ARPAS Governing Council
Minutes – January 24, 2014

1. Welcome and approval of Agenda  Mike Galyean

2. Approval of Minutes -2013 GC Meeting and 2013 Annual Business Meeting*
Ellen Jordan moved and Dwain Bunting seconded motion to approve the 2013 Governing Council Summer meeting minutes. Motion carried.
The 2013 Annual Business Meeting minutes will be voted upon at the 2014 Annual Business Meeting.

3. Treasurer’s Report- Financial Update and 2014 Budget  Carl Hunt/FASS Staff
ARPAS came in under budget. Corporate sponsorship came in $500 above budget. There was a loss in PAS Journal of approximately $5800. Revenue for interest and dividends came in under budget about $4500. FASS Service Fees came in $30,000 under budget and under 2012.
Ritter indicated there was an increase in the service fee rate and dropped the shared corporate expense fee, thus the result should be close to a zero net.
Page charges for Symposium have not been credited to journal yet for the symposium papers. There may be more pages than anticipated because one manuscript was long, but very good. Revenues from printed page charges are down. Also had an additional stipend submitted for editorial services.
Carl Hunt moved that $15,000 of the 2013 net gain be transferred to the Foundation as a 2014 expense item in the budget, Bill Price seconded. Motion passed. Carl will make request to FASS to move funds over from checking account. Line 114 added $1500 for moving to on-line exam.
Bill Braman moved and Joann Knapp seconded a motion to approve the budget as amended with the $15,000 transfer resulting in a $3,000 net. Motion carried.

4. President’s Report-  Mike Galyean
See attached for complete report on membership, on-line exams, on-line education, examining board changes, positive ARPAS financial situation, ARPAS chapters and our journal. President Galyean appointed Jack Garrett to chair a “programming committee” and Joanne Knapp is also on the committee. Others will be appointed as needed.

5. Executive Vice-President’s Report  Kenneth Cummings
See attached for the complete report. Thanked Jeremy Holzner and the FASS Staff for their assistance. President Galyean thanked Kenneth Cummings for all of his services.

6. Business Office Report  FASS Staff
Jamie Ritter reported FASS had modified their fee schedule. In addition they had brought in DCRC (Dairy Cattle Reproduction Council) as a new client. President Galyean thanked Jeremy Holzner and the FASS staff for their congenial and helpful service to the organization.

7. PAS Journal Editor’s Report

Wayne Kellogg

We will have a few extra pages and should have the four papers from the Symposium as review papers. Dr. Gunter has written many in the beef industry about PAS journal. Stacey Gunter needs an extension of his Associate Editorship to December, 2016. Wayne moved and Terry Mader seconded the motion to approve the extension. Motion carried.

Cummings indicated we need to keep more of a mix of species papers in the journal and not have the journal get too heavy on one animal species. Wayne and Jeremy will work together to send out an e-mail to membership and potential authors encouraging their contributions to the journal.

8. Historian’s Report

Bill Price

Pictures were in the August newsletter and Price is working on updating history. Need to update some things on website. Price asked if Cummings had made any inroads on apparel with ARPAS logo and maybe pins. That hasn’t progressed as yet. Need to update committees’ page on website.

**ACTION Needed:** Send Jeremy e-mail with corrections to website when we see them. Jeremy will make some corrections as he sees changes that are needed.

9. ARPAS Foundation Report

Bill Braman

Foundation funded ADSA graduate and undergraduate student exam fees at this past summer’s meetings and had 70 students that took the exam. We had 23 of 24 new student members come in after the meetings so presume they were the subsidized members. Next year will extend a similar fee waiver to PSA and ASAS students.

An educational event is being planned for when the Food Safety Modernization Act is finalized.

10. Standing Committee Reports

   a. Ethics

   Joanne Knapp indicated they have initiated review of the Code of Ethics and of the issue raised by the CA ARPAS Chapter regarding publication of an article in July in Progressive Dairymen.

   b. Membership

   Dwain Bunting

   We have still been getting in some membership dues even in the last few weeks. Growth is still an issue. The Foundation supplementing students taking the exam is certainly helpful. Cummings – One company has decided to have their employees become members and over 100 have taken the exam in the last month. Terry Mader indicated that his Board Certification documentation was very important to the legal community when he was called for some expert witness work. (Jeremy indicated 8 new members in the last 24 hours to update the numbers in the written report.) Mid-April Jeremy will create a list for Board.

