants/index.htm.

SUPPORTING OUR CHAPTER BUDGET

Members of the South Sound Chapter can help support our mission and objectives while you shop for food at **Storman's Inc.** outlets in Olympia. Storman's gives back to the community through its **1% Community Rebate Program**, and invites members of participating organizations to use “Community Rebate Cards” at **Ralph's Thriftway** or **Bayview Thriftway**. Members who use rebate cards designating the South Sound Chapter of WNPS are later rewarded one percent of the proceeds. To obtain your own Community Rebate Card please contact Rod Gilbert at 360-456-4013 or roderickgilbert@comcast.net. Thanks for helping to support the Chapter!

*Our monthly Chapter Meetings will resume in October.
Have a great summer and happy botanizing!*

Chair Report

Anna Thurston

It's been a long spring now that I prepare this article, a time of year when there always seems to be more change afoot than even during fall. I have heard many people remark about the various vibrant green and other subtle colors that our native plants offer in our region, plus wonderful odors outdoors as well. We've had a reprieve from the dry weather on the west side, which for gardeners meant that many of us started pulling shot-weed last fall.

Have you all been involved with Earth Day or some environmentally related events this year? Although I see the popular press decrying the "death of environmentalism," Earth Day and many more events within this vein are hard to miss and the Northwest is a leader in the trend. Now if we could only make every day Earth Day... To do that we will want to work together.

There are so many specialized interest groups that it's hard to keep a pulse on all of them. Specialization can make it hard for those of us within our respective groups to talk to the people who we want as members – the people we also hope to reach with our programs and education. Staying in touch with popular culture may also be difficult for the folks who spend their work and/or their leisure hours in the field, but it's important because there are so many mechanisms by which we can communicate our messages. Targeting those messages will also become more and more important. Do we know enough about our audiences to know if they care, and if not, why not? If we know these answers we'll be more successful with the limited budgets that we all have for public outreach.

There is much happening within and around the WNPS South Sound Chapter. Check out our Field Trips listing, and also our volunteer opportunities, posted on behalf of many organizations beyond the WNPS. If you have an itch to participate we could definitely use your help. In particular, our conservation activities are clearly calling for a person or team of people who can attend the various public meetings and who will offer responses that represent the society. Another activity with which people might participate is the development of a Stewardship program exclusive to the South Sound Chapter. In communion with restoration activities being pursued by area agencies, this project in particular is looking for a leader who is organized and who has time to devote to education programs that have already been tested in other chapters. Working with other non-profit organizations is essential to both of these activities and exemplifies the objectives our great team of volunteers has worked to develop.

As spring becomes summer, we hope you'll join us. Either in the field as we travel out and about to enhance our own horizons, as volunteers supporting the places that make our outings more worth while, or as volunteers that help us educate the public we hope to reach. If you'd like to participate with us as a volunteer, I hope you'll let us know. Look for the list of Executive Committee members who serve the South Sound Chapter towards the back of this newsletter and join the effort that most lights your life with enthusiasm. – A –

Conservation Report

Mary Fries, Conservation Committee Chair

VOLUNTEER OPPORTUNITIES

Funding continues to be a problem for all government agencies from local to federal, and consequently, volunteer works have become very important. Check the chapter website at www.southsoundchapterwnps.org for updated information on the volunteer activities listed below and elsewhere in the newsletter.

2005 LEGISLATIVE SESSION

The South Sound Chapter Conservation Committee needs help with tracking issues in the state legislative session to determine positions to take on regulatory or budget items that have the potential to affect native plants in our area. Among ways to do this are attending

hearings, reading newspaper reports and publications by environmental organizations, and contacting your legislators, especially if they serve on a relevant committee. Contact Conservation Chair Mary Fries during our chapter meetings or at 253-272-9192 for more information.

For news on other volunteer activities, please see the Volunteer Opportunities that follow.

Volunteer Opportunities

MOUNT RAINIER PLANT RESTORATION

Help transplant seedlings at the greenhouse near Ashford. The transplanting season will start in mid-late May, and will continue strong until mid-July. For those who are interested in volunteering at the greenhouse during the transplanting season, Libby Roberts is establishing an email list of volunteers who would like to be notified of dates and times for transplanting. To be included on the transplanting email list or for further information, contact Libby Roberts at 360-569-2211x6170 or Libby_Roberts@nps.gov, or Pat and Dan Montague in Olympia at 360-709-0866 or montague30 @comcast.net.

