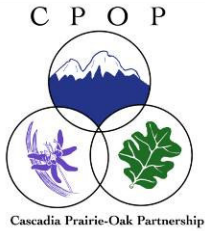


Call for Papers and Registration



A joint event hosted by:
Northwest Scientific Association
82nd Annual Meeting,
Cascadia Prairie-Oak Partnership
Ecoregional Science Conference,
and **Northwest Lichenologists**



24-27 March 2010

[Centralia College Campus](#), WA State

Meeting Theme:

*from Mount St. Helens to Oak-Prairie Lowlands
Disturbances, Biological Legacies, and Conservation*

Join researchers, students, practitioners, and science-interested colleagues to present your latest findings and exchange ideas. Submit your abstracts for paper and poster presentations to northwest.science@gmail.com no later than **16 February 2010**. Abstract submission guidelines and registration form follow. **Student participation encouraged.** *In addition, see [NW Sci webpage for 2010 Student Research Grant Opportunity!](#)*

Special Symposia:

- * 30th Anniversary of the Mount St. Helens Modern Eruptive Period
- * Prairie-Oak Woodland Restoration and Management

Session topics include: tectonics and magmatism, geology, geomorphology and geologic hazards, paleontology, lichenology and bryology, prairie-oak wildlife, prescribed fire, native plant materials production, invasive species control, rare species reintroductions, climate change, ecology and management of northwest forests, and ecology and the human dimension.

A special opportunity for prairie-oak submissions: The Cascadia Prairie-Oak Partnership (CPOP) will be coordinating with NWSA to produce a special issue of the peer-reviewed journal, Northwest Science. The publication will reflect the state-of-knowledge for Willamette Valley-Puget Trough-Georgia Basin prairie and oak woodland ecology, management, and conservation. Indicate your interest in submitting your paper for publication with your abstract submission.

Conference Snapshot - *Registration form attached*

- 24 March: Pre-meeting field trip: Regional strategies for restoring invaded prairies
Registration opens
Evening social McMenamins Olympic Club – snacks provided
- 25 March: Plenary session
Concurrent symposia, technical and poster sessions
Evening social, silent auction and banquet
- 26 March: Concurrent symposia, technical and poster sessions
NWSA & CPOP business meeting lunches
- 27 March: Field trips: Lichens in the Mima Mounds; Garry oak restoration in the south Puget sound;
Comparing Washington's Willamette and Puget prairies

For more information contact: Pat Pringle, NWSA, ppringle@centralia.edu, 360-736-9391x550; Hannah Anderson, CPOP, handerson@tnc.org, 360-701-8803; Google NWSci, go to NWSci Home and click the 2010 meeting link; Visit www.southsoundprairies.org

ABSTRACT FORMAT GUIDELINES

Abstracts are **required** for all presentations and posters presented at the 2010 [Northwest Scientific Association](#) joint meeting with [Cascadia Prairie-Oak Partnership](#). Abstracts due **16 February 2010**. General presentations will be 15 minutes long, with 5 minutes for questions (20 minutes total). Special sessions may follow alternate formats.

Please submit the following information in the body of the e-mail to northwest.science@gmail.com:

1. Name, affiliation, mailing address, and e-mail of the corresponding author.
2. Names and affiliations of additional authors.
3. Session topic for which the abstract is submitted (from those listed above), or poster session. If the abstract does not fit the session topics that have been selected to date, please indicate that it will be a "Contributed Paper".
4. Indicate your interest in submitting a manuscript for the prairie-oak special edition of NW Science (*full manuscripts due 30 April 2010*).
5. Indicate that presenter is a student and would like to participate in the student poster contest.
6. Please specify poster dimensions as 4 x 4 ft or 4 x 8 ft
7. Attach **abstract** file to e-mail. (Please use the following guidelines and format example)

ABSTRACT FORMAT FOR PAPER PRESENTATIONS AND POSTERS

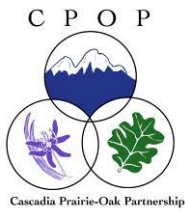
Please prepare abstracts using Times New Roman 12-point font in MS Word document following the format below. Improperly formatted abstracts will be returned for revision.

- Type everything **left justified**.
- Type the title in **ALL CAPITALS** followed by a period.
- Continue on same line with names of all authors and their addresses.
- Type author names in upper and lower case. Separate each name with a semicolon after the address.
- Add the address, using 2-digit state or province abbreviations, including zip or postal code, for each author directly after each author's name. If authors from the same institution follow one another, add the address after the last affiliate.
- Add the e-mail address of the corresponding author after the last author and italicize it.
- Skip a line and type the abstract in one paragraph in **normal case**. The word count for the body of the abstract may not exceed 250 words.
- The abstract should include a **statement or summary of the research results**, not a promise that "results will be discussed" at the meeting.