**ACTION Item:** Dwain offered to personalize the next e-mail to ARPAS members with expired membership.
c. Publications

Jud Heinrichs

No report. Cummings reported that Heinrichs has gotten one newsletter out and next newsletter will come out in April.

d. Professional Relations

Paul Beck

Two have renewed and one new sponsor to date on report. In addition, Beck has contacted a Purina employee and Purina has now come on as a Bronze sponsor. The committee will re-contact sponsors and Jeremy will notify next week that they are delinquent.

e. Program/Symposia

Jack Garrett

Program has been set with four speakers on industry, veterinary, regulatory and educational perspectives on ethics. JAM committee has now taken over planning and working on refining topics and schedule. Garrett is currently acquiring abstracts from speakers.

f. Nominating Committee

Bill Sanchez

Report posted. In Sanchez’s absence, President Galyean indicated they are looking for additional nominees and will get together shortly to make decisions to move forward.

g. Examining

Steve Schmidt

Pass rate is remaining in a similar range as the last few years. Examining Committee reported that they recommend we go forward with on-line examinations using the FASS supported model for creation and administration of the exam. Moved by Schmidt and seconded by Carl Hunt to accept the recommendation for on-line testing. Motion passed.

Schmidt then moved the following procedure:

1. The applicant must complete the application forms and pay the appropriate fees to the ARPAS Business Office. Transcripts may be submitted with or after the application.

2. As with the current paper exams, the online exam must be proctored by an ARPAS member. The ARPAS business office will send the exam login code to the ARPAS member who will proctor the exam.

3. There will be a 70-minute time allocation to take an exam.

4. Upon completion of the exam and submitting the answers, the applicant will see whether he/she passed or failed. No reference to the actual score nor the score needed to pass the exam will be shown.

5. There will be a minimum 30-day wait period between retakes in the event that the applicant does not pass; the applicant would not have to pay the fee again for a retake. After 6 months, the applicant will have to file a new application and pay another fee.

6. Maintain the current 100-question exam with a defined draw of questions from each topic category.
Jordan seconded the motion. Discussion followed. Joanne felt no free retakes should be given for a professional exam. Galyean thought we should allow at least one retake. Mader indicated this is not set in stone, we should start with something. Cummings thought was to have one retake and then must wait 6 months and pay fee for subsequent retakes.

Jordan moved and Jack Garrett seconded the motion to amended item 5 so that an applicant would be allowed to retake the exam once between 30 and 90 days after the first exam at no additional charge. Amendment passed.

Original motion, as amended, carried.

As clarification, we will continue to charge for each species exam the applicant elects to take.

Survey taken five years ago indicated not a lot of departments were interested in assessment exams. Examining Committee requested authorization to work with Penn State to run a trial on assessment exams this year. Steve Schmidt moved and Joanne Knapp seconded the motion to allow the trial this spring including authorization to use our data bank of questions and the associated costs.

11. Reports from Affiliated Society Representatives

a. **ADSA**  
   Jerry Higginbotham  
   This year was a good conference and deadline for early registration is February 19 and will go up considerably thereafter.

b. **ASAS**  
   Terry Mader  
   ASAS will have a new person appointed by February. ASAS started an undergraduate membership division with a 30-35% increase in total membership. In addition they have a learning center, electronic journal club, and symposia. Greg Lewis is the new editor-in-chief. There investments returned 15% this past year. Full report is available in ASAS Taking Stock.

c. **PAACO report (moved up from item 14)**
   Terry Mader reported in Ted Friend’s absence. See attached report for complete details. Functions of the organization include: certify audit instruments or documents and train auditors. Dairy (6), poultry (285), swine (PQA+ -15 verifiers) and meat plant (180) certifications are currently available. Have worked with Brazilians this year and now Australians are also interested for their slaughter plants.

d. **ESS**  
   Cindy McCall  
   No report

e. **PSA**  
   Michael Darre
See attached report. No oral report given.

