
NW Small Fruit Notes

NORTHWEST CENTER FOR SMALL FRUITS RESEARCH

4845 B SW Dresden Ave, Corvallis, OR 97333
Phone: 541-758-4043 Fax: 541-758-4553 pnwa@comcast.net www.nwsmallfruits.org

Fall 2006

2006 Annual Conference in Kennewick

The Northwest Center for Small Fruits Research (NCSFR) Annual Conference will be held at the **Red Lion Hotel Columbia Center, Kennewick, Washington.**

1) Registration (Registration Form Enclosed)

Please feel free to fax us your registration form ahead of time - your registration fee can arrive separately. We need a headcount for attendance and would appreciate hearing from you as soon as possible. Thanks!

2) Hotel Accommodations 509-783-0611

Hotel reservations must be made by **November 15**, to receive a special conference rate. Be sure to tell them you are attending the *Northwest Center for Small Fruits Research Conference*.

3) Main Conference Day - Thursday, November 30 (Draft Schedule Enclosed)

- Technical Working Group Meetings
- Commodity Priority Review/Setting
- Wine Tasting/Reception
- Dinner & Keynote Speaker

Attendees of the NCSFR Annual Conference will have the opportunity to hear research presentations and reports from five technical working groups (Genetics, Berry & Grape Processing, Wine Processing, Production/

Physiology, and Pest Management), participate in round table discussions, and help set research priorities for the Center, which will be used for special research grant considerations next year.

4) Research Priorities - Commodity Groups

During the Annual Conference, time is set aside to revisit the research priorities. Please review these priorities within your commodity groups prior to the conference and come prepared for discussion. To ensure balanced outcomes, we strongly encourage small fruit industry members to attend and participate in these research priority discussions. You can find copies of the most recent priorities at www.nwsmallfruits.org.

5) Committee Meetings - Friday, Dec. 1

- Advisory Council
- Liaison Committee
- Coordinating Committee

6) Pesticide Recertification

Once again, we will be offering pesticide recertification credits for Oregon, Washington and Idaho for this years conference.

RESEARCHER REPORTING INFO INSIDE ↗

Dr. James Ballington to Give Keynote Address

The Northwest Center for Small Fruits Research (NCSFR), established in 1990, has grown considerably in the last 16 years. With one scientist position and a budget of \$440,000 in the early 90's to \$4.43 million and eight scientists in 2006, the Center has a track record of success in funding valuable research; creating new research positions for Oregon, Washington and Idaho; bringing together diverse industries to network resources and expertise; and educating legislators to the value of small fruits in the PNW. As we grow, we want to continue to expand our horizons and encourage more interaction and communication with other small fruit organizations in the United States. There is a great deal we can learn from industry perspectives outside our region.

Jim Ballington Continued From Page 1

With that in mind, we have invited Jim Ballington from North Carolina State University to speak at the NCSFR annual conference this year. He is a professor in the Department of Horticulture Sciences and his research emphasis includes germplasm enhancement and breeding adapted cultivars of blueberries, strawberries, blackberries, and raspberries; disease and insect resistance; micropropagation and in-vitro polyploidy induction; and phylogenetic relationships among *Vaccinium* species. Jim's teaching responsibilities are focused on plant propagation and small fruit production and his research responsibilities are with small fruits; especially breeding, genetics, and taxonomy in *Vaccinium*, *Fragaria* and *Rubus*. He has also been involved with small fruit crops germplasm collection for the USDA National Germplasm System with emphasis on North and South America from 1984-1998. Thirty percent of his time is split between extension and teaching, 70% is dedicated to blueberry and strawberry breeding and genetics. He received his Masters Degree in Horticulture from Clemson in 1968 and his PhD



in Horticultural Science in 1975 from North Carolina State University.

