

# Crop and Soil News and Views

*Crop and Soil News and Views* is an annual publication of the Department of Crop and Soil Science at Oregon State University.

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Check out our webpage at: <http://cropandsoil.oregonstate.edu>

~ FALL 2013 ~



## FROM THE CORNER OFFICE

by Russ Karow, CSS Department Head

Greetings from the Department of Crop and Soil Science (CSS). This past year has been one of relative stability on budgetary and organizational fronts. This is a welcomed respite from the past several years but changes are again on the horizon. Synopses of events and activities over the past year and some knowns and speculations about the future are given below.

January 2013 was the start of our current legislative session in Oregon. As in several past sessions, the budget for the Agricultural Experiment Station and Extension Service (the major drivers in our CSS budget) were proposed for cuts by the Governor. The College and its supporters had to spend significant time and political capital to move the budget back to a continuing service level. This was done, but resulted in little new money for investment in rebuilding programs or exploring new ideas. It is the goal of College of Agricultural Sciences' (CAS) Dean Dan Arp to enter the 2015 session with a continuing service level budget on the table and to use our strong clientele support to obtain new funds for strengthening programs.

One piece of new funding that was obtained for 2013-15 is \$1.2M for a Fermentation Science Program - viticulture and enology, brewing and distilled spirits, cheeses and fermented dairy products, breads, and a small amount of funds for a work development project. The wine and distilling industries were the major lobbying supporters behind this funding effort and will receive greatest benefit from these initial funds. The Program received strong bipartisan support in the

(continued on page 2)

## "PICTURE THIS" TRIVIA QUESTION—

What is this a picture of?



(answer—and story—on page 7)

## WHAT'S IN THIS NEWSLETTER?

FROM THE CORNER OFFICE  
DEPARTMENTAL NEWS  
CSS ACADEMIC PROGRAMS  
CSS AWARDS/RECOGNITION  
NEWS ABOUT YOU, US, AND OTHERS

...and more!

## FROM THE CORNER OFFICE (cont.)

legislature as it is seen to have great potential for creating local jobs in both manufacturing and retail and in the tourism industry – artisan bakeries and cheese shops, wineries, brew pubs and distilleries. Additional funds for barley, hops and other ingredient production research will be sought in future years. Some short-term funds have been allocated to CSS faculty Pat Hayes (barley breeder) and Andrew Ross (cereal quality specialist) for purchase of equipment and to do development research to provide malt quality analysis capability at a local level. Such capability is of great interest to regional and national microbrewers.

OSU student enrollments are at record highs at OSU – 21,455 on campus, 3,767 in distance education programs and 936 at the OSU Cascades Campus in Bend. Enrollment is up in CAS and stable at about 45 undergraduates and 45 graduate students in CSS. There are national indications that as job markets continue to slowly improve, university enrollments may stabilize or drop; but for now, OSU is having to deal with teaching and housing this increased student body. Teaching is presently the smallest part of activity in CAS versus Experiment Station research and Extension activities but will need to become a more significant part of our work. Some extension faculty have had classroom teaching added to their duties and additional options in this regard are likely to be explored.

OSU is building a number of new buildings. A new College of Business building is funded on a roughly 50-50 basis by private donations and state bonding. A new classroom building is funded with state bonds in anticipation of student tuition paying off the loan. If you would like to have a building named after you, we can line you up with someone from the OSU Foundation to explore ideas.

As you may have heard, legislation was passed in the 2013 Oregon session to allow state universities to form their own management boards versus being managed as they have in the past by the Oregon University System (OUS) Board. UO, PSU and OSU have opted to form boards. The OSU Board of Trustees has been appointed. See <http://oregonstate.edu/leadership/trustees> for member names and other information about this new board. The OSU Board will first meet in early January to begin the process of defining the boundaries, policies and procedures for their operation.

Federal budgets are a total unknown. Sequestration has resulted in 7-8% cuts to federal agricultural programs and grants. Additional cuts may be in the offing if pending budget changes result in increases for military and other higher priority budgets. The outlook is not bright for future federal funding of agriculture and natural resource programs.

Grants are another means by which faculty can obtain funds for program operation and in the case of most recent hires, a portion of the person's salary. OSU grant funding totaled @\$200M in 2012-13. This is below the \$206M level of the previous year but still higher than the level of other state universities in Oregon. OSU is Oregon's number one research university in terms of grant funding. The CAS grant total in 2012-13 was @\$53M, over one-fourth of OSU's total and a similar figure as in 2011-12. Despite reductions in federal grant dollars overall, OSU grant funding success is stable to improving. This is good news but while grants can provide valuable operational support, they also dictate the direction of research or extension activity that the faculty member must do. This can sometimes reduce the potential for faculty to take on new or emergency need activities for which they do not have operational support.

OSU is setting records for funds contributed to the OSU Foundation to establish endowments and other funding mechanisms that are outside state and federal funds. Endowments will provide some level of on-going stability to those programs that have them. The Oregon Potato Commission began one endowment (\$500K) for potato research support in the Hermiston area in fall 2012 and signed paperwork to establish another with a Klamath Basin focus (\$250K) in October of this year. Such endowments provide some leverage with CAS in refilling key faculty positions when they become vacant. An endowment in memory of our soil science colleague Dr. Benno Warkentin was established this past year. Proceeds from this endowment are being used to support student learning activities in soil science. I invite you to look through the list of endowments on the last page of this newsletter and encourage your contributions, small or large, to our future. More information about these endowments and about creating an endowment can be provided to those with interest.

Our faculty and students, past and present, continue to do great work and be recognized for it. A number of faculty were promoted, several won College, regional or national awards. A full listing of awards and honors and student scholarship winners can be found in later articles in this newsletter.

Dr. Dan Ball, weed scientist at Pendleton, retired at the end of November. John Hart, Extension Soil Fertility Specialist, will "hang up his shingle" at the end of March 2014. Bill Young is also in retirement mode. Bill will be on a part time appointment through the end of 2014. Bill and John received a joint award from the Oregon Ryegrass Growers

*(Corner Office continues on page 22)*

## DEPARTMENTAL NEWS

### ALUMNI/RETIREE DINNER

We had 29 guests participate in the CSS alumni, retired faculty and staff and friends dinner that was held on June 21, 2013 in the Crop Science Building. Good food and conversation was enjoyed by all. Some people had not seen each other in decades, so memories flowed along with food and drink. Upcoming events for alumni, retirees, and friends will be: our Holiday Party on December 13 at the Episcopal Church of the Good Samaritan; our Spring Potluck (in conjunction with our off-campus faculty and staff meeting) at noon on Wednesday, March 19, 2014 in Crops 138; and our spring student awards ceremony on the evening of Tuesday, May 27, 2014. We hope to see many of you there!

### FALL 2013 DEPARTMENTAL PICNIC

The Esprit de Corps Committee met on a warm day in August to discuss plans for the “Welcome Back to the School Year” picnic/potluck. We chose to have the event on a Wednesday in September during the week before school begins and when most of the new graduate students have settled in Corvallis (and they would have participated in an orientation meeting at the department level that morning). The date chosen was September 25 and the gathering would be held at the Avery Park Thompson Shelter.

Who knew that we would actually be experiencing fall weather three days after fall began! Rain and wind began that day and, to be honest, it didn't look like it would clear up for the picnic. But even though it was chilly, the rain did stay away and we (being stalwart Oregonians) had the picnic in the cold! The department provided fried and grilled chicken (and veggie burgers for a vegetarian option), while the faculty, staff, and students brought potluck items. Here are some pictures from the event.



As the picnic began, a scavenger hunt of sorts started—guests had to find someone in the crowd who had a distinctive skill or trait or descriptive term that would match a square on their Bingo card. A great ice-breaker, the first 5-10 guests who “Bingo”-ed would receive a special prize!



Barely visible through a smoky haze (coming from the charcoal grills), Russ Karow and James Cassidy set up a prep area for items to be grilled.



Why does James Cassidy (left) look so serious? Is Pat Hayes (right) questioning him on his choice of grilling peppers rather than barley?

## DEPARTMENTAL NEWS (cont.)



Nate Onstott (above) finds an easy way to win at the game of Corn Hole—stand directly in front of the corn hole board! (Right) David Staton, an OSU undergraduate in the Sustainable Cemeteries program, and his guest, take delight in Nate's bravado!



Curt Onstott (right) decides it's best to remove his son, Nate, from a potentially problematic Corn Hole game! Let's try badminton, Nate!



Andy Hulting, Neil Christensen (Emeritus), and Neil's wife, Dayle



New PhD soils graduate student, Mohamed Abdallah (left) introduces himself to current M.S. soils graduate student, Adam Lindsley.



