Special Seminar – Carl Dahlen
Speaker: Dr. Robert Cushman, Research Physiologist
U.S. Meat Animal Research Center

Topic: Post-Weaning Nutritional Programming of
Ovarian Development in Beef Heifers

Date/Time: Thursday May 14, 2015; 11:00 a.m.

Location: Hultz Hall 104

Robert Cushman obtained a B.S. in animal science from the University of Maine at Orono in 1988. He obtained an M.S. in animal science from the University of Connecticut with a focus on reproductive physiology. He received a Ph.D. in physiology with a minor in biotechnology in 1998. That same year, Dr. Cushman began a post-doctoral fellowship at Cornell University, obtaining an award from NIH to investigate the mechanisms controlling primordial follicle activation and preantral follicle growth. In 2003, Dr. Cushman accepted a position as a research physiologist at the U.S. Meat Animal Research Center where in 2012 he became the project leader of the project entitled “Strategies to improve heifer selection and heifer development.”

Maddock Elected to AMSA Board of Directors
Rob Maddock has been elected to a three-year term on the Board of Directors of the American Meat Science Association. The AMSA fosters community and professional development among individuals who create and apply science to efficiently provide safe and high quality meat (defined as red meat (beef, port, and lamb), poultry, fish/seafood and meat from other managed species).

As a board member, Rob will work to achieve the goals of the organization by providing leadership to the association by working with stakeholders and continuing to update our strategic plan to meet the needs of modern meat and livestock production.
Eck is Coach of the Year
Tate Eck, NDSU Rodeo Team coach, is the recipient of the Coach of the Year award for this region. The award is voted on by all of the event directors, each individual member school’s men’s and women’s captains, and all of the coaches. There are 11 regions nationwide. When all of the regional winners attend the College National Finals Rodeo, the student and faculty directors will vote on an overall Coach of the Year.

Recent Publications
V839, Nitrate Poisoning of Livestock (Revised) (WEB ONLY)
Charlie Stoltenow and Greg Lardy
This publication describes nitrate poisoning, plant factors favoring nitrate poisoning, other means of ingesting nitrate, clinical signs, diagnosis, treatment, prevention and management guidelines.

AS1745, Understanding Equine-assisted Activities and Therapies (WEB ONLY)
Carrie Hammer and Erika Berg
Equine-assisted activities and therapies (EAAT) is a broad term used to describe various activities and therapies that incorporate a horse and human in partnership. This publication introduces the concepts and helps define common terminology associated with the EAAT industry.

AS1758 Managing Common Bird Challenges on Dairy and Livestock Operations
J. W. Schroeder and C.D. Lee
This publication summarizes the most common methods producers can use but is not intended to be a single source of reference.

AS1755, Bull Breeding Soundness Examinations
Carl Dahlen and Gerald Stokka
Breeding soundness exams can reveal many potential problems with young bulls, as well as with older bulls that already have sired calf crops. These exams are a sound investment for a cow-calf producer, yet fewer than 20 percent of U.S. producers perform breeding soundness exams on their bulls prior to spring turnout.

AS1749, Maximizing Pregnancy Rates When Using Artificial Insemination
Carl Dahlen, Dani Black and Melissa Crosswhite
Understanding and managing the factors that contribute to maximizing AI pregnancy rates can improve profitability in beef herds implementing AI. This publication will review how factors related to cows, bulls and those controlled by humans all contribute to the success of your AI breeding program.
Koch on Food and Drug Administration Committee

Kim Koch, feed production center manager at the Northern Crops Institute and adjunct faculty member in Animal Sciences, is currently serving on the FDA Animal Food Safety Preventative Controls Alliance (AFSPCA) which is charged with developing training materials for the animal feed industries.

The goal is to have the training and guidance materials completed and ready for use shortly after the Food Safety Modernization Act (FSMA) is fully implemented in August 2015.

Nicolás Negrin Pereira is New Ph.D. Student

“I graduated in 1992 from the Veterinary Faculty (Universidad de la República Oriental del Uruguay – UDELAR) and won the INTERIFA scholarship. After a few years of work as a private country vet specialized in cattle reproduction, thanks to a Foreign and Commonwealth Office (UK) scholarship, I traveled to Aberdeen (Scotland) for an internship working with the MOET group at the Scottish Agricultural College and the University of Aberdeen. I was then invited to compete for the Chevening Scholarship in Uruguay which allowed me to return to Scotland and make my Master of Science in Animal Production at the University of Aberdeen between 1995 and 1996. My thesis was focused in embryo metabolism and development.

After working for nearly 20 years as a cattle reproduction specialist consultant and ET professional in Uruguay and Argentina, I got this fantastic opportunity to make my Ph.D. here at the Department of Animal Sciences at NDSU under the guidance of a great multidisciplinary team – Drs. Carl Dahlen, Pawel Borowicz and Bryan Neville. In the case of Dr. Dahlen, we are already running a project in Uruguay trying different estrus synchronization protocols and the use of natural mating. NDSU and the Animal Sciences Department offered me the perfect and unique combination of upfront leading investigation and applied research I have been looking for many years. Apart from cattle reproduction and animal production in general, I also enjoy very much reading, running, and dogs. You can find me at Hultz Hall 113 or at 701-231-7642.”

ASGSO Elects Officers

At the meeting on Friday, May 8, the Animal Sciences Graduate Student Organization elected the follows officers for the coming year:

President – Laura Bachmeier
Vice President – Mary Rodenhuis
Treasurer – Briana Ferguson

Advertising – Kyle McLean
Apparel – Jordan Hieber
Secretary – Kayla Chilcoat
**Scholarship Reception Held** – Greg Lardy
The Animal Sciences Scholarship Reception was held Tuesday, May 12. Many students, parents, family, and friends were in attendance. In 2012, 34 departmental scholarships totaling $18,255 were awarded. This year, we awarded 65 departmental scholarships totaling $40,450! Next year’s event will be May 4, 2016, from 4:00-6:00 p.m. – so save the date and plan to attend!

For photos of the scholarship recipients, visit the Animal Sciences Facebook page at [https://www.facebook.com/NdsuAnimalSciencesDepartment](https://www.facebook.com/NdsuAnimalSciencesDepartment).

**Miranda Meehan** and **Brandon Ostby** were individually featured in stories by the Fargo Forum. Links to both stories are on the Animal Sciences Facebook page or click on the links below.

‘Like Coming Home Again’: NDSU Grad Fills Newly Formed Livestock Environmental Stewardship Position

Fargo Man Running for His Life