

Plant Science Says



May, 2003

Giroux and Richman Promoted



Drs. Mike Giroux and Adam Richman have been promoted to Associate Professor with tenure effective July 1, 2003. Dr. Giroux teaches Plant Biotechnology PS426 every spring, oversees the Cereal Quality Lab with Luther Talbert and does research in the genetic basis of quality characters (such as hardness) in small grains.



Dr. Richman currently teaches Genetics (BIOL 301) and Evolutionary Genetics (BIOL 501) and his research involves the evolutionary genetics of self-recognition. Congratulations to both of you!

Johnston and Decker Nominated for Award

Bob and Irene were nominated for Employee Recognition Awards and received a Certificate of Recognition at the ceremony held on April 23 in Ballrooms A and B of the SUB. The five winners were: Beverly May, College of Nursing; Cathy Beyer, Student Affairs; Dave Kinsey, Museum of the Rockies; Jerry DiMarco, physics and Patricia Lane, General Studies. They each received \$500. Several very nice door prizes which were purchased by different offices such as the Presidents' and the Provosts' were also drawn for. Congratulations to Bob and Irene on

being nominated!

Farewell to Kirstin and René

Kirstin, our student affairs person, will be moving to Chicago the middle of May. She has been with our Department for the last 4 years. We appreciate her efforts to organize the materials having to do with undergraduate work and streamlining the application process for graduate students. Especially helpful regarding the latter has been the graduate student website. Also, René's last day will be May 23. She and her family are moving back to northern Nevada to be closer to family. We appreciate her efforts to keep all the bills paid. We wish them both the best!

Undergrads Receive Scholarships

Congratulations to the following PSPP students who received scholarships:

Amory Blake	Rebecca Kincaid
Gina Burleson	Jessica Knox
Sarita Cantu	Susan Knox
John Cox	George McQuillan
Cassie Dallas	Karin Neff
Clay DeMastus	Chance Nelson
Kristi DeVries	Michael Sill
Leslie Eddington	Kailey Smith
Paige Foran	Leya Wilhoit
Zachary Horst	Brandon Williams
Linda Johns	

Also congratulations to Kody Tacke, our workstudy in the ABS office, on receiving a College of Ag Scholarship.

New Employees

Dr. Joo Young Cha—109 ABS—Cathy Cripps

How are you? I would like to introduce for myself. I was born in Kangwon-do in Korea, and went to graduate school (MS) there. My undergraduate major was in forest science and my masters studies were in plant pathology. For the bachelor of agriculture, I studied the flora of higher fungi. That was my first experience with mushroom



research. Then I did research on the *Armillaria* species, which are root and butte rotting pathogens of trees, for the Master's and Doctoral programs. The title of my Doctoral dissertation was "Taxonomy and ecology of *Armillaria melleae* complex" completed at the silviculture lab of Hokkaido University in Japan. In particular, I have been interested in the relationship between *Armillaria* spp. and plants, fungi and animals in forest ecosystems. On the other hand, I have also been working on fungal succession in forests since I obtained a faculty position at Hokkaido University in Japan. I have been conducting and coordinating a reforestation program on the rehabilitation of peatlands disturbed by forest fire and establishment of a sustainable agro-system in Kalimantan, Indonesia, as well as completing a fungal inventory of Siberian taiga disturbed by cutting and forest fires.

My purpose in visiting MSU is to study advanced taxonomy and ecology of general fungi under Dr. Cathy Cripps who has an active program studying mycorrhizae associated with aspen and alpine agarics in western conifers. Of course, I would also like to study the artificial cultivation of edible mushroom such as Shiitake and morels with Dr. Don Mathre.

Finally, I would like to say thanks to Dr. Cathy Cripps, Dr. Orson K. Miller, Don Bachman, Dr. Don Mathre, Dr. Norman Weeden, Todd Osmundson, Chris Mahoney, Leslie Eddington and Irene Decker for their many kindnesses and efforts. I wish you all a good day in Bozeman. Thank you!

New Website for Plant Sciences

You may want to check out a new website for plant sciences. The opening paragraph of the website <http://www.bmn.com/ag-bio> claims to be: Your gateway to the Agricultural and Biological Sciences featuring carefully selected content from leading publications in plant science, agronomy, crop and soil science, forestry, and horticulture, and related areas such as aquatic science and food science.