New PhD crops graduate student, Pete Berry (right), answers Bingo questions from his wife, Holly, while holding their daughter (future student?!) Lucy.



Peter Bottomley and Neil Christensen

## DEPARTMENTAL NEWS (cont.)

More pictures from the departmental picnic...



From left: Trang Nguyen (new PhD graduate student in soils), her guest (both with their backs to the camera), and Kelly Donegan (departmental undergraduate head advisor), and Kelly's husband, Jim DiGiulio



LET'S EAT!

And here are some pictures from last year's Holiday party!...

Dave Chilcote (Emeritus, 2<sup>nd</sup> from left) and his cappella group, *The Investments*, sing...



while Addison Hulting (held by father, Andy) dances to the music...



before Santa's arrival at the end of the night!

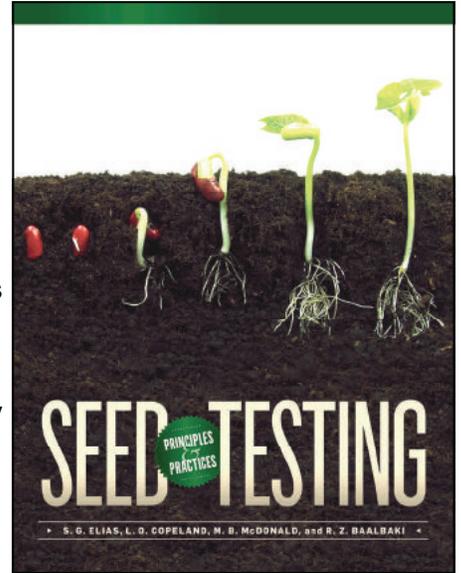


## Book Review

**SEED TESTING: PRINCIPLES AND PRACTICES**, S.G. Elias, L.O. Copeland, M.B. McDonald, and R.Z. Baalbaki. Michigan State University Press, E. Lansing, MI 48823-5245. 2012. ISBN 978-1-61186-039-9.

A new book titled “**Seed Testing: Principles and Practices**,” first edition by S.G. Elias, L.O. Copeland, M.B. McDonald, and R.Z. Baalbaki came out in 2012, and is available to those who are interested in the seed quality evaluation area.

The new book has comprehensive guide, which outlines the most widely performed modern seed quality tests, explores the principles behind them, the history of seed testing, why seeds are tested and when. A detailed morphological and structural description of seed formation and development is provided. The book examines the testing of genetic traits and transgenic seeds, including DNA and protein based tests for genetic purity determination, as well as cultivar purity identification tests for conventional seeds. In addition, it describes the most common tests for seed purity and viability, seed and seedling vigor, seed-borne diseases, and seed moisture determination. The book also describes sampling, sub-sampling, and statistical applications of seed testing and tolerances. Finally, it reviews seed laboratory management, accreditation, and seed quality assurance programs. This book is an invaluable source of information for seed specialists, researchers, students, instructors, and those who are interested in seed quality evaluation. The new book is now available from Michigan State University Press. See details on the publisher’s webpage: <http://msupress.msu.edu/bookTemplate.php?bookID=4316>

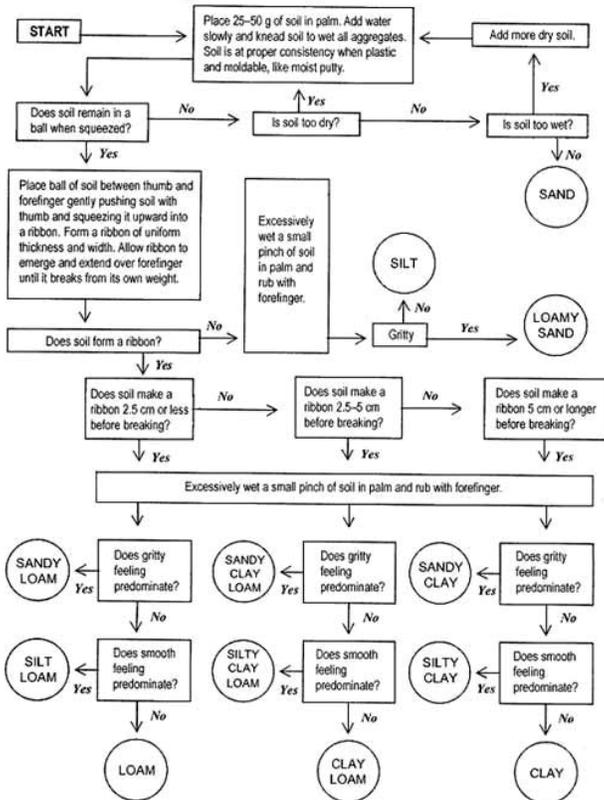


This book is a comprehensive “one stop” reference, presenting an excellent overview of current seed quality tests, techniques and technologies used in the seed testing community today. It is an extensive seed quality testing reference that can be used as a helpful tool for students, seed technologists, researchers, and seed industry personnel everywhere.

The book presents seed testing as the science of evaluating the quality of seeds to determine their value for planting. It also emphasizes that testing the quality of seeds before planting is a basic key to any crop production system. Through the use of high quality seed, among other agricultural inputs, producing enough food for the rising number of people in the world would be possible.

*(Thanks to Sabry Elias for the above information and to Larry Copeland who recommended an article about the book be included in this newsletter.)*

# “PICTURE THIS” TRIVIA—THE ANSWER!



That’s right! All of you who guessed it was a pair of filthy hands, you were right on the money. But we needed a little bit more of a detailed answer...it is a picture of SOILED hands—hands that become that way from soil texturing by feel. This soil texturing event was held in February 2013 in ALS 0018 (our infamous soil laboratory classroom) and Lynn Ketchum (Professor/Video Producer and Photographer) of the Extension and Experiment Station Communications office was there to capture the event with photos. Below is a picture of soils graduate student, Shannon Andrews, creating a soil “ribbon”—one does this by following the soil texture chart (right). Does this bring back memories for any of our alumni?

*(And thanks again to Lynn Ketchum for the great photos!)*



## CSS AWARDS AND RECOGNITION

### FACULTY AND STAFF

**Arnold Appleby**, Professor Emeritus

- CAS Agricultural Hall of Fame

**Joel Felix**, Malheur Experiment Station

- Promoted to the rank of Associate Professor with tenure

**Andrew Hulting**, Assoc. Professor of Weed Science

- President, Western Society of Weed Science

**Stephen Machado**, Columbia Basin Ag Research and Extension Center, Pendleton

- Promoted to the rank of Full Professor

**David Myrold**, Professor of Soil Microbiology

- Recipient of the Outstanding Alumnus Award, School of Forest Resources and Environmental Science, Michigan Technological University

**Silvia Rondon**, Associate Professor, Entomology, HAREC

- 2012 WSU CAHNRS Team Excellence Award (PNW-Veg Group); 2012 OECD Fellowship; Pacific Branch of the Entomological Society of America Award for Excellence in Extension

**Garry Stephenson**, Professor and Coordinator, Small Farms Program

- *Growing Farms Online*, Promotional Video Gold Award—Video Production, Association of Communication Excellence

### ~ The 25 Year Club ~

(founded in 1967 by OSU President James J. Jensen to honor those who had served as members of the university faculty or staff for 25 years or more)

- 2013 Inductees from CSS – Iraj Motazedian, Sandy Smith
- 30-Year Honorees – Joyce Eberhart, Itsue Pfund

### ADDITIONAL FACULTY AND STAFF AWARDS AND RECOGNITIONS



TEAM DROSOPHILA became the recipient of the 2013 College of Agricultural Sciences James and Mildred Oldfield/E.R. Jackman Team Award, given in October 2013. Team members include a couple of Crop and Soil Science Department members—**AMY DREVES** and **AMANDA OHRN**. Congratulations, Amy and Amanda!

In May 2013, **CAROL GARBACIK** was presented with the 2013 Appleby Service Award, created by Arnold and Gerry Appleby. Carol was nominated by her colleagues and the departmental award committee believed she was the resounding choice for this award. Carol has been a “mom” to generations of graduate and undergraduate students, helping them to settle into college, Corvallis, and their professional lives. Carol has also been the heart of Hyslop Farm—whether it being to organized summer picnics for farm users or celebratory events for birthdays, retirements, those headed to other positions on campus, and other significant life events. She helped design and organize the installation of recognition signs/plaques and a memorial garden at Hyslop to honor those who spent significant parts of their lives on the farm helping others to do their research. She epitomizes the vision that Arnold and Gerry had for their award—“contributions to the Department that are above and beyond those ordinarily considered as part of one’s job responsibilities.”