PUGET CREEK RESTORATION SOCIETY

The Puget Creek Restoration Society (PCRS) has many opportunities each month for volunteers to help in the restoration of the habitat in the Puget Creek Watershed. This 66-acre Gulch/Stream/Wetland/Steep Sloped area has been undergoing extensive restoration work over the last eight years. Spearheaded by PCRS, there are returning Chum, Coho and Cutthroat Trout in the stream now, numerous native vegetation types and quantities have been reintroduced to the area, almost two acres of habitat has been eradicated of invasive plants such as Himalayan/evergreen blackberry, English ivy, morning glory, Japanese knotweed and others and all this has been accomplished through volunteer efforts. The PCRS seeks individuals in the community involved in our restoration activities and the organization has a monthly restoration event that is on **the second Saturday of every month from 9:00 am to 12:00 pm** where you can just show up and help. The PCRS also have other events scheduled at times/days convenient for those groups and these events are also open for everyone to participate. Young and old are invited to volunteer. The PCRS provides all the tools, raingear, gloves, bottled water, boots etc. needed to help. For more information contact Scott Hansen at 253-779-8890 or pugetcreek@ yahoo.com; or visit the PCRS office at 702 Broadway-Suite 101 in downtown Tacoma or at www.pugetcreek.org.

CITIZENS FOR A HEALTHY BAY

Restoration

Citizens for a Healthy Bay (CHB) will be busy at our restoration sites throughout the spring and summer months, especially the Mowitch site, as we will be coordinating a desperately needed overhaul of the area.

CHB has partnered with NOAA and Earthcorps to revamp our Mowitch site by conducting activities such as re-planting the marsh area, adding goose exclusion fencing, weeding the upland trees and shrubs, and other maintenance measures throughout the coming year.

Adopt-a-Wildlife Area (AAWA)

Citizens for a Healthy Bay is also looking for dedicated people who are committed to protecting and restoring habitat areas along Commencement Bay. Their "Adopt-A-Wildlife-Area" (AAWA) program is volunteer-based and invites participants to become stewards of a habitat site along Commencement Bay and to conduct monthly monitoring of that site. Come and help CHB protect and restore habitat vital to the health of Commencement Bay. For more information or to get involved, please contact Lisa Campbell, Volunteer Coordinator, at 253-383-2429 or lcampbell@healthybay.org. The CHB website calendar at www.healthybay.org also has information on volunteer activities.

Citizen Keepers Program

Citizens for a Healthy Bay is recruiting and training volunteers to become "Citizen Keepers." Citizen Keepers are environmental advocates specializing in pollution detection, reporting and prevention. They patrol Commencement Bay and the surrounding watershed by kayak, boat, bicycle or on foot. The Commencement Baykeeper provides training and prepares volunteers to identify and report pollution. Volunteers will also learn about the history of Commencement Bay, pollutants of concern, and practical pollution prevention measures. For more information regarding how you can become a Citizen Keeper, please contact Amy Bates at 253-383-2429 or baykeeper@healthybay.org.

Storm Drain Stenciling

Once again it is time to hit the neighborhood streets and start painting! CHB is continuing its joint effort with the City of Tacoma and Stream Team to remind people not to dump waste down the storm drains. This is a great activity for groups and individuals alike and fun for all ages! Similar to stenciling in Tacoma, we need help painting "Dump No Waste, Drains to Harbor" below Gig Harbor storm drains, as well. If you live in Gig Harbor or just want to help in a effort to raise community awareness about storm water pollution, then this volunteer activity is for you! To get involved and check out a stenciling kit for Tacoma or Gig Harbor, contact

Calendar of Events

- ◆ **Saturday, May 21 & Sunday, May 22** - Sea Kayak Symposium (booth event)
- ◆ **Saturday, June 4** - Mowitch restoration event
- ◆ **Wednesday, June 8** - World Ocean's Day at the zoo (booth event)
- ◆ **Wednesday June 15** - Citizen Keepers training
- ◆ **Saturday, June 18** - Citizens Keepers activity
- ◆ **Saturday, July 16** - Mowitch restoration event
- ◆ **Wednesday, July 20** - Citizen Keepers training
- ◆ **Saturday July 23** - Citizen Keepers training
- ◆ **Saturday, July 30 & Sunday, July 31** - Ethnic Fest 2005
- ◆ **Saturday, August 13** - Mowitch restoration event
- ◆ **Wednesday, August 17** - Citizen Keepers training
- ◆ **Saturday, August 20** - Citizen Keepers activity

Rare and Native Seed Collection

The University of Washington Rare Plant Care and Conservation Center is looking for volunteers to collect both rare and native seeds across the state. Collectors need skills in plant identification, a willingness to travel and have the opportunity to learn about collecting native seeds by attending a mandatory **Seed Collection training session in early June (date TBA)**.