Jim is also a member of the steering committee for the Southern Region Small Fruit Consortium (SRSFC). Many of us involved with NCSFR are unfamiliar with this organization and would like to learn more. The SRSFC which was established in 1999 in the southeast United States to integrate collaborative efforts across the region between small fruit growers and grower organizations, industries and service organizations allied with and serving small fruit growers, ag extension programs and research stations. There are many similarities and some significant differences between our two organizations. For instance, SRSFC relies on dues from member universities to fund their projects and NCSFR relies exclusively on federal appropriations. The SRSFC's current membership includes University of Georgia, North Carolina State University, University of Tennessee, Clemson University, and Virginia Polytechnic Institute and State University. We look forward to hearing more from Jim about the Consortium as well as the small fruit industry in the southeast.

Charles Boyer Moves to Fresno State University

As of July, OSU's Charles Boyer is the new Dean of the College of Agricultural Sciences and Technology, at California State University, Fresno.

For the past three years, Charles has served OSU as Associate Dean and Associate Director of the Agriculture Experiment Station. His recent responsibilities included direct oversight for five departments and seven branch stations. He was also the OSU representative overseeing the Northwest Center for Small Fruits Research.



Jan Auyong - New NCSFR Director for OSU

Jan Auyong, Assistant Director of OSU's Ag Experiment Station since 2005 and Executive Director for the Sun Grant Western Regional Center since 2004 has taken over as OSU's representative overseeing the NCSFR.

Her most recent prior experience includes Assistant Director of the Oregon Sea Grant (95-04); Project Manager, Hatfield Marine Science Center, Oregon State University (93-95); Principal, MAR RES Associates (92-96); and Deputy Director of the National Coastal Resources Research and Development Institute in Newport (89-92). She received her masters from UC Santa Barbara in Biological Sciences and her PhD in Rec. & Resources Dev. from Texas A&M in 1983.



Jim Harbertson - New WSU Extension Enologist

Jim Harbertson was recently appointed WSU Extension Enologist located at the Prosser Irrigated Agriculture Research and Extension Center.



In 1996 he graduated from UC Davis with a BS in Biochemistry and in 2003 he finished his Doctorate in Agricultural and Environmental chemistry. He focused his research on the analysis of polymeric pigments and tannins in grapes and wines.

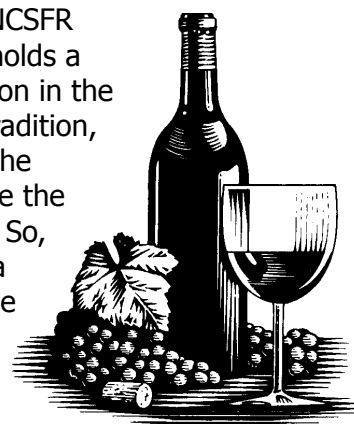
His primary interest as the Extension Enologist is to be a liaison between the industry and the university. He would like to extend the knowledge gained through basic and applied research at the university to the industry to be understood and utilized for the improvement of winemaking. His research interests currently are focused on the phenolics in grapes and wine and their biochemical and chemical changes during grape ripening, winemaking and aging.

USDA HCRL Stakeholder's Meeting

The USDA-ARS Horticulture Crops Research Unit in Corvallis, Oregon is planning a stakeholders meeting for November 2nd for Small Fruits and Nursery Crops. Over the next two years, they plan to fill up to four positions that will be vacant due to retirement (Jim Fisher, Research Entomologist retired earlier this year). This is an opportune time to solicit input into research direction before the positions are filled. This will be a one-day meeting that includes an overview of the Unit's current research programs, breakout sessions based on areas of research, summary presentations, a tour of the facilities and time for open discussion. They plan to create a document covering current research at the Unit and their ideas on future expertise needs. This will be sent to all participants before the meeting to provide them with an opportunity to think about the Unit's research needs and how these needs might be addressed.

Call for Washington Wines for the Annual Conference

Every year the NCSFR annual conference holds a wine tasting/reception in the evening. As is the tradition, the winemakers of the hosting state provide the wine for the event. So, we are putting out a formal request to the Washington wineries to please let us know if you can bring some of your latest and greatest vintages to share with our members. A mix of reds and whites would be greatly appreciated. Thanks!