Example:

DEFINING A SUCCESSIONAL METRIC FOR LICHEN COMMUNITIES IN THE ARCTIC TUNDRA. Emily Holt, Bruce McCune, Department of Botany and Plant Pathology, Cordley 2082, Oregon State University, Corvallis, OR 97331-2902; Peter Neitlich, Western Arctic National Parklands, National Park Service, Winthrop, WA 98862-9755; eholt@science.oregonstate.edu

We provide an index of successional status for arctic macrolichen communities. We amassed literature from the past fifty years that studied lichen communities following various disturbances, such as fire or grazing.....



NORTHWEST SCIENTIFIC ASSOCIATION • 2010 Annual Meeting
Joint meeting with CASCADIA PRAIRIE-OAK PARTNERSHIP
and NORTHWEST LICHENOLOGISTS

March 24-27, 2010 Centralia College – Centralia, Washington

REGISTRATION



NAME	
AFFILIATION	
MAILING ADDRESS	
CITY STATE ZIP	
PHONE	
FAX	
MOBILE	
EMAIL	

FEES

Activity		Fee On or Before 3/10/10	Fee After 3/10/10	Amount Enclosed
Meeting • Professional Rate (includes Plenary Session)		\$120	\$145	
Meeting • Student Rate ¹ (includes Plenary Session)		\$50	\$50	
Please check all that you will attend (<i>included in meeting fee</i>)		\$0	\$0	
<input type="checkbox"/> Wednesday, March 24 th Evening Social <input type="checkbox"/> Friday, March 26 th NWSA Business Lunch; or <input type="checkbox"/> Friday, March 26 th CPOP Business Lunch				
Banquet (<i>not included in meeting fee</i>)		\$40 per person	\$40 per person	
Vegetarian <input type="checkbox"/> Other dietary sensitivities _ _				
Number of People _____				
FIELD TRIPS	(Box lunch included in all but lichen trip; Select only one Sat trip)			
	<input type="checkbox"/> Regional Strategies for Restoring Invaded Prairies – Wed 3/24	\$12	\$12	
	<input type="checkbox"/> Garry Oak Restoration in the South Puget Sound – Sat 3/27	\$30	\$30	
	<input type="checkbox"/> Comparing WA's Willamette and Puget Prairies - Sat 3/27	\$30	\$30	
	<input type="checkbox"/> Lichens in the Mima Mounds – Sat 3/27	No Fee	No Fee	
(no lunch provided for lichen trip, add \$12 if you would like box lunch)				
TOTAL AMOUNT ENCLOSED				
METHODS OF PAYMENT <input type="checkbox"/> Check or Money Order payable to: <i>Northwest Scientific Association</i>				
<input type="checkbox"/> Or Credit card (check which): <input type="checkbox"/> VISA or <input type="checkbox"/> MASTERCARD ONLY				
NUMBER _____ _ EXPIRATION (m/yr) _ _ / _ _				
PRINT YOUR NAME AS IT APPEARS ON CARD _____				

¹ Registration fee may be waived for students that volunteer to work four sequential hours during the meeting. Limited number of registration waivers available. Please contact Pat Pringle ppringle@centralia.edu to volunteer.

Mail completed registration form and payment to: Billing Office, Centralia College, 600 Centralia College Blvd., Centralia WA 98531, or email registration form with credit card payment to ppringle@centralia.edu (*put NWSA2010 in subject line*). **NOTE: NO REFUNDS**

For more information contact: Pat Pringle, NWSA, ppringle@centralia.edu, 360-736-9391x550; Hannah Anderson, CPOP, handerson@tnc.org, 360-701-8803; Google NWSci, go to NWSci Home and click the 2010 meeting link; Visit www.southsoundprairies.org

Meeting Location

The meeting will be held on the Centralia College campus in the brand new science facility, just opened spring 2009, complete with state of the art "smart" classrooms.



Centralia is located in southwest Washington State halfway between Seattle, WA and Portland, OR.



Where to Stay

There are several options for overnight accommodations near to Centralia College. The options range from the new family geared resort just a few miles north of Centralia, the Great Wolf Lodge, to the new Holiday Inn Express just a few miles south of Centralia. Or stay right in Centralia at the restored historic McMenamins Olympic Club or the local King Oscar Motel.