Processing Seeds in the Miller Seed Vault

The Miller Seed Vault provides short- and long-term storage for the rare and native plant species collected by our volunteers. These seeds are protected and stored for use in future restoration and reintroduction efforts. Processors need ability and willingness to follow exact protocols for cleaning and storage of the seed. The above trainings aren't mandatory to work in the seed vault. Individual training is provided by our staff. Hours are flexible.

To apply to become a Seed Collector contact Kimberly Frappier, Acting Program Manager, at 206-616-0780 or rarecare@u.washington.edu. More information is available regarding UW courses at courses.washington.edu/rarecare/.

Other Items of Interest

Question "I have little experience growing natives, and so I'm hoping for some advice about planting/growing a madrona tree (*Arbutus menziesii*). A garden-designer-type I talked to does not recommend them in general. She said they're disease-prone, and messy, among other things. I love madronas and have always wanted one. Can you offer me your opinions? Should I go bravely forward in spite of the designer's warning? If so, any advice on where to get a tree and how to best ensure its thriving and resistance to disease?" – Sarah

Response "One could say that controlling nature is the essence of gardening. This is not the best for wildlife that likes things wild and sometimes "messy" with lots of hiding and resting places Madrone is a great wildlife plant. Insects come to the flowers. They attract more than their share of insectivore birds. Berry eaters like band-tailed pigeons and varied thrushes come for the berries (if the starlings don't get them all). Though bland, we can eat the berries if we want. Brown elfin butterflies might lay eggs on the flower buds (though records yet to be confirmed for Washington State) The evergreen

foliage makes great cover year round. The snowflake like flowers on the ground and the colorful bark shreds on the ground are beautiful, not "messy". The dead branches and dead trees make great perches. They are a unique Northwest tree. It is the largest member of the Ericaceae - Heath Family (most, if not all the rest are shrubs)." *Stewart Wechsler, Ecological Consulting, ecostewart@quidnunc.net*

Response "[A] consideration for planting madronas is the possible need for mycorrhizal fungi in the soil. Without damaging the roots of existing plants, you might get some soil from under a mature madrona and mix that in with your soil where you plant your own, to inoculate the soil. There is evidence that madronas share mycorrhiza with Doug firs, so another idea would be to plant within the root zone of a Doug fir, if that is an option.

I have two very large madronas in heavy clay soil. People remark how healthy they look. Often people also suggest that madronas need good drainage or not to water them. There was at one time a lawn planted under

these two trees, which was presumably watered. My advice is, even if you don't have the perfectly described position to plant them, give it a try. They are worth it for the beauty of the tree and the wonderful wildlife habitat that they offer.

They drop all their old leaves in the summer, after fresh new leaves have appeared, but I find these dry out and crumble into the soil profile very quickly. I just leave them where they fall. And hummingbirds really do visit the flowers!" *Lynn Schueler*

Response "The leaf blight seems to be closely related to cultural factors. You can check your neighborhood for other madronas to see which ones are doing well, and duplicate the conditions. If you do get the madrona leaf blight, grooming away the dead, blighted leaves really makes a difference. It tends to show first on the previous year's leaves most strongly right when the new leaves want to come out. It is possible to remove the leaves from around or on the trees and have a clean young tree in a couple of years, if other factors are pretty good.

As a designer myself, I'd like to say that the madrona is a gorgeous and dynamic tree year round that is truly one of the defining 'looks' for the region!" *Kathleen Winters*

Response "I LOVE Madrones – everything about them pleases me and I have several in my almost-acre garden. I have never seen enough of pests or disease on Madrones to even give it a thought. The only damage to my trees was the horrible ice storm of Christmas '95 which devastated Madrones all over our region.

Madrone berries are wonderful and much enjoyed by many birds. (And when ripe berries are strung as for beads, they dry into rock hard little jewels which I combine with glass beads for necklaces and earrings.)

The leaves of madrones have wonderful reflective qualities -- in rain -- in fog -- and luminous at night. They fall during the summer; that throws some people off and they call them messy. The reddish-brown bark peels off leaving the smoothest, clean surface -- but I suppose some define that in the messy category.

My madrones are in the natural area of my garden, which is a place that allows for nature to rule. Leaves on the ground whatever time of year are left there to do their thing.

I've tried transplanting seedlings – one must get them when very small to have any success. But it can be done. And they grow very fast. They have no problems with pruning. And the pruned off foliage is lovely in decorative arrangements with flowers - staying fresh for weeks.