**AMS A**

**Wayne Mikel**

**12. Chapter Reports**

**Various**

- **Washington Report –** Bill Price reported on the meetings.
- **Arkansas Report –**

  Wayne Kellogg reported that they are working to reorganize the Arkansas Chapter into a four state regional chapter. The Noble Foundation is going to give them 20 rooms to have an organizational meeting for E TX, E OK, Ark and La region, for a four state organizational meeting. Wayne will take exams to Southern Section meeting.

- **NE Chapter Report –** Mark Wagner reported that fifty-three members were present at PA meeting and Limun Kung gave a symposia. They will have another mini-symposium at the fall 2014 conference in PA.

- **Midwest Chapter –** Joanne Knapp indicated the chapter has 110 members so far in 2014 and working to exceed last year’s meetings. Working at four meetings this coming year.

- **CA Report –** See submission

**13. ACAS Report**

Marit Arana indicated that the full report was submitted by Randy Shaver. Marit Arana moved that the Governing Council approve the revision for subsequent ratification by ACAS. Motion seconded by Jack Garrett. Motion approved. Six or seven applicants are in the process of being approved.

**14. PAACO Report**

T. Mader/F.Owsley/T. Friend

Reported as 11c.

**15. Old Business**

Mike Galyean

- Exams and ACAS By-laws changes were the only old business. Both were addressed previously.

**16. New Business**

Mike Galyean

- Nominations for 2014 Distinguished Professional Animal Scientist

  Required to be a member at least 10 years, retired, and have provided leadership to ARPAS. Send nominations to Jeremy Holzner or to Kenneth Cummings.


- Exam issues-Online Exams, Assessment Exams – See item 11g for actions.

- Other
Treasurer's Report
ARPAS Governing Council
January 18, 2014
Carl Hunt, PhD., PAS, Dipl. ACAN

As always, it is my pleasure to provide an end-of-year ARPAS Treasurer’s report for 2013. ARPAS had a productive year as the organization achieved significant accomplishments in all of its important missions while staying well within it financial budget. The organization continues to be on a solid financial foundation under very diligent executive leadership. This report is based on financial information through November 30, 2013; while I do not have December’s revenues and expenses at the time of this report, there were no extraordinary or unexpected items for the month of December.

As of November 30, our year-to-date revenues (not including unrealized gain on our investments) were $231,323.08 and expenses were $197,976.70. This income over expenses included $9513.15 in revenue from interest and dividends. Also, the organization generally operates at less than budgeted expenses. I feel it is safe to predict that we will finish well within the black to provide for some addition to our current reserve. Our assets across all investments (including those in the ARPAS Foundation) stand at about $334.3 K and our unrealized gain for the year on November 30 was $7418. It is also a pleasure to inform you that our total investments asset value of $334 K includes $109 K of asset value in ARPAS Foundation investment accounts. The Foundation’s net asset value has shown very good annual growth which reflects an outstanding long-term commitment by some of our members to the core missions of the organization. Per our instruction, our Morgan Stanley advisor has allocated our assets at approximately 75 percent in fixed income investments while the remaining 25 percent are in equities.

The PAS journal continues to be a self-sustaining activity for ARPAS. Our organization has not increased page charges for a number of years now, yet the journal’s expenses always fall within the income that it generates.

