Five Global Perspectives and six AES Competitive Grants have been awarded by the Wyoming Agricultural Experiment Station.

**Global Perspectives**
(Recipients, project, and dollar amounts)

1. **Sadanand Dhekney**: United States-Egypt Collaborative Research for Improving Abiotic Stress Tolerance of Grapevines using Safe and Eco-friendly Technologies, $3,000
2. **Donald Jarvis**: A Short Course on Baculoviruses and Baculovirus Expression Vector Technology, $3,886
3. **Amy McLean**: Reference Values for Hematological and Biochemical Parameters in Indigenous Breeds of Mules, Hinnies, Donkeys, and Horses in Toro, Spain, $4,000
4. **Peter Stahl**: Nepal/USA Ecosystem Management Collaboration, $2,850
5. **Karen Williams**: Young Children, Culture, and Technology, $3,500

**AES Competitive Grants**
(Recipient, department, title, years, and amount)

1. **Brian Cherrington, Amy Navratil**, zoology and physiology; Understanding the Epigenetic Mechanisms of Lactation Failure, 3, $74,700
2. **Daniel Levy**, molecular biology; Regulation of Nuclear Size in Cancer Cells, 3, $74,244
3. **Brian Mealor, Cara Noseworthy**, plant sciences; **Rachel Mealor**, ecosystem science and management; Strategic Cheatgrass Management in Wyoming-Landscape-scale Prioritization and Evaluation of Targeted Grazing, 2, $34,600

(continued on page 4)
Natrona County educator receives UW extension’s most prestigious award

A Natrona County University of Wyoming Extension educator received extension’s most prestigious award.

Karla Case, a nutrition and food safety educator, was presented the Jim DeBree Excellence in Cooperative Extension Award in Laramie Wednesday, November 7, during the organization’s annual training conference. Case is based in Casper.

The award, honoring the retired extension administrator, is given to those who demonstrate a high level of professional performance and leadership within their program areas and communities.

Nominations noted Case’s ability to work well with others, collaboration in creative efforts, and providing innovative and inspiring contributions.

Case is also the CentSible Nutrition Program coordinator for the county. CNP provides educational opportunities for Wyoming families and individuals with limited resources to have access to an affordable, available, adequate, nutritious, and safe food supply.

“Karla demonstrates a natural way of reaching out to the public through education and awareness,” wrote one nominator. “Her classroom is fun and comfortable for everyone of all ages. She is always prepared and from start to finish, has a positive attitude, demonstrating true passion for her work.”

Case, a registered dietician, joined UW Extension in 2006.
Teton County extension educator recognized for nutrition efforts

Vision, finesse, and confidence helped a northwest area UW Extension educator receive the organization’s Newer Employee Recognition Award.

Jennifer Jacobsen, a nutrition and food safety educator, received the award in Laramie during UW Extension’s annual training conference this November. Jacobsen, based in Jackson, serves Lincoln, Sublette, Sweetwater, Teton, and Uinta counties.

“She is an example of an outstanding educator and exemplifies enthusiasm, professionalism, creativity, and a strong work ethic,” wrote one nominator.

Another noted Jacobsen’s vision, finesse, and confidence.

“She continuously looks for new ways to serve and educate in the west area, and provides successful programming in and outside of Teton County,” said another.

Jacobson began her position in 2009.

UW Extension’s webmaster receives creative excellence recognition honor

Creating and enhancing client websites and delivering creative and impressive projects earned a website designer and developer UW Extension’s Creative Excellence Recognition Award.

Ann Tanaka, in the Office of Communications and Technology, received the award Thursday, November 7, during extension’s professional development conference in Laramie.

Tanaka was recognized for her commitment to improving extension’s Web presence.

“In a very short time, Ann has transformed extension’s Web presence from static pages to an interactive experience,” wrote a nominator.

Wrote another: “Ann approaches each project with a curiosity to learn something new, persistence to make the current better, and determination to deliver a product that reflects the desires of her clientele. Her ideas and creativity in building and improving websites always exceed my expectations.”

Tanaka joined UW Extension in 2011.

Fall commencement December 7

Fall commencement for the College of Agriculture and Natural Resources and the College of Arts and Sciences is 4 p.m. Friday, December 7, at the Arts and Sciences Auditorium.