I have heard Madrones have problems with over-zealous cultivation of their root zone. Maybe that's why "garden-designer types" don't want to recommend this tree." *Helen Engle, Hengle@earthlink.net*

Response "...you should know that Madrones are notoriously difficult to establish. I know people who have tried for years without success, and others who have planted one and it took off. Madrones hate having their roots disturbed. We lose about 50% in our nursery each time we transplant them into larger pots, which is why we now sell them as small seedlings to outplant directly from a 10 cu. in. tube. We also mark the south side or the container so they can be planted in the same orientation as they were grown in the nursery, which allegedly reduces transplant stress.

Madrones in the landscape are susceptible to various pathogens, particularly in the sapling stage. I know of nothing you can do about this - just use sound gardening practices and hope your trees are okay.

My advice: use small container stock (2 gallon or less); try to find plants grown in tall, deep pots; and plant 3 seedlings for every 1 tree you want. If all 3 survive, hey, you have 3 Madrones in your yard! How cool is that?

Also, plant them in well drained soil, mulch well and do not over water!" *Ben Alexander, Sound Ecological Services & Sound Native Plants, 360-352-4122 www.soundnativeplants.com*

Response "I would prefer to plant them in the fall after the rains have restarted and plants are semi dormant on top, but still warm enough to be active in the root zone. Disturb the root ball as little as possible, and whatever you do, try and keep the tap root uncut, undamaged in any way. The smaller the seedling you can transplant, the better. ...

...to seed them, collect the ripe berries from under a tree that is shedding them (assuming the birds leave enough to harvest...) and gently process them to remove the seeds. Sow these in fall and by spring you should have seedlings.

Oddly enough, once you have a viable tree, they are easy to prune, and don't seem to mind being topped, forced back or generally treated abysmally by indifferent pruning crews. Its getting them happy in the first place that is tricky. ... if you have a good spot for one, they are worth it." *Brett Johnson, Green Man Gardens, bnbjohns@comcast.net*

BIG BACKYARD POTLUCK PICNIC **Thursday, June 23 ♦ 6:00 pm – 9:00 pm**

You are invited to the “Big Backyard Potluck Picnic” at the Engle Garden, 4011 Alameda Avenue, University Place. This is the best environ-networking going on in the county with representatives from the Audubon, Mountaineers, Foothills Trail, Cascade Land Conservancy, Citizens for A Healthy Bay, Carbon River Corridor, and More. You are invited to bring a display to the picnic for your organization. No signup is necessary and rain does not cancel. For more information, contact Helen or Stan at 253-564-3112 or Hengle@earthlink.net

The Picnic will feature: “Old Time Fiddlers,” Licensed Falconers with their Live Birds, Native Plants for sale by Don Norman, Photo Exhibit by Mountaineers, Earth-Friendly Crafts and Games for kids all ages, Displays by our friends of allied organizations. Children and grandchildren are MOST welcome.

We Furnish: Coffee, punch, crusty buttered rolls.

You Bring: A hot or cold entrée PLUS a salad or dessert; AND your own table service and a sit-upon if desired. Beer and wine is BYO.

Directions: Stan and Helen Engle, 4011 Alameda Avenue, University Place, WA 98466 253-564-3112 or Hengle@earthlink.net. 4011 Alameda Avenue is 1/2 mile south of Fircrest Golf Course. Parking is on Alameda and on Kootnai, the lower street (come in lower gate).

From I-5: 4011 Alameda is about three miles from I-5. Take I-5 to Exit 130, signed South 56th Street. Exit to go west on South 56th Street. Go west on 56th to Orchard Street, less than 2 miles. Turn right (north) onto Orchard Street. Go north on Orchard one mile to Emerson (a.k.a. 40th) Street. Turn left (west) onto Emerson/40th Street. Go west on Emerson/40th one-half mile (first stop light) to Alameda. At 40th & Alameda turn left (south) – 4011 is the first house on your left. This route is on major feeder arterials, well signed, and each turn is at a traffic light.

From SR 16 coming from Gig Harbor: 4011 Alameda is about four miles from The Narrows Bridge. Take the first exit on the Tacoma side of the bridge, signed Jackson (Bridgeport). Go south on Jackson. Jackson becomes Bridgeport at University Place City Limits. Stay on Bridgeport to 40th Street. Turn left (east) onto 40th. Go east on 40th (a.k.a. Emerson Street in Fircrest) to Alameda. Turn right onto Alameda and 4011 is the first house on the left. This route is on major feeder arterials, well signed, and each turn is at a traffic light.