One financial issue that the leadership has deliberated over is the declining revenue which comes to ARPAS through membership dues. Membership Services, which includes regular member, student member and emeritus dues as well as corporate sponsorships, provide about 54 percent of the annual revenue for the organization each year. We have observed a slow but steady decline in total revenue from Membership Services over the last 4 years; $154,767 in 2009 compared with $137,390 in 2012 (it appears that this trend will continue for 2013). The organization’s leadership has been vigilant in its effort to attract new members and to maintain a good renewal rate among current members. It is likely a reality that there are simply not as many animal science professionals throughout the many career fields from which to draw our membership. There is further concern that the organization relies on our investment distributions (interest and dividends) and on unclaimed compensation to the EVP in order to make financial ends meet. Therefore, a $10 increase in annual member dues was approved at the Governing Council meeting in July, 2013 which is effective for 2014 membership. This increase in dues is projected to generate $12-13 K in additional revenue. This is a modest and prudent membership dues increase as it has been approximately 8 years since dues were last increased.
President’s Report – ARPAS Mid-Year Governing Council Conference Call  
January 24, 2014

Let me start by thanking our Executive Vice President, Kenneth Cummings for his diligence and hard work. Much has been and is being accomplished in ARPAS, and in large measure, we can thank Kenneth and his fine service for those accomplishments.

Maintaining and growing membership in ARPAS continues to be a priority. As of the Executive Committee conference call on December 19, 2013, we had 1,549 members in our various categories as members through December 31, 2013. At that same time, just over 1,063 members had renewed for 2014, which Jeremy indicates is on a par with previous years. Renewals continue through March 2014, so please encourage your colleagues who are ARPAS members to renew their membership if they have not already done so. As we did last year, probably sometime in February, we ask members of the Governing Council to contact members that have not renewed and encourage them to complete the process, which, along with updating CEUs, is a simple on-line task that takes only a few minutes. In addition to the regularly renewal process, thanks to funding from the ARPAS Foundation, we offered the ARPAS exam at no cost to undergraduate students at the JAM this summer, with plans to continue this effort in the future. Introducing the students to the benefits of ARPAS membership should help us build our membership base as these students complete their education and move into careers where certification will help them advance and continue to stay abreast of new developments in animal science.

A significant accomplishment this year is the recently developed memorandum of understanding between ARPAS and ASAS, which provides a framework for us to work on projects of mutual interest related to online education, certification, and testing. We expect this agreement, as well as initiatives of this nature we might pursue with FASS and other FASS-affiliated societies, to lead to greater opportunities for expanding our membership internationally, enhanced member services, and increased opportunities for members to obtain CEUs. To facilitate moving forward with ASAS on these issues, we plan to name a joint “programming committee” to work on development of specific items of mutual interest to APRAS and ASAS.

In this same area, the Examining Board has been busy with various items related to online testing. Steve Schmidt, who chairs the Examining Board, along with Kenneth Cummings and me, evaluated on-line versions of one of the ARPAS exams prepared by ASAS and FASS. The exams offered similar capabilities at approximately the same cost. During the December 19th Executive Committee Conference call, we recommended that ARPAS move forward with the FASS version of the exam, which is an action that will need to be voted on by the Governing Council. Steve also was asked at the December 19th meeting to provide a recommendation on whether ARPAS should engage in the process of creating assessment examinations for graduating seniors in animal/dairy science departments across the country. Interest in such exams have been requested by several departments.

ARPAS chapters continue to be a success story. Depending on the venue, chapter events provide an excellent opportunity for industry professionals and academicians, as well as undergraduate and graduate students, to learn about topics important to the industry. As the chapters grow in
numbers and quality of programs, the influence of ARPAS and the importance of ARPAS membership will grow.

Finally, I am particularly pleased that the *Professional Animal Scientist*, our peer-reviewed journal operating under the strong leadership of Dr. Wayne Kellogg, continues to grow in both quality and number of papers published. Five outstanding review articles from the 2013 ARPAS Symposium that will provide comprehensive and timely updates on applied ruminant nutrition are scheduled to be published in the first quarter of 2014. These papers should be frequently cited and bring even more prestige to *PAS*.

I appreciate the opportunity to serve as President of ARPAS, and I hope that the remainder of my term will provide occasions to further enhance the stature of the organization and provide better service to our members.

Michael Galyean, PAS
EVP’s Report to the ARPAS Governing Council
January 24, 2014

ARPAS as an organization had a great year in 2013. Thanks to our dedicated volunteer leadership and our diligent FASS support staff, we provided outstanding service to our members. We sought out new opportunities to enhance our organizational objectives of certification, continuing education and adherence to our code of ethics while living within our financial constraints.