## CSS AWARDS AND RECOGNITION (cont.)



In June 2013, **ANDY HULTING** was named the fourth Hyslop Professor. He will hold this title and receive the funding associated with the position for a five-year period (2013-18). Established in 1998 by the Hyslop family and Oregon's grass seed crop industries, the professorship was first given to Carol Mallory-Smith. Mark Mellbye (retired Linn County Extension Agent) and Tom Chastain were subsequent holders of the professorship. Andy plans to use the Hyslop funds to support graduate student training, augment his Extension efforts directed at grass seed growers and agribusiness field personnel, and support the experiential learning and research experiences of undergraduates who work with the OSU Weed Science group.

The Columbia Basin Agricultural and Research Center (CBARC) Research Staff have been awarded the 2013 Distinguished Service Award by the Oregon Wheat Growers League. **STEPHEN MACHADO** informed us of this honor in an email to Russ Karow, among others. The award was presented at the Tri-State Grains Conference held in November in Spokane, WA, and it is in appreciation of CBARC's dedication to the wheat industry. Congratulations to all of you!



**ITSUE PFUND**, Finance and Accounting Manager in the Agricultural Sciences and Marine Sciences Business Center (AMBC), has been awarded the Division of Finance and Administration All Star Award. This highest of awards recognizes actions and achievements that demonstrate alignment with the core values of the division.

**GARRY STEPHENSON** was appointed in September 2013 by the U.S. Secretary of Agriculture to serve during the next two-year term of the Secretary's Advisory Committee on Beginning Farmers and Ranchers.

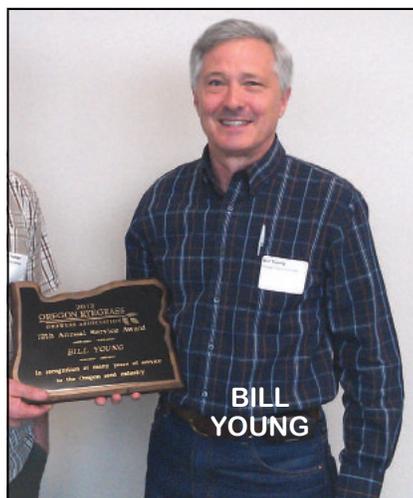


**DAN SULLIVAN**, along with co-authors James Julian, Bernadine Strik, Handell Larco, and David Bryla, received news that their paper "Costs of Establishing Organic Northern Highbush Blueberry: Impacts of Planting Method, Fertilization, and Mulch Type [HortScience 47(7):866-873] had been named the winner of the American Society of Horticultural Science Outstanding Extension Publication Award in April 2013. The group was honored at the 110<sup>th</sup> ASHS Annual Conference in Palm Desert, CA, in July.

In April 2013 at the OSU Extension Association Awards Ceremony, **DARRIN WALENTA** was a co-recipient of the Hoecker Experienced Faculty Award. Darrin commented to department head Russ Karow that the title of the award gave him pause to realize that he is now considered an "experienced faculty" member; Darrin considers himself as just beginning his work! Congratulations, Darrin!



## CSS AWARDS AND RECOGNITION (cont.)



**W.C. "BILL" YOUNG III and JOHN HART** won the Oregon Ryegrass Growers Association Service Award for 2013. This is the first time that the award has been jointly given. It was jointly awarded due to the fact that both Bill and John provided exceptional extension service to this group over their long careers. The service award was given to them at a ceremony in January 2013 in Albany, OR, recognizing their combined 62 years of service to the seed industry in Oregon. Bill and John have published over 100 extension articles and management guides. The award also recognizes their valuable on-farm research efforts that encompassed alternatives to field burning and nutrient management.



### **GRADUATE STUDENTS**

SUPHANNIKA INTANON received an OSU Graduate School Graduate Student Travel Award to help support her travel to the Fourth Tropical Weed Science Conference in January 2013. The award was in the amount of \$1,000.

BRIGID MEINTS, a graduate student in the crops program of the department with Pat Hayes as her major professor, received a \$1,500 Oregon Lottery Graduate Scholarship award for the 2013-14 academic year. Selection for this prestigious university-wide fellowship competition is definitely an honor. Brigid's thesis research involves development of barley for human nutrition. She is doing leading edge food quality work, working with the latest genetic and plant breeding technologies, reaching back into history to explore the characteristics of ancient food barleys from around the world, and she is an active participant in end product development and release of new food barley varieties.

### **UNDERGRADUATE STUDENTS**

CHRISTY McCARTHY, an undergraduate in the soils program in the department, was offered and accepted a six-month internship with DuPont Pioneer in Hermiston, OR. She did the internship from April through September 2013. Part of her assigned work was as an area supervisor assistant, involved in the planting of female and male corn seed. She was also involved in trait spray counts, stand counts, silk and shed counts, yield estimates and moisture sampling. She was assigned a research project where she studied how different planting populations affected yield and pollination; the results of this project will be presented to Pioneer employees in Johnston, IA.

## CSS ACADEMIC PROGRAMS

### **STUDENT CLUBS**

The Department of Crop and Soil Science is the host department for five student clubs. They are: Association of Graduate Soil Scientists, OSU Organic Growers' Club, OSU Crops Club, OSU BugZoo, and OSU Soil Judging. If you would like to contact any of the clubs or their advisors, please email Tracy at [tracy.mitzel@oregonstate.edu](mailto:tracy.mitzel@oregonstate.edu) and she'll forward your message on to the appropriate people.



The OSU Organic Growers Club grow and harvest produce for sale at local farmers' markets and in the lobby of the ALS Building on campus on Fridays throughout the season.



## CSS ACADEMIC PROGRAMS (cont.)

### SCHOLARSHIP WINNERS

The Department of Crop and Soil Science offers more than 25 student scholarships each year. For the 2013-14 academic year, \$26,450 in departmental scholarships were awarded, and an additional \$33,125 from other funds (including College of Agricultural Sciences, professional society, and industry sources) was also given to CSS students as either scholarships or awards for a total of \$59,575. The Student Honors and Awards Reception Night was held on May 28, 2013 at the LaSells Stewart Center on campus, where we also honored graduate and undergraduate students who had been awarded their diplomas throughout the academic year. Here's a few pictures from the happy event!



Donors and students and parents  
(and guests and professors)....oh, my!

## CSS ACADEMIC PROGRAMS (cont.)

**Raquel Albee**, Undergraduate Student

- *Loren J. Smith Memorial Ag Honors*
- *John W. Demuth Jr. Ag Sciences*

**Shannon Andrews**, Graduate Student

- *Robert & Carolyn Witters Travel Fund*

**Nathan Azevedo**, Undergraduate Student

- *Johnny R. & Helen H. Thomas Scholarship*
- *John Flanagan Memorial Scholarship*

**John Beitel**, Undergraduate Student

- *Oregon Seed Cleaning Scholarship*
- *M. Dale Chipman Memorial Scholarship*

**Araby Belcher**, Graduate Student

- *Sheldon Ladd Memorial Scholarship*
- *Robert & Carolyn Witters Travel Fund*

**Jonathan Blatchford**, Undergraduate Student

- *Donald D. Hill Memorial Scholarship*
- *M. Dale Chipman Memorial Scholarship*

**Nicole Brentano**, Undergraduate Student

- *Savery Agricultural Honors Scholarship*

**Stephany Chacon**, Graduate Student

- *Thomas L. Jackson Memorial Travel Fund*

**Jordyn Coon**, Undergraduate Student

- *Timothy Scott Wirth Memorial Scholarship*

**Alyssa Duval**, Graduate Student

- *Rod and Ruby Frakes Scholarship*

**Sierra Engler**, Undergraduate Student (EOU)

- *Larry C. Burrill Memorial Scholarship*
- *Robert Dean Jones Scholarship*

**Fumiaki Funahashi**, Graduate Student

- *J. Ritchie Cowan Memorial Scholarship*
- *Robert & Carolyn Witters Travel Fund*

**Ryan Graebner**, Graduate Student

- *Dorothea & Henry Rampton Memorial*

**Tiffany Harper**, Undergraduate Student

- *Oregon Seed Association Scholarship*
- *American Seed Trade Association Scholarship*

**Jason Hayes**, Undergraduate Student

- *Arthur King Memorial Scholarship*
- *Leo L. Anderson, Jr. Memorial Scholarship*

**Suphannika Intanon**, Graduate Student

- *Robert & Carolyn Witters Travel Fund*

**Andrew Jaques**, Undergraduate Student

- *McGuire Crop Science Scholarship*
- *Robert H. Warrens Memorial Scholarship*

**Jacob Kollen**, Undergraduate Student

- *Johnny R. & Helen H. Thomas Scholarship*
- *Leo L. Anderson, Jr. Memorial Scholarship*

**Stacey Kuhn**, Undergraduate Student

- *Oregon Seed Growers League Scholarship*



Stacey Kuhn accepted her award from the Oregon Seed Growers League at their annual meeting, which was held December 2012.