The College of Agriculture and Natural Resources has 30 graduates walking during commencement; they will be wearing either yellow or maize gowns.

The Wyoming Jazz Ensemble will lead the academic procession. Dean Oliver Walker, College of Arts and Sciences, will give welcome remarks.

The Happy Jacks will perform a rendition of “America, the Beautiful,” as well as “Alma Mater,” and finally, “Ragtime Cowboy Joe.” The featured performance will be “From the Ashes: A Cinderella Story.”

A reception in the Ross Hall Dining Room immediately follows the ceremony.
Top students select Top Profs

Several professors from the College of Agriculture and Natural Resources were among those chosen as Top Profs by their senior students for the academic year.

Members of the University of Wyoming (UW) Cap and Gown Chapter of Mortar Board – which include some of the most-outstanding senior students at UW – chose their Top Profs for the academic year at a dinner hosted by President and Mrs. Tom Buchanan in November.

All members of the senior honor society selected professors who have made a positive impact on their lives at UW. These professors go beyond normal classroom expectations to help their students succeed, both in college and later in their careers. Some faculty members were recognized by multiple students, according to Mortar Board.

Following are the Top Profs, their departments, and the UW Mortar Board students:

- **Michael Liebman**, family and consumer sciences – recognized by Lisa Baldock, Jackson, and Callie Neelands, Cheyenne
- **Dannele Peck**, agricultural and applied economics – recognized by Kailey Barlow, Big Piney
- **Daniel Wall**, molecular biology – recognized by Cameron Finley, Green River
- **Alan Schroeder**, agricultural and applied economics – recognized by Kaitlynn Glover, Casper
- **Pamela Langer**, molecular biology – recognized by Catherine Schmidt, Laramie

AES announces grant award recipients (continued from page 1)

4. **Allison Meyer, Scott Lake, Kristi Cammack, Steve Paisley, Kimberly Vonnahme** (North Dakota State University), animal science; **John Ritten**, agricultural and applied economics; **Impact of Maternal Feed Efficiency on Beef Cattle Production in Nutrient-limited Environments**, 3, $68,728


Changing Faces, Changing Places

(Effective date in parentheses)

**Welcome**

- **Koepke, Kalli**: Laramie Research and Extension Center, livestock manager (11/12)

**Farewell**

- **Ronda Whitman**: Communications and Technology, office Associate (11/2)
- **Janice Schmidt**: Fremont County/Wind River Reservation, CentSible Nutrition Program office assistant, senior (12/6)
State Master Gardener coordinator Chris Hilgert hands out material for a session at the greenhouse research complex led by extension horticulture specialist Karen Panter.

Donna Cuin, center, horticultural associate in Natrona County, received the Outstanding Educator Award from the Wyoming Association of County Agricultural Agents. With Cuin are members Hudson Hill and Kellie Chichester.

Cent$ible Nutrition Program assistant Kate Boss, associates Krista Brown and Michelle Hans, CNP coordinators Karla Case and Betty Greear.

Trish Pena, left, Cent$ible Nutrition Program associate in Crook and Weston counties, receives the Linda Melcher award from its namesake. Established in 2005, the award recognizes the overall outstanding educator who embodies the spirit and mission of the Cent$ible Nutrition Program.

Extension meats specialist Associate Professor Warrie Means describes meat cutting during a meat fabrication session in the UW Meat Lab for educators.

Indepth 2012

UW Extension educators, specialists, and program associates met in Laramie in early November for Indepth, which focused on issues important to clientele in Wyoming. Each extension initiative team and the Cent$ible Nutrition Program provided training and developed plans for the year. Awards were presented during the banquet Wednesday, November 7.
A research project by UW Extension’s equine specialist could determine if mules are associated with stubborn because of their nature – or human nature.

The study by Amy McLean, and another study looking at blood chemistry and hematocrit (volume percentage of red blood cells in blood) in donkeys, mule and jennies, came from her work in October with an outreach project through the American Association of Equine Practitioners.

McLean spent October 22-26 in Tlaxcala, Mexico, near Mexico City, in the AAEP Equitarian workshop, which was training for working equid care. She was invited to share equine behavior and training knowledge of mules and donkeys with veterinarians.