Our PAS Journal continues to grow in stature and recognition by the Animal Science community. We are thankful for the leadership provided by our editor Wayne Kellogg and his cadre of associate editors, reviewers and FASS publication staff. The continuing choice of “PAS” as a publication venue by our membership and their colleagues is essential to the growth and success of ARPAS.

The route to membership in ARPAS is by examination. One activity to increase membership was supported by the ARPAS Foundation. It funded the ARPAS examination fee for over 60 dairy “quiz bowl” students and graduate students during “JAM”. We anticipate this will Foundation activity will grow as we engage ASAS and PSA students and graduate students as well.

The ARPAS Foundation is now in its fifth year and has grown to over $100,000 in assets. Only earnings from the foundation assets can be used for educations endeavors, so I encourage all ARPAS members to make regular a contribution to the Foundation.

While on the subject of testing, I would like to recognize the continuing effort of the examination committee consisting of Steve Schmidt-chair, Mike Galyean, Marit Arana and Kenneth Cummings. Over the past year, online testing programs were reviewed and the use of ARPAS exams as assessment tools for graduating seniors was further explored.

ARPAS administrator Jeremy Holzner and the FASS IT staff tested various programs and submitted one to the Examination Committee for evaluation. A proposal for online testing will be presented by the Examination committee at the January 2014 GC meeting. If approved, this will be the first change in testing procedures implemented by ARPAS since our inception.

ACAS, led by President 2X Randy Shaver, President-Elect Marit Arana and Secretary Dale Hill, continues to encourage qualified ARPAS members to seek board certification. A change in the bylaws, submitted for approval by the GC, will enhance opportunity for those with a more diverse educational background.

ARPAS has not had a dues increase in a number of years. It became increasingly difficult to budget the activities of the organization from dues and sponsorship contributions without underspending on several budgeted item. Membership has not grown much and sponsors have been less generous or disappeared. To insure that our programs remain viable, a small increase in dues was approved at the GC meeting in July. I am happy to report the increase created no adverse reaction from our membership. ARPAS is now on much firmer financial footing, thanks to our members and to the diligence of our financial watchdog, Carl Hunt.

The President-Elect of PAACO is Terry Mader, our own senior representative to that organization. Ted Friend and Frank Owsley are our other representatives. We greatly appreciate their participation on behalf of ARPAS. PAACO has gained international stature as certification organization for animal welfare.

Your Executive committee handles the interim business of ARPAS (between GC meetings). The committee is ably headed by ARPAS President Galyean and the business is skillfully recorded by Secretary Ellen Jordan. Additional support is provided by Past-President Sanchez, President-Elect Garrett and Treasurer Hunt. The Executive committee also invited participation by Editor Kellogg, Historian Price and regional Directors Beck, Knapp, Heinrich and Bunting.

I want to thank all these outstanding professional animal scientists for their work on behalf of ARPAS.

Submitted
Kenneth Cummings, Dipl. ACAN
The 29th volume of the Professional Animal Scientist was completed with 700 pages. That compares to 693 pages in the previous volume in 2012. Again, we certainly could publish more research papers and review articles. The February 2014 issue is in press. The manuscripts of papers that were presented at the Symposium in Indianapolis are on track to include these excellent papers in the April Issue (assuming that the final 2 are retuned with minor edits completed). Nine additional papers have been accepted, and 26 are in various stages of review. We did not experience the usual large influx of papers at the end of year, so please encourage scientists to submit papers.

During 2013 four review articles were included: “Updated scientific evidence on the welfare of gestating sows kept in different housing systems” by Dr. McGlone; “A historical perspective of specific milk-replacer programs in the United States and effects on eventual performance of Holstein dairy calves” by Drs. Kertz and Loften; “Colostrum supplements and replacers for calves” by Drs. Cabral, Chapman, and Erickson; and “Life-cycle, total-industry genetic improvement of feed efficiency in beef cattle: A blueprint for the Beef Improvement Federation” by Dr. Nielsen et al. The articles provide members with excellent updates on topics and enhance the value of the Journal.