**Dylan Larkin**, Undergraduate Student

- *Pacific Seed Association Scholarship*

**Yitian Lin**, Undergraduate Student

- *J. Ritchie Cowan Memorial Scholarship*

**Andrew Livesay**, Undergraduate Student

- *Wilson H. Foote Memorial Scholarship*

**Xinda Lu**, Graduate Student

- *J. Ritchie Cowan Memorial Scholarship*

**Marshall Maier**, Undergraduate Student

- *Johnny R. & Helen H. Thomas Scholarship*
- *Wilbur Powers Memorial Scholarship*

**Franklin Maricle**, Undergraduate Student

- *Jernstedt Family Ag Honors Scholarship*
- *John W. Demuth Jr. Ag Sciences*
- *Malcolm Johnson Scholarship*

**Bianca Martins**, Graduate Student

- *Grace Armah-Agyeman Travel Award*

**Phillip Mauss**, Undergraduate Student

- *Donald D. Hill Memorial Scholarship*

## CSS ACADEMIC PROGRAMS (cont.)

- Christy McCarthy**, Undergraduate Student
- *Johnny R. & Helen H. Thomas Scholarship*
  - *John Flanagan Memorial Scholarship*
  - *Oregon Seed Association Scholarship*

- Brigid Meints**, Graduate Student
- *Dorothea & Henry Rampton Memorial*
  - *Robert & Carolyn Witters Travel Fund*

- John Miskella**, Graduate Student
- *Larry C. Burrill Memorial Scholarship*

- Nelson Peterson**, Undergraduate Student
- *M. Dale Chipman Memorial Scholarship*

- Kelsey Potter**, Undergraduate Student
- *M. Dale Chipman Memorial Scholarship*

- Brianna Randow**, Graduate Student
- *Sheldon L. Ladd Memorial Scholarship*

- Holly Schriever**, Undergraduate Student
- *Sheldon L. Ladd Memorial Scholarship*
  - *William & Heidi Geschwill Scholarship*

- Katherine Smith**, Undergraduate Student (EOU)
- *Timothy Scott Wirth Memorial Scholarship*

- Thomas Smith**, Undergraduate Student
- *Loren J. Smith Memorial Ag Honors*

- Daniel Stirewalt**, Undergraduate Student
- *John & Jean Krautscheid Scholarship*

- Yulin Sun**, Graduate Student
- *Thomas L. Jackson Memorial Travel Fund*

- M. Dolores Vazquez**, Graduate Student
- *Robert & Carolyn Witters Travel Fund*

- Sarah Wright**, Graduate Student
- *William Kent Wiley Memorial Scholarship*

- John Yeo**, Graduate Student
- *John & Jean Krautscheid Scholarship*

### CSS GRADUATES 2012-13

#### Undergraduate Students

Kody Albrecht (Sp'13)  
Michelle Anderson (Su'13)  
Nicolas Davalos (Su'13)  
Garrett Duyck (F'12)  
Austin Fricker (Sp'13)  
Jennifer Hang (Sp'13)  
Stephanie Jenck (Sp'13)  
Melissa Jenck-Stresing (Sp'13)  
Stacey Kuhn (Su'13)  
Gagan Pahuja (Su'12)  
Anna Sandau (Sp'13)  
Mitchell Sitton (Sp'13)  
Michael Sumner (Su'13)  
Leanna Van Slambrook (Sp'13)

#### Graduate Students

Shannon Andrews (Sp'13, MS)  
(major professor: David Myrold)

Amirmehdi Attarian (W'13, MS)  
(major professor: Carol Mallory-Smith)

Stanley Baker (Sp'13, PhD)  
(major professor: Russ Karow)

Melissa Broussard (F'12, MS)  
(major professor: Sujaya Rao)

Arthur Fisher (F'12, MS)  
(major professor: Maria Dragila)

Myles Gray (Sp'13, MS)  
(major professor: Markus Kleber)

Mingyang Liu (W'13, MS)  
(major professor: Carol Mallory-Smith)

Jennifer Olarra (F'12, MS)  
(major professor: Jay Noller)

Priscilla Woolverton (Sp'13, MS)  
(major professor: Maria Dragila)

### Dean's List, 2012-2013

Roslyn Albee (W'13, Sp'13)  
Nathan Azevedo (F'12, W'13, Sp'13)  
John Beitel (W'13, Sp'13)  
Nicolas Davalos (F'12, W'13, Sp'13)  
Garrett Duyck (F'12)

Sierra Engler (F'12, W'13, Sp'13)  
Jennifer Hang (W'13, Sp'13)  
Jason Hayes (Sp'13)  
Jacob Kollen (F'12, W'13, Sp'13)  
Dylan Larkin (Sp'13)

Andrew Livesay (F'12, W'13)  
Marshall Maier (F'12)  
Christy McCarthy (F'12, W'13)  
Justin McClaughry (Sp'13)  
Holly Schriever (W'13, Sp'13)  
Michael Sumner (F'12, W'13, Sp'13)

## NEWS: FROM YOU TO US, FROM US TO YOU

### NEW PERSONNEL

Andrew Altishin, Instructor/Seed Certification Specialist, hired 2/18/13

Cynthia Beal, Lecturer, hired 1/1/12

Mary Beuthin, Instructor/Seed Certification Specialist, hired 2/18/13

Melissa Broussard, Instructor, hired 9/16/13

Bill Buhrig joined the Malheur County Extension staff in October 2013 as a field crops agronomist. His position is somewhat unique in that it is not funded by state or federal dollars but by dollars derived from a special tax district created for extension and experiment station support in Malheur County. Bill is a Malheur County native and owns a small farm and custom hay baling business. He holds a BS degree in Business Administration from the Ag Program at EOU and a MS degree in Plant Sciences from the University of Idaho. He has over 15 years of experience in work as a staff member at the Parma Experiment Station and brings extensive knowledge with him of cropping systems in the Treasure Valley to his new position.

Scott Fisk, Faculty Research Assistant, hired 5/1/12

Kerry Grimm-Greenblatt, Instructor, hired 9/16/13

Evan Hansen, Faculty Research Assistant, hired 3/29/13

Laura Helgerson, Biological Sciences Research Technical 2, hired 1/2/13

Suphannika Intanon, Post-Doc Scholar, hired 10/1/13. Suphannika received her PhD in Crop Science at OSU and began a post-doctoral scholar position with Carol Mallory-Smith in October 2013. She will help in the Weed Management course, collaborate with visiting scholars' projects, and assist graduate students in ongoing research projects.



**Suphannika Intanon**

Stephanie Jenck, Faculty Research Assistant, hired 6/17/13

Chris Klatt, Post-Doc Scholar, hired 11/1/13. Chris obtained his PhD in Ecology and Environmental Sciences at Montana State University with work on the phototrophic microbial mats that form in geothermal springs of Yellowstone National Park. He is interested in the functional attributes of microbial communities and the degree to which they catalyze biogeochemical cycling in soils. He is currently working with Dave Myrold (CSS, OSU) and Mona Högborg (from the Swedish University of Agricultural Sciences) on a project that characterizes the contributions of microbial communities to carbon and nitrogen cycling in the rhizosphere of boreal forest stands in Northern Sweden.

Kelly Morales, Instructor, hired 9/16/13



Heather Pedersen, Office Specialist 2, Seed Certification, hired 1/28/13. After over 10 years in the staffing industry Heather decided to make a career change and get a degree in Natural Resource Management and Administration. She and her husband moved to Corvallis from the Oregon coast earlier this year in order for her to finish her degree and she was thankful to be hired by Seed Certification. She currently assists with office operations, processing certified tag orders, and assisting the inspectors with projects. She hopes to finish her degree and continue working at OSU Seed Certification!

Fox Peterson, Research Associate/Instructor, hired 6/16/13

Claire Phillips, Instructor, hired 6/16/13

Brenten Reust, Faculty Research Assistant, hired 5/29/13

Nami Wada, Biological Sciences Research Technician 2. Nami received her BS degree in Microbiology at OSU and has been working in her current position since April 2013. She works closely with graduate students and visiting scholars in Carol Mallory-Smith's laboratory.