“One of the areas sometimes forgotten is proactive care,” says McLean. “A lot of reactive care is provided by veterinarians. They are not sometimes trying proactive methods (to prevent injuries or diseases). This is how an animal can be trained so they don’t get to a condition.”

She was invited as a trainer of the people helping inform veterinarians about what conditions to look for, how to change (treatment) schemes, and different methods of handling and training the animals.

The 40-plus veterinarians could fix the current conditions but could not then tell the owners to fix or adjust a harness a certain way or begin handling an animal a certain way, or feed more protein or energy.

“In vet school, you don’t learn how to prevent conditions and diseases – you learn how to diagnose, treat, and give a prognosis,” she notes. “You are not going to have a whole class on harnessing or driving an animal.”

The group treated many mules.

“I gave a talk one morning about methods of how to handle mules and go about treating them,” says McLean. “Mules are very reactive to people they don’t know. Papers have been done where they can distinguish the difference between a farrier, a vet, and owners and how they are more resistant or suspicious of a veterinarian.”

Veterinarians performed frequent dental and hoof-care procedures. Many mules were also dewormed using an oral medicine.

“One of the vets would approach the mules and their general reaction was to run backward or take off and leave,” she says. “I went over methods of how owners can help them approach differently and be patient.”

McLean’s invitation grew from similar work in Mali and other countries and her Ph.D. research focus.

“The (Equitarian) work helps continue what I started out doing, trying to improve the welfare and management of working equids because essentially that improves the lives of the people they serve,” she says.

The blood chemistry study will be conducted in Spain and Portugal to develop reference values for healthy parameters.

The mule behavior study will be in collaboration with the University of Mexico and involve work with embryos. One group of foals will be handled one way, another group another way, and another group not touched.

Novel tests will determine if handling affects later behavior.

Proposals Submitted

**Edwards, Jeffrey:** $50,000 to Wyoming Department of Agriculture for “Coordination of Private and Commercial Pesticide Applicator Training for the State of Wyoming.”

**Geiger, Milton,** and Sarah Hamlen: $42,277 to U.S. Department of Agriculture National Institute of Food and Agriculture for “Enhancing the Exploring Energy Efficiency and Alternatives (E3A) Curriculum.”

**Hufford, Kristina, Peter Stahl,** and Adrienne Pilmanis: $125,000 to Bureau of Land Management (BLM) for “Effect of Commercial Seed Introductions on the Genetic Composition of Native Plant Populations at Resource Extraction Sites on BLM Lands in Wyoming.”

**Hufford, Kristina, Peter Stahl,** Adrienne Pilmanis, and Lyle King: $253,000 to BLM for “Coordinating with Seeds of Success to Determine Forb Accessions for Reclamation of Sage-grouse Habitat on BLM Lands in Wyoming.”

**Levy, Daniel:** $1,500,000 to National Institutes of Health for “Regulation of Chromatin Organization by Nuclear Size in Embryos and Cancer Cells,” and $240,000 to the Pew Charitable Trusts and $200,000 to the Sidney Kimmel Foundation for Cancer Research for “Regulation of Nuclear Size in Xenopus Embryos and Cancer Cells.”
2012 Beef Convention

More than 80 attended the Southeast Wyoming Beef Production Convention Tuesday, November 20, in Torrington. There were 15 sessions during the day. Hosts were UW Extension, the Wyoming Stock Growers Association, and the James C. Hageman Sustainable Agriculture Research and Extension Center.

Assistant Professor John Ritten suggested post-drought considerations to producers.

Associate Professor Jeff Beck, left, discusses sage grouse habitat with Jim Freeburn, operations director at the James C. Hageman Sustainable Agriculture Research and Extension Center.

Milt Geiger, extension energy coordinator, prepares for his presentation "Integrating renewable energy and efficiency into the southeast Wyoming beef cattle operation."

Educator Kellie Chichester, right, introduces Jim Robb, senior agricultural economist at the Livestock Marketing Center. Robb discussed market trends and forecasts.

Extension range specialist Mike Smith, center, presented resilience in a dry, variable climate.