In addition to the 4 reviews, there were 75 research articles, 4 case studies, and 1 technical note. The number of papers with specific topics ranged from: 54 beef, 13 dairy, 10 swine, 2 horses, 2 goats, and 3 forages.

The number of papers relating to the beef industry highlights the work of Dr. Stacey Gunter as Associate Editor. I really appreciate his editing most of the beef manuscripts. ACTION NEEDED: I need to send a letter of invitation to extend his role for 2 years (ending December 2016) so Dr. Gunter can obtain approval from USDA before September 30th.

Dr. Bob Goodband completed 3 years as ‘volunteer’ Associate Editor working with swine industry papers. His workload prevents him from continuing in that role, but he has agreed to serve on the Editorial Board for a 3-year term. I do not see a need for a replacement with the current workload.

I really especially appreciate the work of the Editorial Board members, other reviewers, and the FASS professional staff. Special thanks are due to Dr. A.
Hayden Brown, Dr. Robert Coleman, Dr. Al Kertz, and Dr. Brian Nielson for completion of two terms on the Editorial Board. A certificate of appreciation should be mailed to them.

Respectfully submitted,

Wayne Kellogg, Editor-in-Chief
PAS Journal
Pictures taken at the annual meeting were featured in the August newsletter. Currently, I’m still wrestling with Wikipedia to publish a short brief on ARPAS. Their formatting is completely different from any journal and a little difficult to break. I just resubmitted my manuscript on Sunday, January 19 and hopefully, it will be accepted this time. I am also working on updating the PDF History. I am using the minutes from the last two annual meetings as the source for the update.

Looks like we need to update our ‘Committees Page’ on our web site.
The ARPAS Foundation was initiated in 2008 and the ARPAS bylaws in 2010 were ratified by the membership in 2010. Foundation Committee members include Andy Cole (2016), Moe Bakke (2014), Dale Hill (2015), Bill Braman (2014), Carl Hunt as a statutory member and Kenneth Cummings as ex-officio member.

The ARPAS Foundation as of Nov. 30, 2013 had assets of $109,088.60 per the financial statement with targeted invested of 75% in fixed income securities and 25% in equities.

In an effort to support membership growth, the Foundation Board presented "Why you should be a member of ARPAS" to the Dairy Quiz Bowl contestants and ADSA Graduate Student Division during the 2013 Joint Annual Meeting of the Societies. This resulted in offering 70 students an ARPAS exam with a pass rate of 50% and most (51) taking the dairy cattle exam. The testing fee of $25 for each was paid with earnings from the Foundation Account ($1,750). The Committee will consider the same activity in 2014 and include ASAS and PSA.

The committee is organizing a webinar focused on educating the ARPAS membership on the effect of the implementation of the Food Safety Modernization Act (FSMA) on member’s companies, customers, and clients. FDA has expressed concerns about products manufactured by a facility that may not contain essential nutrients or have too much of a nutrient. They have reiterated several times that the agency does not want to replace nutritionists or be nutritionists. Several cases have been reported to FDA where a firm failed to include an essential nutrient that was either omitted in a formulation or omitted in the product’s production. Similarly, the agency was also aware of some cases where one or more excessive nutrients were added causing severe health problems in animals consuming the product. The AFIA has agreed to assist with the presenters and organizing these webinars.

Bill Braman
Committee members this year and their terms are:
Mr. Steve Adsmond 2012-2014  Dr. Robert Coleman 2013-2015
Dr. Joanne Knapp 2012-2014  Mr. Chris Dei 2013-2015
Ms. Amber Moffett 2012-2014  Dr. Will Seymour 2013-2015

Past Business
1. The Ethics Committee received a formal complaint from an ARPAS member in 2013 regarding a company's business practices. One of the committee's recommendations was to send a letter to the company informing them that the sales practice of providing independent consultants with a fee for use of a product constitutes a violation of the ARPAS Code of Ethics and should be discontinued. The letter was sent in July, and I received a telephone response from the Vice-President and had an in-person meeting with the National Sales Manager. Both of them assured me that they did not condone this approach as an acceptable business practice and that they would work with their sales team to clarify that position.

