

**A MONTHLY REPORT FROM**  
**NJAES AND THE Equine Science Center**  
May 2010

## Highlights:

### **Young Horse Auction Results:**

Despite the cold drizzle on Sunday the Young Horse Auction had 21 bidders for the 12 horses. There were bidding wars on all but one (RU Casanova) of the Mustangs and two of the draft crosses (Firedance and Honky Tonk, both of which went for the highest amounts, \$2000). All of the others sold for their minimum bid or slightly less in the case of RU Brisa and RU Shivna, who were initially not bid on but did sell when they were brought back in after all of the others had sold (and after Rick Wills of Ricks Saddle Shop offered to give their buyers 10 bags of feed!). They both went to owners of previous RU graduates. The horses have now all left and are settling in nicely in their new homes. I am proud to say not one of the 12 offered significant resistance to loading onto trailers that ranged from wide open stock trailers that smelled like cows to tiny two horse front loads. The interest in the mustangs was so high I will be doing it again next year with 6 to 8 mustangs selected at the BLM adoption to be held the 2nd week in September at the Sussex Fair grounds. We already have pledges of full or at least partial sponsorship from 10 people!

### **Ag Field Day Review, as told by Lord Nelson**

My friends at the Rutgers Equine Science Center told me that they had over 5,000 visitors at the treadmill laboratory last weekend during Ag Field Day. They also told me the Equine Science 4 Kids bright red recycled tote bags was very popular, and that they handed out almost 1,000 bags in less than two hours! I think having my adorable face on the bag probably had something to do with the bags disappearing so quickly...

I heard the line to watch Snowdrift and Maggie run on the high-speed horse treadmill was practically wrapped around the building! People were lining-up 30 minutes before the demonstrations in order to watch Snowdrift and Maggie run. Don't worry if you missed the equine treadmill demonstrations at Ag Field Day. I am helping my friends at the Equine Science Center put the finishing touches on a video of Frankie running on the treadmill. Stay tuned - we'll have that video up on Equine Science 4 Kids soon!

### **Susan Richards Book Signing**

Mark your calendars for an exciting Equine Science Center event! On Monday, May 24, Susan Richards, the author of the NY Times Best Selling Book "Chosen by a Horse," will join the Center for a book signing event at the New Jersey Museum of Agriculture from 5:00-8:00 PM. Tickets are \$50, which includes dinner and a copy of Susan's new book, "Saddled;" sponsorships are also available for \$1,000 per table. Sponsors get to invite 10 attendees and will be given special recognition in the event program and mention at the event. Registration information is available on the Equine Science Center's website.

### **Multi-Media Page**

In an effort to continually implement new ways to experience the Equine Science Center's website, the Center is pleased to present the addition of a Multi-Media webpage. The Multi-Media page features archives of the popular bi-annual webinar series, the virtual tour of the Ryders Lane Best Management Practices Horse Farm, a link to the Friends of the Equine Science Center Facebook page, as well as several video clips.

## Publications:

Arent, S.M., M. Senso, D.L. Golem, **K.H. McKeever**. The effects of theaflavin-enriched black tea extract on muscle soreness, oxidative stress, inflammation, and endocrine responses to acute anaerobic interval training: a randomized, double-blind, crossover study. *Journal of the International Society of Sports Nutrition*, (doi:10.1186/1550-2783-7-11), 2010.

Caltibilota, T.J., J.G. Milizio, S.R. Malone, J. Kenney, and **K.H. McKeever**. Effect of Sucralfate® on plasma total carbon dioxide concentration in horses subjected to a simulated race test. *The Veterinary Journal*, 183: 191-195, 2010.

**N.R. Liburt, K.H. McKeever, J.L. Zambito, E.K. Wunderlich, D.N. Smarsh, R. Avenatti, J. Powell, K. Malinowski**. Glucose Homeostasis and the Pituitary-Adrenal Response to Cortisol Stimulation Tests Before and After Exercise Training in Old vs. Young Standardbred Mares. *Proceedings of the 8<sup>th</sup> Annual Mid-Atlantic Nutrition Conference*, Timonium, MD, 2010.

Arent, S.M., A. Walker, **K.H. McKeever**. Maximal aerobic capacity in horses: a retrospective study to identify the age-related breakpoint *Medicine Science Sport and Exercise*, 42:S, 2010.

## Past Lectures and Presentations:

March - **Dr. Kenneth McKeever** presented Invited Seminar Series "Comparative aspects of cardiovascular physiology" at Merck in Rahway, NJ.

April 9 – Discovery Initiative Horse Farm Tour and Equine Science Center Open House, 10:00 to 11:00, Red Barn, Cook Campus, New Brunswick, NJ. For more information call the ESC at 732-932-9419.

April 10 – Young Horse Auction Preview, 5:00 PM, Red Barn, Cook Campus, New Brunswick, NJ. For more information see <http://younghorse.rutgers.edu>.

April 13 – **Dr. Sarah Ralston** presented "Metabolically Challenged Horses" in Bethlehem, PA for the PA Experiment Station Short Course.

April 16 – Somerset Pony Club, "Equine Conformation and Anatomy" was presented by **Dr. Carey Williams**, Clover Valley Farm, Whitehouse Station, NJ.

## Upcoming Events for Faculty and Staff:

May 25 – **Dr. Karyn Malinowski** will be presenting the "Value of the Equine Science Center to New Jersey and Beyond to the New Jersey Farm Bureau in Trenton.

May 26 – **Dr. Karyn Malinowski** is the keynote speaker at the Women's League of Rutgers University Annual Luncheon. She will present, "The Rutgers Equine Science Center: Perfect for New Jersey and Beyond", and "Equine Science 4 Kids".

June 1 to 3 – **Dr. Sarah Ralston** will be giving an invited lecture on "Metabonomics: Search for metabolic Markers Osteochondrosis Dessicans in Young Horses" at the Australian Equine Science Society meeting in Brisbane, Australia.

July 27 to 30 – **Dr. Carey Williams** was invited to speak at the Brazilian Animal Science Society Symposia in Salvador, Brazil. This year's meeting is hosted by Bahia University and will be held at the Bahia Othon Palace Hotel in Salvador, BA, Brazil, 2010. The Symposia meetings are divided in many sections, and Dr. Williams was invited to lecture on "Antioxidant Supplementation to the Exercising Horse" during the Equine Symposium. They are expecting attendance of 2,000 researchers and are inviting about 50 speakers from around the globe.