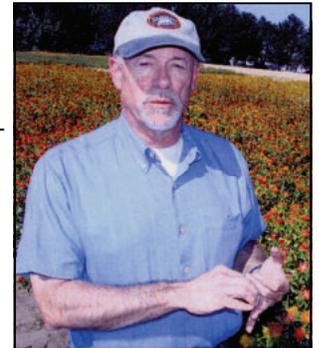
**Nami Wada (and her dog Hana)**

## NEWS: FROM YOU TO US, FROM US TO YOU (cont.)

### RETIREMENTS/RESIGNATIONS

Faculty Research Assistant, **CARYN ONG**, resigned her position in the department in January 2013. She worked for professor and cereal chemist, Andrew Ross. She and her husband (and baby Christopher!) were heading for Portland, OR, and a position at Oregon Health Sciences University.

In April 2013, **STEVE PETRIE**, director of the Columbia Basin Agricultural Research Center (CBARC), announced his resignation from OSU to accept a position in industry. Steve served as a member of the faculty at CBARC for a dozen years and will join Yara US, the largest fertilizer company in the world. He will become the manager of Yara's Agronomic Services unit and will be responsible for all agronomic activities in the western U.S., including overseeing field research, working with sales and marketing professionals throughout the west, and dealing with regulatory and environmental agencies. During his tenure at CBARC/OSU, Steve provided leadership for the faculty and staff there, and ensured a sound and productive relationship among colleagues at the Center, the community, and the agricultural industry.



Additional Resignations:

Jennifer Bergh, finished 6/30/13

Pat Dysart, finished 10/31/13

Glenn Fisher, finished part-time appointment 2/28/13

Brenten Reust, finished 10/29/13

Bob Smith, Biological Sciences Research Technician 2, transferred to Farms Unit 4/15/13

Lydia Zeglin, finished 5/31/13

### DEPARTMENTAL PERSONNEL NEWS

An addition of a baby boy was welcomed to the AUSTIN HAWK's home in July 2013. August (Gus) Holland Hawks was born on July 23. Austin is our Eastern Oregon University colleague, teaching crop and soil courses there. Congratulations, Austin, on your second child.



August (Gus) Holland Hawks



VIDYASAGAR (SAGAR) SATHUVALLI (introduced in last year's issue of *Crop and Soil News and Views*) was featured in the PotatoPro newsletter. Here is an excerpt of that news article: Sagar Sathuvalli is leading OSU's work to create new varieties of potatoes that are more nutritious and resist pests and diseases, including late blight. A native of India, Sagar spent most of the last decade earning his doctoral and master's degrees in horticulture from OSU. At the Hermiston Agricultural Research and Extension Center, Sagar and his colleagues will search for favorable traits in wild species of potatoes and then cross them with domesticated ones. Creating new breeds of potatoes can take at least 12

years but the researchers hope to speed up that process by using genetic markers, sequences of DNA that are found near genes that they are analyzing. As part of the Pacific Northwest Tri-State Breeding Program, Sagar and his peers in Oregon, Washington, and Idaho will collaborate on breeding and marketing efforts: "We will try to find solutions as a team," he says. "My main philosophy is to listen to growers, to see what they're interested in and any issues in variety development. I look forward to finding out what the industry needs." Seeing as though potatoes were Oregon's sixth most-important agricultural commodity (in terms of gross sales in 2011), it's no wonder that the Oregon Potato Commission has made a commitment to OSU to create an endowment for research.

SAGAR also became the inaugural holder of the Oregon Potato Research/Extension Professorship in 2012. The endowed position was created with a \$500,000 commitment from the Oregon Potato Commission to help fund a plant breeder to lead OSU's potato development efforts. Holders of this position will work to create new varieties of potatoes that are more nutritious and resist pests and diseases, including late blight. They will also circulate new information to farmers and processors.

## NEWS: FROM YOU TO US, FROM US TO YOU (cont.)

### DEPARTMENTAL PERSONNEL NEWS (cont.)

CLINT and Candace SHOCK's photographs were on exhibit at the Four Rivers Cultural Center in Ontario, OR, last spring (April through May 2013). The exhibit, titled "Wildflowers of the Four Rivers Region," included approximately 50 oversized 20 x 30 prints of beautiful wildflowers in extraordinary landscape settings. The photos had been taken over the last 20 years by Clint and Candace, who are extremely familiar with the region (Malheur County) and they have visited every spot in a five-county radius. Along with the exhibit, Clint and Candace gave a presentation to discuss the locations and species of the flowers on display. Here are a few examples of their beautiful photography:



*Sulfur Buckwheat (Ontario, June 2006)*



*Rocky Mountain Bee Plant, *Cleome Serrulata*  
(Malheur River Plain, August 2006)*



*Paintbrush (May 2012)*

M. SHAUN TOWNSEND was interviewed by the Oregon Public Broadcasting news in an article titled, "Home Brewers Look Into Growing Backyard Hops." Here's an excerpt from the OPB article: With craft beer and home brewing becoming more popular, interest is fermenting among gardeners in backyard hops. OSU's hops breeder, Shaun Townsend, said he regularly fields questions from the public about growing hops, while he also teaches workshops to prospective hops farmers/gardeners. If they wish to get started, Shaun advises them to plant hops in well-drained soils and make sure that the plants will have full sun exposure for optimum growth. He also tells them that they'll need at least a 10-foot trellis or pole system to train these vigorous climbers. "One or two plants are plenty for backyard cultivation," he said. One of the plants can yield about five to six pounds of fresh cones, the part of the plant that's used in beer. Hops produce different flavors of beer depending on the variety and he recommends the aromatic Cascade variety of hop that was developed through the USDA's breeding program at OSU in 1955—it can withstand climates anywhere from central Oregon to the Willamette Valley. Shaun also states that one should not over-fertilize the hops as a lot of nitrogen can propagate a lush, dense plant that could attract pests and diseases. However, during the first and second season, the plants will not be producing cones at full capacity but typically will be fully mature by the third season.

PRISCILLA WOOLVERTON, a recent recipient of a master's degree in soil science, was hired by the Planting Seeds of Change community partnership in Lebanon, Oregon. She was interviewed by Jennifer Moody, a reporter for the Albany Democrat-Herald, for a August 2013 article titled, "Lebanon School Gardens Give to Community." Here's an excerpt from that article: School gardens in Lebanon are growing more than just tomatoes and squash this summer. They're also growing more opportunities for access to fresh vegetables. Planting Seeds of Change, the community partnership that makes the gardens possible, is planning a trial run this fall at community supported agriculture (CSA). The organization is offering seven families (who are eligible for the Supplemental Nutrition Assistant Program) a chance at a weekly, five-pound CSA produce box—the cost is \$12 per box. The participants in the program must sign a contract that requires them to pay a deposit and stay with the program for all six weeks. Each box will contain a variety of whatever's fresh that week. Says Sheryl Casteen, spokeswoman for Planting Seeds of Change, "The whole idea is we are bringing fresh, whole vegetables to the program's recipients at an affordable price." The vegetables are from a garden at Cascades



## NEWS: FROM YOU TO US, FROM US TO YOU (cont.)

### **DEPARTMENTAL PERSONNEL NEWS (cont.)**

Elementary School, where Priscilla was hired as the garden's assistant manager in February 2013. If the demand for fresh produce grows, then the program may be able to accommodate even more participants, Priscilla told the reporter. However, she states that the fresh produce might reach the public in other ways—salad greens, tomatoes, and cucumbers are used in the free summer lunch program for children up to age 18 throughout the Lebanon district. And if the produce doesn't make it to the free lunch program, then it is sold at the downtown farmer's market. The proceeds from those sales go back to Planting Seeds of Change, which in turn supports more garden programs.

JAMES CASSIDY, Senior Instructor in Soils, was recently interviewed by Rebecca Olson for an on-line blog titled, *Idealists in Action* (Idealist.org). The article titled, "Realism over reverence: A loveable soil nerd's advice for sustainable activism," gave readers insight into James' opinions about food, sustainability and the "little things we can all do to make a difference in our food system." James, as the head advisor of the OSU Organic Growers Club, defines sustainability as, "doing little things over a long period of time.... ..change is slow. And it's not very dramatic or exciting. So you have to build activism into your life in a reasonable way. The activism itself has to be sustainable." By prioritizing reality over reverence, Cassidy has helped the club focus their attentions on the here and now—growing and sustaining at the club's farm's level instead of changing the world all at once.