Livestock marketing specialist Bridger Feuz suggested pasture lease provisions and demonstrated an animal unit month cost calculator.
Monies Awarded

**Baumgartner, Robert**: $3,315 from various sponsors for “Crop Research.”

**Beck, Jeffrey**: $5,800 from Wyoming Wild Sheep Foundation for “Habitat Ecology and Effects of Habitat Alteration for Bighorn Sheep Translocated to the Seminoe Mountains, Wyoming.”

**Brown, Donna**: $500 from various sponsors for “Family and Consumer Sciences Support.”

**Ford, Stephen**: $6,104 from various sponsors for “Fetal Programming.”

**Liberles, David**: $25,000 from University of California, Santa Cruz, for “In Silico and in Vitro Investigation of Non-Conserved Interaction Characteristics in Homologous Proteins.”

**Stahl, Peter**: $22,000 from Bureau of Land Management (BLM) for “Surveying and Inventorying Biological Soil Crusts on BLM Lands in Wyoming.”

**Tanaka, John**: $60,000 from BLM for “Human Footprint of Wind Energy and Related Resources.”

**Williams, Stephen**: $2,000 from various sponsors for “Bighorn Sheep Survival.”

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Greg Haynes, assistant vice president of international marketing and programs with the U.S. Meat Export Federation, gave an overview of how U.S. beef is viewed and marketed abroad.

Beef cattle specialist Scott Lake, left, discussed keys to a successful artificial insemination program.

Wyoming Stock Growers Association executive vice president Jim Magagna talks to the crowd during lunch. Stockgrowers was one of the convention’s sponsors.

Office associate Sue Golding of the Albany County extension office greeted those attending.

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**2012 Beef Convention** (continued from page 7)

Educator Kellie Chichester coordinated the beef convention with Jim Freeburn, operations director at the James C. Hageman Sustainable Agriculture Research and Extension Center, and Steve Paisley, extension beef cattle specialist.
**Competition honors**

UW Horse Judging Team member Katelynn Ewing earned honors during competition at the All American Quarter Horse Congress in Columbus, Ohio, and the American Quarter Horse Association World Congress in Oklahoma City, Oklahoma. Ewing, of Sidney, Nebraska, was fourth in Performance and sixth High Individual Overall in the Limited Competition at the congress and was fourth in Halter at the world contest. Team members are, from left, coach and equine specialist Assistant Professor Amy McLean, teaching assistant Lacey Teigen, Laramie, Ewing, Katie Richardson, Erie, Colorado, and Mercedes Powers, Colorado Springs, Colorado.

**Calendar**

**December 3:** Pasture Geeks Sessions: Ecological Site Descriptions and State Transition Models, 9 a.m., Douglas at the Eastern Wyoming College, room 2

**December 3:** UW Extension AI School, 10 a.m., Riverton

**December 4:** Country Living Sessions: Energy: Top 10 Tips for Saving $$, 6 p.m., Douglas, at the Converse County Extension Office

**December 6:** Financial Literacy Webinar Series: Money Smart Holidays, 12:10 p.m., online webinar

**December 7:** UW Extension AI School, 10 a.m., Riverton

**December 7:** College of Agriculture and Natural Resources Fall Commencement, 4 p.m., at the Arts and Sciences Auditorium

**December 7:** Reflections 2013 article submissions due to Steve Miller, slmiller@uwyo.edu, by 5 p.m.

**December 18-21:** Pesticide Applicator Training – Commercial, Laramie, Ag C room 1030

**December 24-January 1:** Christmas holiday, winter closure, New Year’s holiday, UW offices closed

**January 3:** Financial Literacy Webinar Series: So Now You’re An Executor, 12:10 p.m., online webinar

**January 3:** Financial Literacy Webinar Series: Selection of Your Estate Executor, 7 p.m., online webinar

For a statewide calendar, please access the ag college website at www.uwyo.edu/UWAG/

**Ceremony recognizes faculty, staff**

The College of Agriculture and Natural Resources 13th annual Faculty and Staff Recognition ceremony is 4-5:30 p.m. Wednesday, December 19, in the Wyoming Union Family Room. Refreshments will be provided.

Among honors presented are the Lawrence Meeboer Outstanding Teacher Award and the Outstanding Adviser Award. Also presented will be the Dean’s Outstanding Staff Professional Award and the Dean’s Outstanding General Staff Award.