2. Initiating the review of ARPAS Code of Ethics. This process has begun by recruiting 6 ad hoc members to serve in addition to the standing committee members.

3. I've provided input to Dr. Jack Garrett who's organizing the ARPAS symposium on the topic of ethics.

Current Business
1. Draft and publish magazine articles per the committee's recommendations last year regarding the ethics violation above.

2. Reviewing the ARPAS Code of Ethics and suggesting revisions, if needed.

3. Addressing the issue raised by the CA ARPAS Chapter regarding an article in one of the July 2013 issues of Progressive Dairyman.

4. Develop other opportunities to address Ethics for Animal Science Professionals and highlight ARPAS' role in maintaining professional ethics: national symposium, training workshops for young animal scientists, other ways to reach livestock and poultry producers, collaborating with veterinary organizations, etc. This may be a larger task than what can be achieved by the Ethics Committee alone.

5. All of the information regarding committee members and terms on the ARPAS web site needs to be updated.
Currently, 2014 membership numbers are down 11.9% over the final numbers in 2013. Reviewing previous years, this likely reflects slow renewal of some members more than a true loss of membership. Additional “encouragement” may be needed to bring all members to current status. The table below summarizes membership statistics for members paid through the end of 2012, 2013, and 2014.

<table>
<thead>
<tr>
<th>ARPAS MEMBER TYPE</th>
<th>2012 Members</th>
<th>2013 Members</th>
<th>2014 Members</th>
</tr>
</thead>
<tbody>
<tr>
<td>Associate Member</td>
<td>29</td>
<td>36</td>
<td>29</td>
</tr>
<tr>
<td>Board Certified</td>
<td>193</td>
<td>186</td>
<td>166</td>
</tr>
<tr>
<td>Complimentary Member</td>
<td>68</td>
<td>68</td>
<td>68</td>
</tr>
<tr>
<td>Corporate Sponsor</td>
<td>15</td>
<td>11</td>
<td>3</td>
</tr>
<tr>
<td>Emeritus</td>
<td>40</td>
<td>36</td>
<td>34</td>
</tr>
<tr>
<td>Graduate Student</td>
<td>23</td>
<td>40</td>
<td>35</td>
</tr>
<tr>
<td>Institution</td>
<td>28</td>
<td>28</td>
<td>26</td>
</tr>
<tr>
<td>Life Emeritus</td>
<td>19</td>
<td>19</td>
<td>19</td>
</tr>
<tr>
<td>PAS NM Subscription</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Post Doctoral Student</td>
<td>0</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Professional Member</td>
<td>1133</td>
<td>1119</td>
<td>978</td>
</tr>
<tr>
<td>Undergraduate Student</td>
<td>0</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>TOTAL</td>
<td>1550</td>
<td>1548</td>
<td>1364</td>
</tr>
</tbody>
</table>
Professional Review Committee Report

This year’s committee consists of

Chair Paul Beck, AR, Southern Director
Bradley Clyburn, TX; Dale Hill, IL; Justin Waggoner, KS; Jason Rowntree, MI; Troy Wistuba, MO; and
Matt Cravey, TX; Plus Joanne Knapp, OH, Midwest Director as an Ad hoc member

I appreciate all the work this committee put forth.

Although, over 35 current, former and potential sponsors were contacted, this year we have
fallen to 2 corporate sponsors (Diamond V and Arm & Hammer Animal Nutrition) that have
renewed to date and one new sponsor (Provimi).

**Platinum $2,500 per year**
Diamond V
Arm & Hammer Animal Nutrition

**Gold $1,500 per year**
Provimi North America, Inc.

We are currently re-contacting some of our past sponsors to see if we can boost renewals from
the current level.
JAM ARPAS Symposium 2014

This is what has been submitted to ASAS/ADSA for our symposium:

ARPAS Symposium: Customer/Consumer confidence in the livestock industry - Ethics (Tuesday, July 22, 2014; 9:30 am - 12:30 pm)

Feed industry perspective. Lawrence Dwain Bunting, ADM Alliance Nutrition, Lubbock, TX

University perspective. Michael L. Galyean, Texas Tech University, Lubbock, TX

Veterinary perspective. Chris Ashworth, Elanco, Indianapolis, IN

FDA Guidelines on feeds, feed additive and drug claims. Dr. Michaela Alewynse, Team Leader, Nutrition and labeling Team, Division of Animal Feeds, CVM.

