



American
Registry of
Professional
Animal
Scientists

December Newsletter

DECEMBER 15, 2006

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2006-2007 ARPAS Governing Council

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News & Updates

2007 ARPAS Governing Council Conference Call:

The Governing Council has set their 2007 Mid-Year conference call for Thursday, January 18, 2006 at 2 PM EST.

2007 ARPAS Governing Council Meeting:

The Governing Council has decided to meet again in conjunction with the ADSA/ASAS Joint Meeting. The 2007 Joint Meeting will be held July 8-12 in San Antonio, TX. The Governing Council meeting is set for Sunday, July 8, 2006 from 8-5. The date and time for the Business Meeting will be announced later.

CEUs and Dues Reminders:

Reminder – your 2007 ARPAS dues and 2006 CEU reports are due into the business office by December 31, 2006. If you have questions, or need assistance, please contact Lisa Hamilton at the (217) 356-5390 or lisah@assoqhq.org.

Invitation for Applications:

FASS Congressional Science Fellowship 2007-2008

Please help identify qualified candidates for this position. Application deadline is **1/15/07**. Visit <http://www.fass.org/positions.asp> for more details.

New Publications Committee Members:

Lisa Holden, Ph.D., PAS

Lisa Holden earned her Ph.D. from Penn State University in 1993. She is currently an Associate Professor of Dairy and Animal Science with 60% Extension, 20% Research and 20% Teaching responsibilities at Penn State. In addition, she also serves as the coach of the Penn State Dairy Challenge students. In addition to her ARPAS membership, Lisa is a member of the American Dairy Science Association and Alpha Zeta. She received the ADSA Foundation Scholar award in 2001.

Luis Carlos Solorzano, Ph. D., PAS

Luis currently provides technical services for Milk Specialties Co., based in Madison, WI. In the past, he provided services as a Dairy Nutritional and Management Consultant throughout the western US, Latin America and SE Asia. Dr. Solórzano received his Ph. D. degree from Michigan State University, M.Sc. and B. Sc. from the University of Wisconsin-Madison, and the degree of Agronomist from Escuela Agrícola Panamericana, El Zamorano, Honduras. He was born and raised in Guatemala where his family continues to be involved in the production of coffee and dual-purpose cattle. He is a member of ADSA, ASAS and ARPAS and serves in the Ad-Hoc Environmental Stewardship Committee for ARPAS. Dr.

Solórzano served as co-chair of the Environmental Stewardship Committee for the CA chapter of ARPAS and is past-Chairman of the California Animal Nutrition Conference.

Betsy Wagner, Ph.D. PAS

Betsy Wagner is an Assistant Professor in the Department of Animal Sciences at Auburn University. Her responsibilities include teaching courses as part of the new Equine Option within the Animal Science undergraduate degree program. Her research interests include feeding management strategies for horses consuming high-soluble carbohydrate diets and nutritional aspects of equine gastric ulcer syndrome. A member of ARPAS since 2001, Betsy earned her B.S. in Animal Science from the University of Wisconsin –River Falls and her M.S. and Ph.D. in Animal Science from Texas A&M University.

Message from the ARPAS President:
Wayne Greene, PAS

I want to express my sincere appreciation to our ARPAS Publication Committee for their continued hard work to provide timely communication to the Registry through this newsletter. Communication is the key to our success. This committee consisting of Bill Price, chairperson (MD), Karin Bump (NY), Betsy Wagner (AL), Barbara Burton (CA), Lawson Spicer (CA), Lisa Holden (PA) and Luis Solarazano (WI) along with the other contributors to the newsletter are to be commended as this newsletter brings timely information about the activities of ARPAS to your doorstep.

Your Executive Committee and Governing Council have made several important decisions on behalf of ARPAS since the last newsletter. First, it is with great enthusiasm that we announced Dr. Wayne Kellogg as the Editor in Chief of The Professional Animal Scientist. Dr. Wilson took great pride in his work as the Editor in Chief of The Professional Animal Scientist for many years and Dr. Kellogg will continue this service to the Registry. During the transition, the ARPAS Office personnel worked closely with Dr. Wilson's office to receive manuscripts in various stages of review and editing as they were transitioned to Dr. Kellogg without missing a single issue of the journal. Thanks go to the ARPAS and FASS personnel for making this transition as smooth as possible.