2005 TEACHER WORKSHOPS AT MOUNT RAINIER NATIONAL PARK



Below is a list of upcoming teacher workshops being offered by the National Park Service and some of our education partners. Unless otherwise noted, workshops will occur at Mount Rainier National Park. These are workshops that are scheduled or planned to date. Please note that there may be additional workshops scheduled, so be sure to check our website at www.nps.gov/mora/education/index.htm and the Professional Development Opportunities section for updates. Space is limited in all workshops so advance registration is required. For more information or to register for any of these workshops, contact Anne Doherty, Education Program Manager at 360-569-2211x3319 or anne_doherty@nps.gov (unless otherwise noted in the workshop description).

Living with a Volcano in Your Backyard – Mount Rainier **July 12 - 14**

A mix of content, curriculum activities, and field experiences. This workshop is designed for teachers who teach about volcanoes, volcanic processes, products, and hazards.

Mountain Geography & Cultures – Teacher Training **July 18 - 22**

Learn about the geography and cultures of mountains around the world.

Mountain Geography & Cultures – Curriculum Adaptation Workshop **July 25 - August 5**

Become a Park Teacher Advisor. Help the Park adapt the global and Appalachian Mountain-based curriculum materials to the Cascade Range

Best of the NW Program at Cispus Learning Center **August 9**

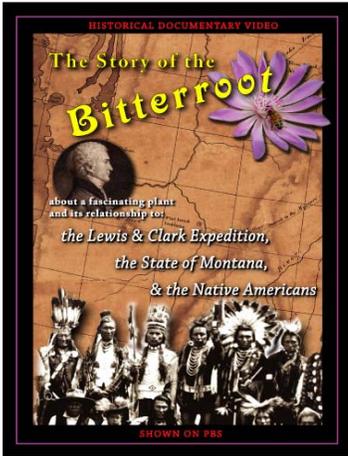
Designed to give you a taste of the educational experiences and opportunities available at the Cispus Learning Center near Randle, Washington.

Mount Rainier National Park History and National Park Service History, Mission, & Careers **August 11 - 13**

Learn about the rich history and historic resources of Mount Rainier National Park, including field trips.

Video and Book Reviews

The Story of the Bitterroot – A Cross Cultural Odyssey



of Discovery by Steve Slocomb was reviewed in the Fall 2004 edition of *The Acorn*. The documentary is now available at botanical gardens, natural history museums, and interpretive centers throughout the country. It examines the botany and the cultural history of this fascinating plant. The bitterroot was collected

and subsequently named after Meriwether Lewis. It is an

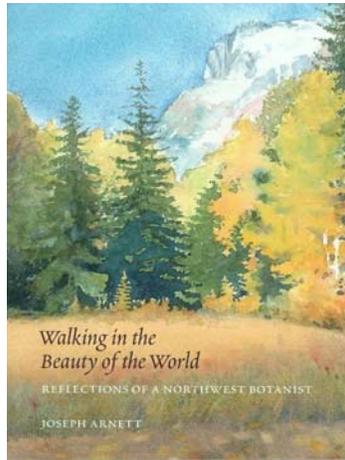
incredibly hardy plant; earning the Latin name *Lewisia rediviva* because of its ability to "come back to life" after seemingly dead. It is venerated by the Salish Indians who have depended on it as a food source for thousands of years. The documentary was nine years in the making, and is currently airing on PBS in four states. **To obtain more information or to place an order, visit the web site at www.bitterroot.tv or send a check or money order for \$25.95** (DVD only-includes shipping) to:

Looking Glass Films
376 Zimmerman Lane
Hamilton, MT 59840
phone:406-363-6196
email: video@montana.com

Walking in the Beauty of the World: Reflections of a Northwest Botanist By Joe Arnett

The Washington Native Plant Society is excited to present a collection of botanical essays by Joe Arnett. Rich with illustrations by Washington artists, the book includes revisions of twenty-four articles that have appeared in the Society's publications.

Joe has been a professional botanist and teacher in the Northwest for over twenty years, and the essays describe wild - and not so wild - places, personal knowledge of the plants, and wider topics of a human relationship with nature. The writer invites the reader to step off the path of routine and catch a glimpse of the natural world in which we live.



Like any good book there are so many lines for reflection and essays to share. Buy a copy for yourself and plan to buy one for someone you surely will wish to share it with. Joe Arnett is generously donating all net proceeds from the sale of this book to the Washington Native Plant Society.

You may obtain this book from the Central Puget Sound Chapter before and after its program meetings or you may order it through WNPS by mailing a check for \$10.00 to the Washington Native Plant Society (\$8.00 for book plus \$2.00 for shipping/handling). **Make checks payable**

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253-564-3112
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Look under "Chapter News" for Summer Field Trips Schedule



The mission of the Washington Native Plant Society is to promote the appreciation and conservation of Washington's native plants and their habitats through study, education, and advocacy.