RED LION HOTEL
COLUMBIA CENTER • KENNEWICK

Red Lion Hotel Columbia Center

<http://tinyurl.com/kdow2>
N 1101 Columbia Center Blvd.
Kennewick, Washington



Northwest Small Fruit Notes is a publication of the Northwest Center for Small Fruits Research 4845 B SW Dresden Ave, Corvallis, OR 97333 Phone: 541-758-4043

Linda White - New Coos Extension Horticulturist

Reprinted from Open Minds - Oregon State University

Linda White loved to garden, but when she started a weekend Master Gardner program in Portland eight years ago, she never expected she'd end up with a master's degree in horticulture. At the time, she was on a very different career path: she held a job as a private investigator for an attorney's office.



In the course of the class, Linda learned to love horticulture so much that she applied to OSU, quit her job, and moved to Corvallis. After completing a bachelor's degree, she went on to her master's,

with the help of one of the department's highly competitive Arco-Swallow fellowships. She also received a coveted one-year internship at the Chicago Botanic Garden, one of the premier botanical gardens in the United States.

Linda's professors have enjoyed her company and her many contributions to the department. Fortunately, her new degree doesn't mean the end of their working relationship. Coming full circle, Linda has just begun her new job serving the commercial horticulture industry as an Extension Horticulturist in Coos County.



4845 B SW Dresden Ave.
Corvallis, OR 97333



Northwest Small Fruit Notes

NORTHWEST CENTER FOR SMALL FRUITS RESEARCH

4845 B SW Dresden Ave. • Corvallis, Oregon 97333
 Voice 541-758-4043 • Fax 541-758-4553 • E-mail pnwa@comcast.net • www.nwsmallfruits.org

REGISTRATION FORM 2006 ANNUAL CONFERENCE

RED LION HOTEL - COLUMBIA CENTER • KENNEWICK

1101 N. Columbia Center Blvd. • Kennewick, WA 99336 • Ph: 509-783-0611

Thursday – 11/30 MAIN CONFERENCE DAY Friday – 12/1 COMMITTEE MEETINGS

NOTE: If you plan to attend, please contact us at your earliest convenience. Feel free to fax us your registration form ahead of time - your registration fee can arrive separately. We need a headcount for attendance and would appreciate hearing from you as soon as possible. Thanks!

Conference Registration Fee Includes: All sessions, lunch, evening reception, and conference proceedings that will be mailed when published after the conference.

EARLY REGISTRATION DEADLINE: FRIDAY, NOVEMBER 10TH

For registration refund, cancellation must be made by Friday, November 17th

Name(s): _____

Institute or Agency: _____

Department or Business Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ E-mail: _____

Please check if you would like vegetarian meals for lunch & dinner

	Conference Fee	Number Attending	Totals
Pre-Registration	\$ 85		\$
Late Registration	\$ 95		\$
Student/Grad-Student Rate <i>Salaried technicians do not qualify for this rate.</i>	\$ 45		\$
Dinner/reception for non-attending spouse/guest	\$ 30		\$
Total			\$

Make Check Payable To: Pacific Northwest Administration (We do not take VISA)

	Participant's Name _____	Notes
FOR OFFICE USE	<input type="checkbox"/> Cash <input type="checkbox"/> Check# _____ Date paid ___/___/___	_____
	For Checks: <input type="checkbox"/> Institution <input type="checkbox"/> Business <input type="checkbox"/> Personal	_____
	Name on check _____	_____
	Total Payment: Individual \$ _____ Group \$ _____	_____