Bob's Byte

By Bob Johnston

Downloading copyrighted software: This is a reminder that downloading copyrighted software from various file sharing web sites is illegal and not an appropriate use of University equipment. Many of these file sharing sites will place spyware on your computer and make it very easy to track your computer functions. We had a case a couple of weeks ago where several small film strips were downloaded off the web. The director of ITC received a notice from the "Internet Police" concerning the infraction. They were able to tell which files were downloaded, at what time this occurred, which computer was used, the owner of the computer and even which jack the computer was plugged into. Beware!!



Word Hint: If you would like to view two sections of a Word document at the same time, just open the document, click on window (at the top of the screen) and select split. A black line will appear on the screen. Just place it where you wish with the mouse and click the left button to lock it in place. The document will show up in both windows.

Outlook Hint: If you use your contacts folder to list address as well as email address, you can retrieve a map with the address pinpointed. To use this feature, open the contacts folder and double click on the person's name. After the window opens with name, address, etc, just click on Actions and select display map. You can get directions to that address at the same time.

Internet Explorer Hint #1: If the default font of a web page is too small or too large, you can easily change the font size by holding down the control key while you move the scroll wheel on the mouse. This trick also allows you to zoom in or out when viewing a Word document.

Internet Explorer 6.0 Hint #2: If you would like to change the default search engine from MSN to something different (perhaps Google) – Just click on search to open the search panel on the left side of your screen. Select change preferences, select change internet search behavior then select your favorite search site and click ok

The Best Way to Protect Plants from Frost damage by Bob Gough

It's that time of year again when early-bird gardeners are worried about that late frost that can spell disaster for their early tomatoes and strawberries. So, how does frost kill plant tissue, and what can you do about it?

Frost can cause shoots and flowers to wither, turn brown or black, and die. If the cold temperature is borderline, the plant may pull through but the flowers may be sufficiently damaged so as not to produce a fruit. In either case, frost

mechanical damage. Should you wait until after the full moon in May before setting out your tender plants? Maybe. If the full moon comes at the end of May, wait until it passes. If it comes at the beginning of May, wait until the end of the month anyway before you plant those tender crops.

Water your plants adequately. Once warmed by the sun, moist soil holds more heat than dry soil. Cover sensitive plants with a sheet or tarp to retain more ground heat in the plant's canopy and reduce its loss to the atmosphere. This will protect the plants from temperatures down to about 25 degrees if the soil is warm. Christmas lights in the plant canopy beneath the covers will help even more, but it may look a little out of place, or at least out of season. Instead of lights, turn on the sprinklers and keep them going until temperatures rise above freezing. Continuously freezing water liberates some heat to the surrounding plant tissues and can protect the plants, provided temperatures don't drop too low.

Osmundson, Cook and Walling Receive their Masters
 Congratulations to Todd Osmundson, Jason Cook and Jason Walling on receiving their master's degrees. Todd plans to pursue a doctorate at Columbia University in New York City where he has received a full fellowship with Dr. Roy Halling studying tropical boletes. Dr. Halling is the curator of New York Botanical Gardens. Jason Walling will continue his education with Dr. Scott Jackson at Purdue University studying molecular cytogenetics and genomics. Jason Cook will be pursuing a doctorate but has not chosen the university at this point. We wish you each the best!

Recipe of the Month

Chicken Enchilada Casserole (Weight Watcher's)



- 10 6 inch fat-free corn tortillas -- halved
- 3 cups skinless boneless chicken breast -- cooked and cubed
- 1 cup fresh or thawed frozen corn kernels
- 1 onion - chopped
- 1/2 green bell pepper - seeded and diced
- 1 14.5 oz can stewed tomatoes - no salt added

- 1 10 oz can diced tomatoes and green chilies
- 1 cup reduced fat cheddar cheese - shredded

1. Preheat the oven to 350. Spray a 13 X 9 inch baking pan with nonstick cooking spray.
 - Line the bottom of the pan with half of the tortillas; layer with the chicken, corn, onion, pepper and stewed tomatoes. Cover with the remaining tortillas. Pour the tomatoes and chilies over the top; cover with salt and bake until heated through, about 20 minutes.

Uncover and sprinkle with the cheese. Bake uncovered until the cheese is melted, about 10 minutes longer.

May Birthdays

Joice Franzen	6
Matthew Moffet	11
Robyn Klein	15
Mareike Johnston	22
Aravind Jukanti	23
Tom Blake	24
Gene Ford	29
Bob Johnston	29
Deanna Nash	31