Holiday Inn Express

730 NW Liberty Place
Chehalis WA 98532
360-740-1800

Brand new hotel just 5 miles south on I-5: Standard Rooms \$90

<http://www.hiexpress.com/h/d/ex/1/en/hotel/SEARCH?&sittrackingid=98622400&dp=true&siclientid=1962&creative=%7Bcreative%7D>

Great Wolf Lodge

20500 Old Hwy 99, SW
Centralia WA 98531

Brand new, theme and water park, family oriented, could be busy as the meeting occurs during spring break. – Rooms are family suites \$189 and up.

<http://www.greatwolf.com/grandmound/waterpark>

King Oscar Motel

1049 Eckerson Rd
Centralia WA 98531

Just off I-5 in Centralia: Standard rooms \$73 - \$105

<http://www.koscar.net/motels/#centralia>

360-736-1661

McMenamins Olympic Club

112 N Tower Ave
Centralia WA 98531
360-736-5164

Historic Inn in downtown Centralia, just 4 blocks from the College.
European-style rooms with bathroom down the hall
Standard Rooms \$50 - \$80

<http://www.mcmenamins.com/index.php?loc=58>

2010 NWSA Student Research Grant Competition:

The Northwest Scientific Association awards **grants of up to \$1,500** to support student research in the pure and applied sciences. Proposal submission deadline is **8 February 2010**.

See http://www.vetmed.wsu.edu/org_nws/nwsci_home.htm for more information

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Field Trips:

Wed 3/24: Regional Strategies for Restoring Invaded Prairies

Can degraded prairies be restored to native dominance? Which methods work best? Upland prairie restoration faces many challenges including invasive species control, limited reproduction from native species, and diverse conditions at different sites. The Nature Conservancy has partnered with the Institute for Applied Ecology to compare a variety of restoration methods such as burning, mowing, herbicide application and seeding. We will lead a field trip to three South Puget Sound sites to show trip participants first-hand the results of this 5-year regional experiment that has field sites in BC, Washington, and Oregon. (For more details of the study see our website www.appliedeco.org/conservation-research/prairie-restoration-research).

Leader: Amanda Stanley, Institute for Applied Ecology

Cost: \$12 for box lunch, travel subsidized by Institute for Applied Ecology and The Nature Conservancy

Sat 3/27: Comparing Washington's Willamette and Puget Prairies

Prairies in western Washington are dominated Roemer's fescue (*Festuca idahoensis* var. *roemeri*), red fescue (*Festuca rubra*), or California oatgrass (*Danthonia californica*) with variety of forbs common to lowland grasslands in western Oregon and Washington that sometimes co-dominate or occasionally have greater total cover than the grasses. The Willamette and Puget prairies differ in a group of endemic, usually rare species more confined to northern, glacially-influenced landscapes and another species group with affinities to more southern environments. This field trip will visit remnant sites that display the transition from southern floristically aligned prairies west of Centralia to northern prairies near Olympia.

Leaders: Rex Crawford and Joe Arnett, Washington Natural Heritage ecologist and botanist, DNR

Cost: \$30 for transportation and box lunch

Sat 3/27: Garry oak restoration in the South Puget Sound

Garry oak (*Quercus garryana*) communities historically covered over 40% of the lowland South Puget Sound region and were a significant habitat throughout much of the Puget Trough lowlands. A variety of plant and animal species are dependent on, or associated with, these communities, including a number that are considered rare or endangered at the state or Pacific Northwest regional scale. Only a small fraction of the original oak habitat in western Washington remains today, and much of this is threatened by conifer encroachment and the resulting suppression of oak trees and oak regeneration. This field trip will visit several sites near Olympia where different restoration methods, including mechanized conifer removal, hand removal, and prescribed fire, have recently been applied to help restore oak woodlands.

Leaders: Dave Wilderman (DNR *Natural Areas Program*), Dave Hays (WDFW *Wildlife Diversity Division*), and Mason McKinley (TNC *Prairie/Oak Program Manager*)

Cost: \$30 for transportation and box lunch

Sat 3/27: Lichens in the Mima Mounds

The Mima Mounds Natural Area Preserve consists of an open grassland with low, evenly spaced mounds, lying on the outwash plain at the terminus of the Vashon Glacier. The mounds are dominated by grasses, *Cladonia* lichens and mosses, surrounded by coniferous forest. We will be looking at the lichens of the area and explore their distribution patterns and orientation on each mound. We will consider how the geology and soil affects the cryptograms found there. Forest encroachment and invasive weeds appear to be changing the vegetation patterns rapidly. We will address the problem of what effects different management strategies could have on different groups of organisms.

Leaders: Daphne Stone, Jeanne Ponzetti, Katherine Glew

Cost: reimburse driver for gas

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