NORTHWEST CENTER FOR SMALL FRUITS RESEARCH

2006 ANNUAL CONFERENCE SCHEDULE OF EVENTS

Kennewick, Washington

DRAFT

Thursday, November 30

❖ 7:00 am - 8:00 am	TWG Breakfast Briefing Technical Working Group officers only please	Clearwater A
❖ 7:15 am - 12:00 pm	Registration	Foyer
❖ 8:00 am - 9:00 am	General Session	Ballrooms 4/5
❖ 9:15 am - 12:00 pm	Technical Working Group Meetings	
	Pest Management TWG Ballroom 5	Berry/Grape Processing TWG Clearwater A/B
		Production/Physiology TWG Clearwater C
❖ 12:00 - 12:45 pm	Lunch & Informal Discussion <i>(Pick up box lunch from Foyer and attend TWG discussion of your choice)</i>	
	Pest Management Ballroom 5	Berry/Grape Processing Clearwater A/B
		Wine Ballroom 1
		Genetics Ballrooms 2/3
		Production/Phys Clearwater C
❖ 12:45 pm - 1:45 pm	Priority Setting Sessions I	
	Blueberry Cranberry Strawberry Clearwater C - Rod Cook, Chair	Grape Viticulture Ballroom 1 - David Bryla, Chair
❖ 1:45 pm - 4:30 pm	Technical Working Group Meetings	
	Pest Management contd. Ballroom 5	Genetics TWG Ballrooms 2/3
		Wine TWG Ballroom 1
		Production/Phys contd. Clearwater C
❖ 4:30 pm - 5:30 pm	Priority Setting Sessions II	
	Raspberry, Blackberry & Minor Crop Ballroom 5 - Ron Fujii & David James, Chair	Wine Ballroom 1 - Jungmin Lee, Chair
❖ 6:00 pm	Wine Tasting	Atrium
❖ 6:45 pm - 9:00 pm	Dinner & Keynote Address	

Friday, December 1

❖ 7:00 am - 8:00 am	❖ Advisory Council Meeting	Ballroom 5
❖ 8:00 am - 9:30 am	❖ Liaison Committee Breakfast Meeting Breakfast provided	Clearwater C
❖ 9:30 am - 11:00 am	❖ Coordinating Committee Meeting	Clearwater C

Technical Working Group Chairs

Genetics: Rod Cook • Production/Physiology: David Bryla • Pest Management: David James
Berry/Grape Processing: Ron Fujii • Wine Processing: Jungmin Lee

Research Reporting Information

Researchers who were awarded competitive grants last year or funds from the Small Fruits Initiative will be our presenters at the conference. See below for details.

Required From All Researchers Who Received NCSFR Competitive Grant Funding Last Year

2004 Reviewed, 2005 Funded, 2006 Reporting

- 1) Abstract for Pre-Proceedings:** Prepare a 1/3 page abstract in non-scientist/layperson language briefly summarizing your work to date.
- 2) Progress Report for Proceedings:** Prepare a one-two page summary of your work to date. Report should include: title, principal investigator and cooperators, objectives, brief statement of procedures, results, discussion of accomplishments (comparison of actual results with the original goals), potential significance to industry, and funding sources. Note: A final report is required the following year if the work is not finished and reported on in time for a progress report.
- 3) Research Impact Statements/Success Stories:** Prepare one-two paragraphs outlining the economic, health, food safety or environmental impact your project has made or has the potential to make. Some of these will be selected to present to the United States Congress.
- 4) Scientific Citations:** Provide a list of all scientific citations and papers that have been published as a result of the funding you received from NCSFR.

DEADLINE FOR ABOVE: Please E-Mail to us no later than Friday, October 20th

- 5) Prepare an Oral Progress Report for the Annual Conference:** See the enclosed list of research projects. (Please Note: If you are unable to attend, please designate someone else to present your progress report)

Required From All Researchers Who Received NCSFR Funding for the Small Fruits Initiative - Plant Improvement

- 1) Report for Pre-Proceedings:** Prepare a one page report of your work to-date in non-scientist/layperson language briefly summarizing your Small Fruits Initiative funded work.

DEADLINE: Please E-Mail to us no later than Friday, October 20th

- 2) Prepare an Oral Progress Report for the Annual Conference:** See enclosed list.
- 3) Posters:** Bring a poster/display to the NCSFR Annual Conference that provides an overview of your work. These posters will be displayed in the Technical Working Group rooms.

Posters for the Annual Conference - All Researchers (Optional)

All researchers are invited to show their current small fruits research posters/displays at the Annual Conference. They will be displayed during the wine reception and dinner.