During the annual Governing Council meeting in July 2006, we discussed a plan to move our examination procedure to the next level. We discussed the development of an Examination Board to replace the long-standing examination committee. As plans begin to develop, we foresee the Examination Board to be headed by an Examination Board Chairperson receiving a small stipend for his/her work. He/she will be responsible for recruiting positions (Registry members) onto the examination board to cover all aspects of the certifications we provide. The Examination Board will be responsible for ensuring that exams are updated on a regular basis with new questions pertinent to the field of certification. They will be responsible for the continued development and maintaining of study materials for preparation of individuals to take the examinations. Many individuals that should/could be ARPAS members simply hesitate to take the examination because of the unknown. Preparation and delivery of adequate study/preparation materials will be a tremendous asset as new members prepare to join the ranks of the Registry. The position of Examination Board Chairman will be presented to the Governing Council at our January Conference for approval. I encourage any of you that are potentially interested in the position of Examination Board Chairman to let one of the members of the Executive Committee know of your interest.

Another significant accomplishment that occurred this Fall was the approval of the Feed Management Certification. This program came from a committee working since the July Governing Council meeting on the program. The Governing Council believes this will be a significant opportunity for a number of Registry members that are working in the area of Nutrient/Feed Management. You can read more about the program in this newsletter.

As President of ARPAS I had the opportunity to travel to the California ARPAS Chapter conference this past October in Coalinga, CA. The conference had excellent speakers and was very well attended. I was very impressed with the organization and conduct of the conference. I believe the California Chapter is a model to be emulated by others. They have led the way on a number of fronts in past years. I am pleased to announce that in 2007 the Governing Council will be presented with By-Laws for approval from other chapters across the country. Local chapters are very important avenues to provide continuing education units at the local level. Consequently, we approved a plan to provide national funds to local chapters to assist in their program speakers. These will become available to local chapters in 2007 by application to the national office

One of the things that should not be overlooked by our organization is the solid foundation we stand with respect to our finances. Several years ago, ARPAS was entering into some financial difficulties. We have overcome those difficulties and as you review the financial report, you will see that we are in very good shape. We have over one year operating dollars in hand and your Treasurer, in communication with the Executive Committee, has developed an investment plan to ensure the continued financial stability of ARPAS. Our industry sponsors can be credited for helping to put us back into a positive financial balance. As you visit with our sponsor representatives, tell them how much their support is appreciated. When we work together as a team, much can be accomplished. I appreciate each members continued support of ARPAS and if I can be of service, do not hesitate to call on me.

From the Executive Vice President:
Richard R. Frahm, PhD, PAS, Dipl Animal Genetics

It is very satisfying to be involved with a dynamic and purposeful organization. Due to the excellent leadership of the officers and the dedicated efforts of the many members serving in various areas of responsibility there is much activity within ARPAS. As a result ARPAS is thriving and membership continues to grow.

Professional certification programs have two major objectives. One is to provide professional recognition to the members for their professional expertise and achievements. The other is to provide assurance to the public being served that they can have confidence that the certified professionals providing professional services for them have a high level of professional expertise, are professionally current, and practice a high level of professional ethics. These two objectives collectively fulfill the goal of enhancing the status of the profession

Public confidence doesn't automatically occur. It must be earned. It is my belief that the collective dedicated efforts and high level of professional achievements of the ARPAS membership have resulted in an increased level of recognition and respect for the ARPAS Certification Program.

There are several indicators of the growing stature of ARPAS. One strong indicator is the large number of corporations and organizations that are sponsors of ARPAS. An exciting development is a commitment of a major agribusiness cooperative to promote ARPAS membership among their technical support staff. To facilitate this, they developed a 2.5-day training program in a species for their professionals working with that species. Following the training, I administered 33 exams. This will be followed early next year at two locations for another species and one location for a third species. This may be a useful model for other companies or organizations to emulate.

Likewise, there seems to be growing interest in the Cooperative Extension Service to encourage ARPAS certification among their professionals working in Animal Science. We've had great success the last two years administering ARPAS exams to county educators attending the National Association of County Agricultural Agents Conference. Recently there have been indications of the Extension Service in several states becoming interested in encouraging ARPAS certification among their professional staff working in the area of Animal Science.