Let's see how many YOU recognize: The following photograph was taken at an event to celebrate JOHN LEFFEL's 80<sup>th</sup> birthday. John was an extension agent for over 30 years, serving Washington County in Oregon. His special birthday party was planned by Mike McCarthy, Gale Gingrich, Mark Mellbye, and Bill Young, and it was hosted by Mike and Viv McCarthy at their Forest Grove home. (Nota bene: Mike and Viv are the proud parents of Christy McCarthy—see the *Awards section, Undergraduates.*) **Photo Credit: Carol Young**



(1) Mark Mellbye, (2) Mike Howell, (3) Gary Schneider, (4) Glenn Fischer, (5) John Burt, (6) Roger Fendall, (7) John Leffel, (8) Bill Young, (9) Gale Gingrich, (10) Wayne Mosher, (11) Gene Pirelli, (12) Walt Schroeder, (13) Mike McCarthy, (14) Dave Becker,\* (15) Lynn Cannon, (16) John Hart, (17) Mike Stoltz, (18) Jim Moore, and (19) Mike Gamroth.

\*Dave Becker was not associated with OSU, but is the son of Manning Becker (OSU Extension farm management specialist... now deceased), and was known to many Extension workers who had met in the Becker's Corvallis home for workshops in earlier years. (Thanks to Bill Young for the identifying numbers and the above text.)

## NEWS: FROM YOU TO US, FROM US TO YOU (cont.)

### IN MEMORIAM



**IRAJ MOTAZEDIAN**  
1948-2013

*(from Life@OSU--The Lives and Stories of Oregon State University)*—Iraj Motazedian passes from cancer at age 65: Iraj Motazedian, a seed certification specialist with Oregon State University Extension Service and a full-time faculty member in the Crop and Soil Science Department, died September 15 of kidney cancer. He was 65. Iraj came to OSU in 1989 and quickly became a key person on the Seed Certification staff, providing leadership for the inspection program throughout the northwest part of the Willamette Valley and Central Oregon. He also provided leadership for the Oregon OECD program for seed moving internationally, coordinated the Oregon certified seed warehouse program, and provided leadership for the personnel throughout the state who sample and tag seed at those warehouses. Iraj had recently co-developed a seed corn inspection program, and like his predecessor, Ivan Hagan, who mentored him into the certification program, he also was prepared to inspect all crops that were entered for certification. He was a volunteer with the Farmer to Farmer program (sponsored by USAID and Winrock/International), allowing him to assist people in other countries throughout the world. Iraj was firm and fair to all those who came to Seed Certification for its service, and he was treasured by his co-workers and greatly appreciated by the many, many seed producers in Oregon.

Comment sent to Life@OSU from Hossien El-Nashaar:

*I met Iraj for the first time in early 1993. We shared and exchanged a lot of knowledge and discussion about certified seed potatoes, field inspections, challenges facing potato growers and the seed potato market. We exchanged knowledge about international affairs related to Egypt (I was born in Egypt), Iran and other countries.*

*I recently visited with friends that Iraj and I had in common. Our friends and I agreed that if there were more people around our world as good as Iraj, our world would have been a much better place today. Iraj was a great man and I certainly will miss visiting with him. He was a wonderful and great human and an amazing person.*

**Iraj's obituary from the Corvallis Gazette-Times:** Iraj was born in a mountain village near Shiraz, Iran, in 1948. He completed his bachelor's degree in agronomy and horticulture at Pahlavi University (in Shiraz). During college he married his wife, Nourieh, and two years later they had their son, Vahid. Iraj was accepted to the graduate school at University of Nebraska-Lincoln, where he completed his master's degree in range management in 1979. He moved the family to Corvallis where they had their daughter, Tahirih, and where he earned his doctorate in rangeland resources at Oregon State University in 1984. He was offered a full-time position at OSU upon graduation, but chose instead to move his young family to Zimbabwe to help farmers in rural impoverished regions. In 1989 he returned to Corvallis to accept a full-time faculty position in the Crop and Soil Science Department at OSU.

Iraj was a man of countless self-taught talents. He had an inquisitive mind and an instinctive understanding of how things work, which allowed him to learn things simply by thinking about them. He was a gifted carpenter, and he built a great deal of fine furniture for friends and family over the decades. He mastered electrical work, auto mechanics, home restoration, plumbing, cooking, design and craftsmanship, and every other job that houses, kids, and cars can send your way over the course of 40 years. He always worked without instructions, plans, manuals or blueprints — all he needed were his mind and his hands.

In his spare time, he indulged his great love of nature; he loved to camp and hike and climb mountains (Jefferson, South Sister and Rainier, among others). He was a seasoned world traveler, having spent extensive time in Nigeria, Zimbabwe, Israel, Taiwan, Greece, England, Spain, Netherlands, India, Guatemala, Honduras, Nicaragua, Turkey, Armenia, and Afghanistan.

One of Iraj's most remarkable and enviable qualities was how effortlessly he achieved a perfectly balanced life. He was completely present in every aspect of his life, and always made everyone around him happy — bosses, co-workers, family, friends, neighbors. He was a loving father who always had time for his kids — whether he was setting up boxes

## NEWS: FROM YOU TO US, FROM US TO YOU (cont.)

### IN MEMORIAM (cont.)

in the driveway to teach them to parallel park, helping them practice soccer drills or assisting them with their homework. He was an affectionate husband who constantly strived to make his wife's dreams come true — from installing an indoor hot tub and walk-in closet to building her dream kitchen. He was a true friend to everyone who crossed his path. Any friend only needed to mention that they were having a problem with their bathroom or skylight, and Iraj would show up with his toolbox and his glowing smile to fix the problem. Nothing made him happier than serving others.

Iraj was a passionate member of the Baha'i Faith, and his faith pervaded every aspect of his life. As a Baha'i, he was dedicated to the spiritual betterment of the world, and he lived his life according to the Baha'i principles of service to humanity. He was a dedicated employee at Oregon State University—his coworkers spoke enthusiastically about his extremely strong work ethic, his engaging friendly manner, his firm sense of fairness and his ubiquitous happy smile. Iraj was passionately committed to helping farmers not only in the Pacific Northwest, but the world over. He specifically went into this field for the purpose of advancing agriculture in developing countries, to help feed the impoverished people of the world. He spent three years in Zimbabwe, setting up sustainable agriculture systems in rural regions. During the last decade of his life, he volunteered his services to the USDA, USAID and Winrock International programs and spent extensive time traveling to rural regions in India, Guatemala, Honduras, Nicaragua and Armenia, to help local farmers maximize their resources to better feed their people. In 2010 he spent six months in Kabul, Afghanistan, as part of a USDA convoy of agriculture specialists. Iraj had originally planned to volunteer his services there for a few years, because the need in that besieged region was so great, but he was forced to return home early after he was hospitalized for what were likely the early effects of cancer. He was officially diagnosed with kidney cancer later that year, in 2011, but he continued working full time until two months before his passing.

He did more in his lifetime than most of us could do in five lifetimes. He lived every moment of life to the fullest, and he was respected, admired and beloved by all whose lives he graced. Everyone who knew him could attest to his ever-present radiant smile of shiny white teeth, a smile that he managed even during his last moments of life.

Iraj is survived by his wife of 42 years, Nourieh of Corvallis; son Vahid, wife Catherine, and daughters Nina and Parisa of San Mateo, Calif.; daughter Tahirih and husband Karl Hansen of New Haven, Conn., as well as countless relatives and friends who love him dearly and will never forget him.



MARVIN D. KAUFFMAN died on December 6, 2012, at the Mennonite Home in Albany, OR. Marvin was born in Creston, MT, on June 25, 1936 and graduated from Oregon State University with a B.S. in Soils in 1963. He went to Cornell University and received his M.S. in 1965. After serving his Rosedale Mennonite Mission in Costa Rica from 1966-69, he and his wife, Anna, and their family returned to Albany in 1976 and he went to OSU again, receiving his Ph.D. in soil science in 1977. In 1980, he became an independent soil scientist/consultant, and was an active member of the Oregon Ryegrass Growers Association and a lifelong member of the National Alliance of Independent Crop Consultants. NEIL CHRISTENSEN noted that Marvin worked closely with many Extension faculty members and researchers in the department where he aimed at improving soil management practices. Neil also noted that Marvin was widely respected for his knowledge and personal integrity.



## NEWS: FROM YOU TO US, FROM US TO YOU (cont.)

### IN MEMORIAM (cont.)



In May 2013, long-time extension agent and friend of the CSS department, N.C. “NELS” ANDERSON passed away. Nels was born in North Dakota in 1918 and was raised on the farm where he was born. He graduated from North Dakota State University and worked for the state before coming to Oregon in 1946 as a county extension agent for Morrow County. He served there for 19 years then took a leave of absence to develop an agricultural training program in Niger (Africa) from 1965 to 1967. Nels, and his wife Esther, returned to Oregon where he was assigned to Linn County and then Wheeler County before becoming the Polk County Extension agent in 1968; in 1974, he retired and went to Botswana in an agricultural position to help farmers and ranchers develop better practices to raise cattle. In 1976, he and Esther returned to Polk County and lived in Dallas until their deaths (Esther preceded Nels in death in April of 2012, see the Fall 2012 issue of *News and Views*).