Northwest Center for Small Fruits Research

4845 B SW Dresden Ave, Corvallis, OR 97333

Phone: 541-758-4043 Fax: 541-758-4553 pnwa@comcast.net www.nwsmallfruits.org

Northwest Center for Small Fruits Research Projects: 2004 Reviewed, 2005 Funded, 2006 Conference Reporting

Important Note to Researchers: Please check this list to see if your project is listed. If so, we will need the following from you:

Competitive Grant Recipients:	Small Fruits Initiative Funding Recipients:
1) Abstract for Pre-Proceedings 2) Progress Report for Proceedings 3) Research Impact Statements/Success Stories 4) Scientific Citations 5) Oral report at the Annual Conference.	1) Abstract for Pre-Proceedings 2) Poster for Annual Conference 3) Oral report at the Annual Conference

The chair for your Technical Working Group is listed with his/her contact info. They will be contacting you to put you on the agenda.

Berry Grape Processing – Ron Fujii 503-507-2964 fugee111@hotmail.com

yanyun.zhao@oregonstate.edu 541-737-9151	Zhao, Yanyun Strik, Bernadine	Improving Fruit Quality and Storage Life of the Hardy Kiwifruit
PriorRonaldL@uams.edu 501-320-2747	Prior, Ron	Berry Anthocyanins and the Prevention of Obesity
yanyun.zhao@oregonstate.edu 541-737-9151	Zhao, Yanyun Daeschel, Mark	Effects of Food Processing Technologies on Nutraceutical Content of Raspberries, Strawberries, and Blackberries
brian.yorgey@oregonstate.edu 541-737-6496	Yorgey, Brian	Small Fruits Initiative Funding

Pest Management – David James 509-786-9280 djames@tricity.wsu.edu

wei.yang@oregonstate.edu 503-678-1264 ext.26	Yang, Wei	An In-depth Study of the Biology and Life Cycle of Blueberry Gall Midge
pattenk@wsu.edu 360-642-2031	Patten, Kim	Applications of new Pest Strategies in Cranberries
martinrr@science.oregonstate.edu 541-738-4041	Martin, Robert	Characterization, Epidemiology and Control of Viruses Involved in Black Raspberry Decline
martinrr@science.oregonstate.edu 541-738-4041	Martin, Robert	Characterization and Detection of a Virus Associated with Blueberry Fruit Drop Disease
tanigosh@wsu.edu 360-576-6030	Tanigoshi, Lynell	Integrating Chemical and Cultural Controls for Root Weevil Management in Strawberries
djames@tricity.wsu.edu 509-786-9280	James, David; Olmstead, Mercy; Grasswitz, Tess	Attraction and Retention of Beneficial Insects Through Enhanced Plant Biodiversity in Irrigated Vineyards (Vitis Vinifera L.)
schreiner@science.oregonstate.edu 541-738-4084	Schreiner, R. Paul Pinkerton, Jack Bryla, David	Evaluation of Nematode Resistant Grape Rootstock for Managing Mesocriconema xenoplax
grove@wsu.edu 509-786-9283	Grove, Gary G.	Improved Precision of Grapevine Powdery Mildew Models
djames@tricity.wsu.edu 509-786-9280	James, David Hebert, V.	Herbivore-Induced Plant Volatiles as an Aid to Conservation Biological Control in Grapes

Wine Processing – Jungmin Lee 208-722-6701 ext 282 jlee@uidaho.edu

edwardsc@wsu.edu 509-335-6612	Edwards, Charles	Limiting Reductive Character in Wines from Pacific Northwest
michael.qian@oregonstate.edu 541-737-9114	Qian, Michael	Characterization of Formation of Off-Flavor in Oregon Wines
Alan.Bakalinsky@orst.edu 541-737-6510	Bakalinsky, Alan Harbertson, Jim	Enhancing Red Wine Texture by Aging on the Yeast Lees
james.kennedy@orst.edu 541-737-9150 cortellj@onid.orst.edu 541-737-8027	Kennedy, James Cortell, Jessica	Grape Phenolics and Wine Quality: Measuring Spatial Variability in a Commercial Vineyard Using Precision Agriculture Tools
james.kennedy@orst.edu 541-737-9150	Kennedy, James	Characterization of Tannin Isolated from Red Wine During Maceration

Northwest Center for Small Fruits Research Projects: 2004 Reviewed, 2005 Funded, 2006 Conference Reporting