These are exciting times for ARPAS. Thanks to the ARPAS membership for making it so.

Meeting Review: Fifteenth Annual KER Conference **Betsy Wagner, PAS**

Foal to Finish – Factors Affecting the Production of the Equine Athlete was the title of the fifteenth annual nutrition conference sponsored by Kentucky Equine Research, Inc (KER). Held October 16-17 in Lexington, KY, the conference focused on factors related to nutrition, growth and exercise physiology. Joe Pagan, Clarissa Brown-Douglas and Larry Lawrence of KER led discussions on Thoroughbred growth data and future performance, nutrition of the young equine athlete and broodmare nutrition for optimal foal growth.

Laurie Lawrence of the University of Kentucky presented updated requirements for pregnancy and growth as included in the sixth revision of the NRC, including new formulas used to calculate nutrient requirements for the young growing horse. William Bernard from Equine Internal Medicine reported on strategies to provide nutritional support to sick foals as well as other veterinary care practices in the neonate and young horse. Stephanie Valberg from the University of Minnesota summarized changes in contractile and metabolic muscle fiber types from birth through training. Chris Kawcak and Wayne McIlwraith from Colorado State University presented a series of talks on developmental orthopedic disease, including new tools for diagnosis and the impact on future performance.

The 15th Annual KER Conference was approved for 9 CEUs for ARPAS members. Additional conference proceedings can be ordered through KER at <http://www.ker.com/products/publications/index.html> after December 1. The next nutrition conference will be held in fall of 2008.

ARPAS - California Chapter Continuing Education **Conference 2006 – Day 1** **Barbara Barton, Dipl. ACAN**

The Conference was held October 26 and 27, 2006 in Coalinga, CA. There were approximately 127 registered attendees. The conference was opened with a welcome by Kent Sellars, CA ARPAS president. The main topic of the first three speakers was an examination of various aspects of immunity. Dr Jeanne Burton, Michigan State University, talked about stress and immunity in animals. Her presentation provided an excellent overview of dairy cattle immuno-physiology with a focus on the impact of stress on the cow's immune system. This first paper set the stage for the second presentation by Dr. Lorraine M. Sordillo, Michigan State University, on bovine mammary immunity and mastitis susceptibility with a focus on the oxidant stress in transition cows. Each of the presenters provided a glimpse of the on-going research focus in their laboratories as well. Next, Dr Lee R. Mc Dowell, University of Florida, provided an overview of how vitamins and minerals function as antioxidants and their supplementation considerations for various livestock. As expected, Dr Mc Dowell provided a unique insight into this area based on his years of research experience in this area in both the United States and internationally.

Copies of the proceedings of the conference can be ordered by going to the California ARPAS website (www.arpasca.org). Conference attendance was worth 10 hours of CEU credits for ARPAS. Next year's meeting is scheduled for October 25 – 26, 2007 in Coalinga, CA.

Second day of CA ARPAS Meeting, 2006 **Lawson Spicer, Dipl. ACAN**

The second day of the California ARPAS Continuing Education Conference started with Dr. Kyle Newman speaking on Nutraceuticals in Animal Production. He focused on three areas: herbs with immunomodulation activity, antioxidant

properties and antimicrobial activity. The second presentation was a university update on the College of Agriculture by the Dean, Dr. Wayne Bidlack from the California State Polytechnic University, Pomona. The purpose of the university updates is to inform industry members of research and activities going on at the universities.

A very informative talk on Concerns about molds and mycotoxins in dairy cattle, prevention and treatment was given by Dr. Lon Whitlow of North Carolina State University. Mycotoxins are toxic secondary metabolites produced by fungi (molds) that cause an undesirable effect (mycotoxicosis) when animals are exposed.

Several scholarships are given annually by the California ARPAS chapter to graduate students attending universities in the Pacific region of the U.S. Jason Weinstein of the University of California, Davis gave a presentation on feeding a whey protein gel.