A long-time cooperater with Russ Karow and others in the CSS department, TOM ROBERTS, passed away in May 2013. Tom was born in New Mexico and grew up in Nebraska. Since 1981, Tom worked in the seed industry in the Willamette Valley; in 1996 he incorporated Oregon Seed and Grain and then retired in 2008.



JANET “JAN” MOSLEY, wife of retired professor of crop science ALVIN “AL” MOSLEY, died in June 2013 after a long fight with recurring cancer. Jan was born in Pendleton, OR, in 1946. She served as a police officer in Pendleton, Hermiston, and Albany before joining OSU. She was a secretary at Hermiston Agricultural Research and Extension Center, and then eventually came to OSU in Corvallis where she held different departmental office manager positions throughout her time here.



We were also recently informed of the following alumni who have passed away:

John G. Collins (Vicksburg, MS)  
Francis X. Lubega, '64, BS in Soils with Irrigation Specialty (Uganda)

### ALUMNI NEWS

JACK WARREN wrote to us that *“I am not a graduate of OSU but in 38 years of working as a Product Development Research Representative for Bayer Crop Protection, I worked closely with many Experiment Station personnel at all of the OSU Experiment Stations, so I almost feel like an alumnus!”*

ROY MEYER told us that *“I will complete my 34<sup>th</sup> year of soil and forestry consulting on March 9, 2013 after 20 years with the U.S. Forest Service, Oregon State University, and the Bureau of Land Management in Oregon and California.”* Wow, Roy—way to hang in there!

RICHARD MEAD, NutriScription Manager at Loveland Products in Fresno, CA, writes, *“Thank you for contributing an entire page to Dr. WARKENTIN in your Fall 2012 Crop and Soil Newsletter. Dr. Warkentin meant a lot to me. When I first started graduate school at OSU in the fall of 1979, I had no financial backing other than a B of A student loan. I initially was a soil science major yet didn't have a major professor. Dr. Warkentin, head of the Soil department at the time, knew of my predicament and by the spring quarter of 1980 he introduced me to Dr. Alvin Mosley in the Crop Science Department. Dr. Mosley soon offered me a fellowship with financial backing from the Oregon Potato Association. From there I had a wonderful time finishing my master's. I was actually the first graduate student to defend his thesis in the new Crop Science building, circa spring 1982. I have always been honored that a man of such high caliber was con-*

## NEWS: FROM YOU TO US, FROM US TO YOU (cont.)

### ALUMNI NEWS (cont.)

*cerned about a meager grad student, especially one that wasn't fully prepared financially. After graduation I spent 15 years with the USDA-ARS as a support research scientist and the last 15 years with Agrium's Crop Production Services company as a database agronomist. It has been a wonderful ride and I've always been appreciative of Oregon State whereby I give graciously to various OSU causes."*

JULI (PLATH) SAMPSON, soils graduate from 1976, updated us with this, *"Worked for SCS, then BLM, and finally Bonneville Power Administration as a soil scientist; then 'retired' as mom to three great kids, and finally went back to school for BS in nursing. I am now managing a maternity database for quality issues and research for the Providence Health System in Oregon, after twelve years as an OB nurse. I recently moved out to Colton, OR, from Portland and have a small acreage of timber, which I am learning to manage with help from our local extension program. I live on Jory soils, with a pretty good slope. In my spare time, I work in my studio on watercolors, oil paintings, weaving, spinning, and dyeing. Life is good!"*

### **FROM THE CORNER OFFICE (cont. from page 2)**

Association for their combined 62 years of service to the grass seed industries of Oregon (see announcement in the newsletter). Speaking of retirement, I have announced that I will also retire at the end of 2014. The search process for the new CSS head has begun. The position will soon be announced with a likely closing date in February 2014 with interviews to follow shortly thereafter. We are hoping to have the new head on board in fall 2014 but no later than January 2015. My wife and I plan to begin third careers as volunteers for local and international organizations. Searches for a new director of the Pendleton Experiment Station (see information on Petrie resignation later in the newsletter) and the weeds position at Pendleton are also underway.

Bill Buhrig began work as a field crops extension agent in Malheur County in October. Bill was hired not with state or federal funds but those derived from a special tax district created by voters in Malheur County. This is yet another new funding model for continuing agricultural work across the state. A bit of information about Bill is provided later in this newsletter.

We lost a number of CSS colleagues and friends this past year. Iraj Motazedian, Seed Certification Specialist, died unexpectedly in September. We mourn the loss of Iraj and others in our CSS family. Biographical information about those who died in the past year is presented in the "In Memoriam" section.

For more information about happenings in CAS, subscribe to the College's news magazine "Oregon's Agricultural Progress" (<http://oregonprogress.oregonstate.edu/index.php>) and to the College's monthly newsletter "The Source" (<http://agsci.oregonstate.edu/news/newsletters>). The latter also provides links to the newsletters of a number of departments in the College, including CSS.

This is our eighth annual newsletter. It is your newsletter and we encourage you to provide personal updates and suggestions on how we can make our newsletter of greatest value to you. Information on how to provide updates and suggestions can be found on the last page.

I thank you for your interest in and support of CSS. May you have a joyous holiday season and may our world become a better place for all in the year ahead.



Russ Karow

## NEWS: FROM YOU TO US, FROM US TO YOU (cont.)

### SPECIAL RECOGNITIONS

Neal Reiling of Wilsonville, OR, was recognized into the 2013 Diamond Pioneer Agricultural Achievement Registry. Neal was a Farm Crops major and graduate.

Tom McCoy of Wasco—inducted into the CAS Hall of Fame. Tom is a long-time Sherman County wheat grower (and now a county commissioner), a wheat commissioner, and a long-time cooperater with OSU on many fronts.

Crystal Rose-Fricker—CAS Alumni Award, Leader Award (20 years of professional experience). Crystal is a 1985 graduate student of Warren Kronstad (her thesis was on grass seed breeding). She is the president of both Pure-Seed Testing and Pure Seed Inc. She also is the proud mother of Austin Fricker, a current CSS graduate student in hops breeding.

Rollie Sears—CAS Alumni Award, Legacy Award (career lifetime achievement award). Rollie is a 1979 graduate student of Warren Kronstad, a former Kansas State University wheat breeder, and now works for Syngenta as a cereals team leader and senior technology fellow.



2013 Diamond Pioneer recipients at their ceremony.

From left to right: Betty Brose,  
Fred Stormshak (not from CSS),  
Neal Reiling, Bob Hockett

#### **Elizabeth “Betty” Brose**

Betty served as Director of Development for the College of Agricultural Sciences from 1988 until her retirement in 2001. Betty had an active role in developing the Diamond Pioneer awards. The Betty Brose Art About Agriculture Award was established in her honor in 2001. She focused on building strong, long-term relationships with alumni, friends and donors to the college. As a result, the college’s endowment grew from \$800,000 to over \$6M. Betty has been an effective ambassador for Oregon agriculture.

#### **Neal Reiling**

Neal attended Oregon State College, graduating in 1960 with a Bachelor’s degree in Farm Crops. He returned home to farm full time, raising crops with his father. In 1962 Neal and his father formed a partnership that became Reiling Farms, Inc. Neal was a strong supporter of the ag community and the local OSU Extension Office. He allowed the use of his crops and crop land for various experimental trials by OSU researchers and the local extension agents. He also hosted OSU Soils-Crops and Horticulture classes.

#### **Robert Hockett**

Bob started farming full time in 1983. Over the years he raised many different crops and currently the farm raises mainly perennial ryegrass and tall fescue for seed and wheat. In addition to the farming operation, in 1967 he started Bob’s Farm Services and join the Allied Chemical. He became one of first providers of liquid fertilizer in the area. Bob is a very active member of the ag industry and community. He has always been a strong supporter of local youth, the 4-H projects, and FFA programs. He also has supported the OSU research and Extension efforts as well. Bob is an innovative, forward thinker.