Production/Physiology – David Bryla 541-738-4094 brylad@onid.orst.edu

strikb@science.oregonstate.edu 541-737-5434	Strik, Bernadine	Fertility and Soil Management in Newly Established Blueberry Fields
brylad@onid.orst.edu 541-738-4094	Bryla, David Strik, Bernadine	Irrigation Management Practices for Improving Growth and Production of Blueberry
wei.yang@oregonstate.edu 503-678-1264 ext.26	Yang, Wei	Using Grafted Blueberries to Improve Mechanical Harvesting for Fresh Market Quality Berries
diane.kaufman@oregonstate.edu 503-678-1264 ex23	Kaufman, Diane	Effect of Primocane Suppression on Plant Vigor and Purple Blotch Disease Management in EY Marion Blackberries
strikb@science.oregonstate.edu 541-737-5434	Strik, Bernadine	Primocane Management Systems for Increased Yield and Hardiness in 'Marion' Blackberry
schreinr@science.oregonstate.edu 541-738-4084	Schreiner, R. Paul Sweet, Rebecca	Water and Nutrient Competition with Cover Crops in Willamette Valley Vineyards
mkeller@wsu.edu 509-786-9281/9263	Keller, Markus	Dynamics of Grape Berry Growth and Physiology of Fruit Volume Change
LC89@Cornell.edu 607-255-1779	Cheng, Lailiang Keller, Markus	Leaf Chlorosis of 'Concord' Grapevines: Physiological Mechanisms and Practical Solutions
stevensr@wsu.edu 509-786-9231	Stevens, Robert Davenport, Joan R.	Cover Crops for N Supply for Organic Grape Production
efallahi@uidaho.edu 208-722-6701 ext225	Fallahi, Esmail	Table Grape Variety Evaluation for Adaptability and Improving Berry Quality, Yield, and Storage Life Under Desert Conditions of the Pacific Northwest
schreinr@science.oregonstate.edu 541-738-4084	Schreiner, R. Paul	Identifying Optimal Nutrient Concentrations for Premium Winegrape Production Based on Physiological Needs and Fruit Quality
carmo@science.oregonstate.edu 541-737-3464	Vasconcelos, Carmo	Effect of Irrigation on Pinot noir Performance in the Willamette Valley
strikb@science.oregonstate.edu 541-737-5434	Strik, Bernadine	Small Fruits Initiative Funding

Genetics – Rod Cook 503-843-2277 rod@overlakefoods.com

finnc@science.oregonstate.edu 541-738-4037	Finn, Chad; Thomas, Andrew; Byers, Pat	Genotype x Environment Interaction in Elderberry (<i>Sambucus</i> sp.) Cultivars and Selections Grown in Oregon and Missouri
finnc@science.oregonstate.edu 541-738-4037	Finn, Chad	Inheritance of Vegetative and Reproductive Traits in Black Raspberry (<i>R. occidentalis</i>)
thompson@onid.orst.edu 541-745-7266	Thompson, Maxine Barney, Danny	Edible-Fruited Honeysuckle, <i>Lonicera caerulea</i> L., Germplasm Evaluation and Cultivar Development
pattenk@wsu.edu 360-642-2031	Patten, Kim	Evaluation of New Cranberry Germplasm for Fresh Fruit Production in the Pacific Northwest
michael.qian@oregonstate.edu 541-737-9114	Qian, Michael	Fruit Quality Evaluation of Transgenic 'Meeker' and the Major Cultivars of Red Raspberry in the Pacific Northwest
bassiln@science.oregonstate.edu 541-738-4214	Bassil, Nahla Hummer, Kim	Identifying Blueberry Diversity Using DNA Fingerprints
strikb@science.oregonstate.edu 541-737-5434 khummer@ars-grin.gov 541-738-4201	Strik, Bernadine Hummer, Kim	Evaluation of Hardy Kiwifruit Germplasm
dbarney@uidaho.edu 208-263-2323	Barney, Danny	Domestication of Western Huckleberries
gamoulton@wsu.edu 360-848-6131	Moulton, Gary	Evaluation of Wine Grape Cultivars and Selections for a Cool Maritime Climate
moorepp@wsu.edu 253-445-4525	Moore, Pat	Small Fruits Initiative Funding