The last item was a business meeting of the California APRPAS Chapter. Reports of the following standing committees were given: membership, newsletter, By-Product Feedstuffs, Licensing, Environmental Stewardship, and Scholarships. The current President of the National ARPAS, Dr. Wayne Green updated the chapter on a number of items. One was the existence of a number of ARPAS chapters in the U.S. Dr. Green suggested that ARPAS members recruit new members to join National ARPAS via the chapters.

American Horse Slaughter Prevention Act S. 1915 - The potential draws near.

Congressional Research Service Summary:

S. 1915: A bill to amend the Horse Protection Act to prohibit the shipping, transporting, moving, delivering, receiving, possessing, purchasing, selling, or donation of horses and other equines to be slaughtered for human consumption, and for other purposes.

Sponsor: Sen Ensign, John [NV] (introduced 10/25/2005) Cosponsors (33)

Related Bills: H.R. 503

Committee on Commerce, Science, and Transportation.

Virgie S. Arden American Horse Slaughter Prevention Act - Amends the Horse Protection Act to prohibit the shipping, transporting, moving, delivering, receiving, possessing, purchasing, selling, or donation of horses and other equines to be slaughtered for human consumption.

Authorizes the Secretary of Agriculture to detain for examination, testing, or the taking of evidence: (1) any horse at any horse show, horse exhibition, or horse sale or auction which is sore or which the Secretary has probable cause to believe is sore; and (2) any horse or other equine which the Secretary has probable cause to believe is being shipped, transported, moved, delivered, received, possessed, purchased, sold, or donated in violation of such prohibition.

We are approaching a critical point in our history of animal husbandry as the U.S. Senate draws closer to potential approval of the American Horse Slaughter Prevention Act. The slaughter of horses in the United States is an emotional topic that has caused deep divides amongst the public and the agriculture industry; and has also divided those in the horse industry. It is critical that any action taken on this topic has a balance of perspectives to address both intended and unintended consequences of the potential passage of this act.

There are significant reasons to believe that the US Senate may vote on S. 1915 at the start of the year. The House of Representatives passed a bill banning horse slaughter for human consumption earlier this year, and the pressure on the Senate to do the same is considerable. Contact your U.S. Senator and add your voice to this debate. If you aren't sure how to contact your Senator, the following link can be of assistance:

http://www.senate.gov/general/contact_information/senators_cfm.cfm

Development and Integration of a National Feed Management Education Program and Assessment Tools into a Comprehensive Nutrient Management Plan (CNMP)

The project started a year ago led by Dr. Joe Harrison at Washington State University with the collaboration of personnel from the following institutions: Purdue University, University of Nebraska, Iowa State University, Oregon State University, University of Idaho, UC Davis, Texas A&M, Cornell University, Virginia Tech, The University of Georgia, the Natural Resources Conservation Service (NRCS) and the American Association of Professional Animal Scientists (ARPAS). The primary objectives for the project are:

1. Develop and implement a feed management education program targeting integration of feed management decisions into a CNMP.
2. Develop a two-tier tool for assessing the impacts of feed management practices on whole farm nutrient balance for 1) animal nutritionists and 2) NRCS staff and TSP advisors.
3. Develop the content of a feed management chapter for the NRCS Agricultural Waste Management Field Handbook (AWMFH)

American Association of Professional Animal Scientists will Provide Certification Exam

ARPAS is collaborating with the Feed Management Project Team to provide a certification exam in Feed Management for ARPAS members. It is expected that there will be an opportunity to certify in each of the species of: beef, swine, poultry, and dairy. ARPAS has collaborated with the project since it was launched in Denver, CO on October 2005. Representing ARPAS are Dr. Ken Cunningham (who is now retired), Dr. Luis Solórzano and Dr. Randy Shaver.

The Publications Committee continues to be active, with the help of Lisa Hamilton and Dick Frahm in putting the Newsletters together. We hope the Newsletter provides important and interesting information on ARPAS activities and short interest stories. We are continually looking for news and short interest stories about our members and encourage members to come forward either with articles or with ideas for the Committee to write articles. If you would like to contribute, please contact Bill Price at bill.price@fda.hhs.gov, any of the committee members or Lisa Hamilton at lisah@assoqh.org.

Committee Members: Barbara Barton, Karin Bump, Lisa Holden, Luis Solórzano, Lawson Spicer, Betsy Wagner and Bill Price, Chair.

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