## NEWS: FROM YOU TO US, FROM US TO YOU (cont.)

### **SPECIAL RECOGNITIONS (cont.)**

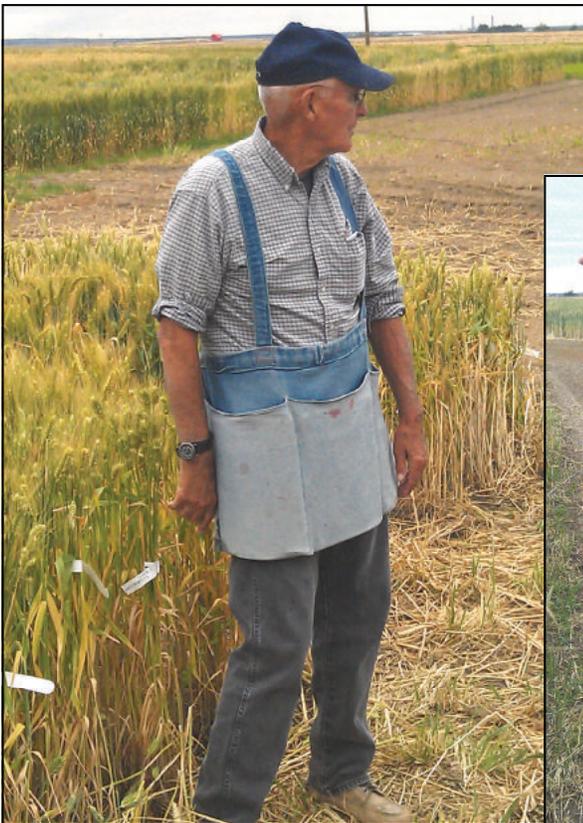
Additional 2013 Diamond Pioneer Registry inductees (unable to attend the ceremony):

#### **Harold Rodger Danielson**

Rodger joined the OSU seed lab in 1968 and became the Director in 1980, a position he held until his retirement in 1996. During his tenure he helped develop the seed lab into a state-of-art facility. Rodger taught the Seed Technology and Crop Inspection courses for years and conducted numerous short courses for the Oregon growers and out-of-state experts. The new Seed Lab building was planned and constructed under his direction in 1989. Rodger has been a hard-working, productive scientist who has been of tremendous benefit to Oregon seed growers and to Oregon agriculture.

#### **Grant Mead**

It seems Grant has always been present somewhere in agriculture in Wasco County. As the County Weedmaster in the early 1960s he discovered the first patch of Diffuse Knapweed and sought funding from the county to eliminate it. Without that extra \$300 in his budget, this weed had the potential to become the most wide-spread noxious weed in the county. His request was denied and the weed went on to fulfill his prediction. He later joined Dufur Farm Chemical (now North Central Ag) as a fieldman and later as manager. For over three decades, Grant was the man growers most relied on for weed and disease recognition and for formulating the best low-cost control measure for growers based on many, many research trials conducted both on his own or in conjunction with OSU extension and research staff.

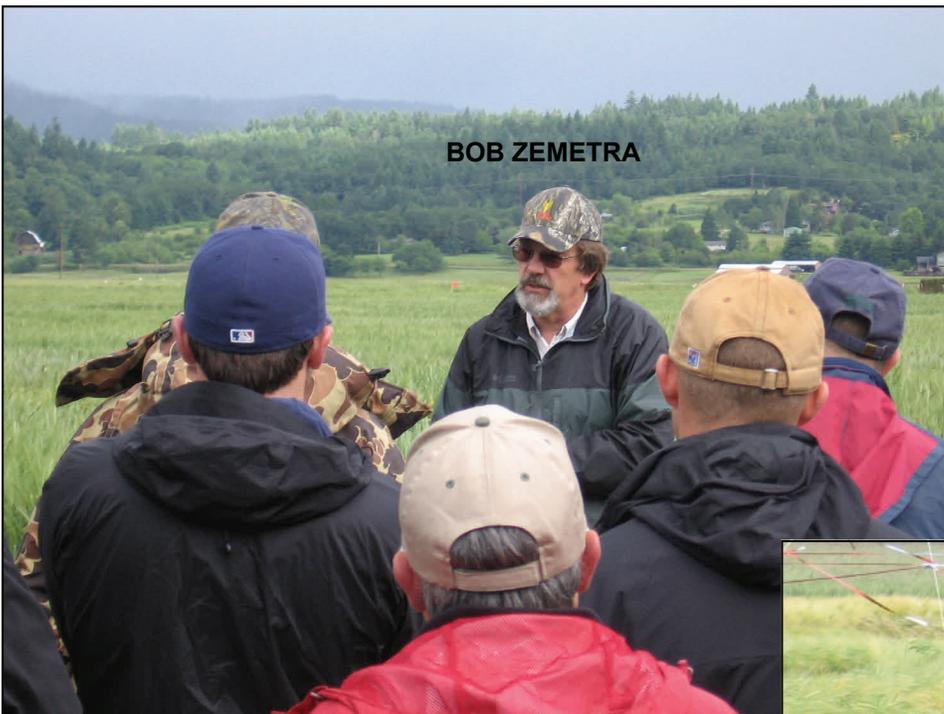


#### **A DIAMOND PIONEER IN ACTION!**

Here we have photos of Mat Kolding talking at the Western Wheat Workers meeting in Pendleton on June 18, 2013. Mat joined the Crop Science faculty in 1967 with the cereal breeding and development program. He was stationed at the Hermiston Experiment Station. Mat was nominated to the Diamond Pioneer Registry in 2005.

## HYSLOP FARM FIELD DAY—MAY 2013

The Hyslop Farm Field Day event was held on May 29, 2013 at Hyslop Farm off of Granger Road (between Corvallis and Albany, OR). Below are some pictures from the Field Day, where the agenda included: Meadowfoam Program Update (Russ Karow); Wheat and Grass Seed Testing Rules Updates (Adriel Garay and members of the OSU Seed Laboratory); Developing New Winter Wheat Cultivars for Western Oregon (Bob Zemetra); Stripe Rust, Septoria, and Fungicide Resistance (Chris Mundt); Update on Winter Barley Breeding Efforts (Pat Hayes); Alternatives to Diuron for Carbon-Seeding (Andy Hulting); Recent Findings on Barley Yellow Dwarf Virus and its Aphid Vectors in Perennial Ryegrass Seed Fields (Cindy Ocamb); *Sinapsis alba*: Potential Oilseed Rotation Crop for the Willamette Valley (Tom Chastain and Alyssa Duval).



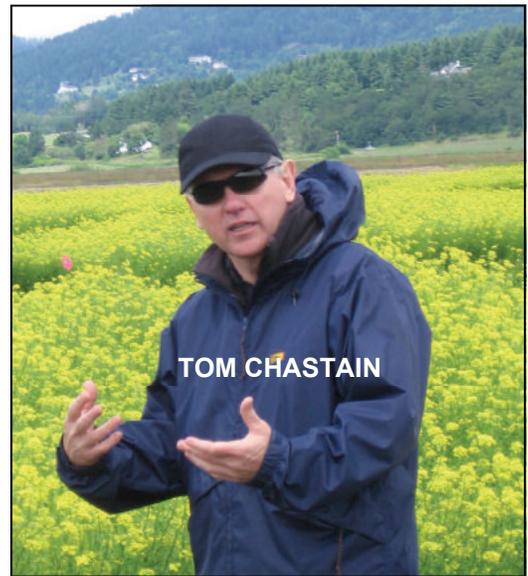
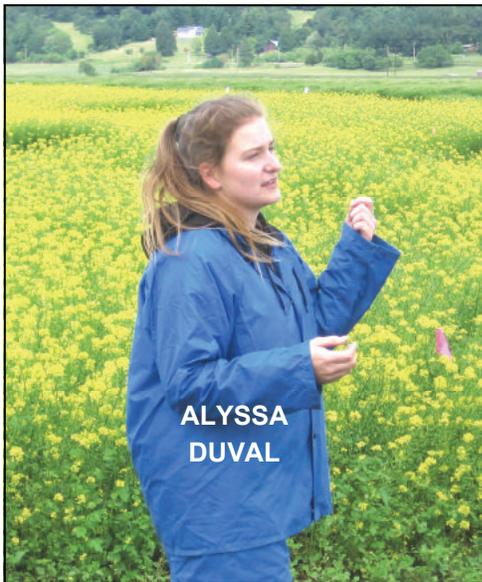
**BOB ZEMETRA**



**PAT HAYES**



**NICOLE ANDERSON**



## Interested in Contributing to the Success of CSS Students and Programs?

Please complete this form and send it with your check to The Oregon State University Foundation, 850 SW 35<sup>th</sup> Street, Corvallis, OR 97333. Make checks payable to the **OSU Foundation**.

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For more information on ways to support OSU and the Department of Crop and Soil Science through your estate planning, please contact:

Todd Bastian, CAS Director of Development  
Oregon State University Foundation  
850 SW 35<sup>th</sup> Street  
Corvallis, OR 97333-4015  
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(541) 737-8724 Office  
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Dept. of Crop and Soil Science  
Oregon State University  
107 Crop Science Building  
Corvallis, OR 97331-3002



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