Jack Garrett
Nominating Committee Report

Potential Nominees for 2014

I am Chair of the ARPAS Nominating Committee for the 2014 elections. My report is actually a request for Nominees from the Governing Council.

Dr. Cummings was gracious enough to prepare the list below of potential candidates to consider based on his observations of their interest, willingness, dedication and leadership.

Our committee of Past-Presidents Bill Braman & John Wagner will review these and any additional nominations submitted after the January GC meeting from ARPAS members.

We will need to hold elections for the Secretary (3-year term) and President-Elect for 2014-15. Following our usual rotation, this years Pres. Elect should be from academia/government.

Please add names to this list and send it back to me.

Many Thanks, Bill Sanchez

For President-Elect. (Governing Council & Exec. Committee Experience)
Terry Mader
Jud Heinrichs
Dale Hill
Paul Beck
Joe Harrison
Gary Tibbets
Dwain Bunting
Tim Snyder
Phil Smith
Mich Etchebarne
Joanne Knapp
Ellen Jordan
Carl Hunt
Andy Cole
Gerald Higginbotham
Tim Riordan
Bob Wetteman
Jim Spain
Steve Emanuele
Cindy McCall
ARPAS exams were administered 289 times during 2013. Overall, 63% of exam takers passed. The pass rate is similar to seven of the past eight years when it ranged between 58 and 69%. The table below gives a breakdown by subject area.

<table>
<thead>
<tr>
<th>Exam</th>
<th>Total Given</th>
<th>Passed</th>
<th>Failed</th>
<th>% Pass</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beef Cattle</td>
<td>34</td>
<td>23</td>
<td>11</td>
<td>67.6</td>
</tr>
<tr>
<td>Companion Animals</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dairy Cattle</td>
<td>197</td>
<td>137</td>
<td>60</td>
<td>69.5</td>
</tr>
<tr>
<td>Dairy Product Sciences</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Goat</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>100</td>
</tr>
<tr>
<td>Horse</td>
<td>36</td>
<td>14</td>
<td>22</td>
<td>38.9</td>
</tr>
<tr>
<td>Laboratory Animal</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>50.0</td>
</tr>
<tr>
<td>Meat Science</td>
<td>4</td>
<td>1</td>
<td>3</td>
<td>25</td>
</tr>
<tr>
<td>Poultry</td>
<td>6</td>
<td>4</td>
<td>2</td>
<td>66.7</td>
</tr>
<tr>
<td>Sheep</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Swine</td>
<td>7</td>
<td>1</td>
<td>6</td>
<td>14.3</td>
</tr>
<tr>
<td>Totals</td>
<td>288</td>
<td>182</td>
<td>106</td>
<td>63.2</td>
</tr>
</tbody>
</table>

The chair would like to remind anyone who hears or receives comments about exams or exam questions to please pass them on to me or the ARPAS office so we can address any problems.

Last fall, at the suggestion of Mike Galyean, the examination chair formed an ad hoc committee composed of individuals who had been on the governing council and (or) previously had been involved in managing the ARPAS exams. The purpose of the committee was to provide feedback to the governing council through the examination chair on moving toward the use of online exams and whether ARPAS should get involved in administering assessment exams to seniors graduating from college at those universities needing an assessment instrument. A questionnaire was sent to 14 individuals who agreed to serve on the ad hoc committee; seven responded to the questionnaire. The questionnaire for the online exams was the same as the one shared with the governing council prior to the December 19 conference call.

On December 20, following the December 19 governing council conference call (and before anyone on the ad hoc committee had responded to the questionnaire), the examination chair sent the following update to the ad hoc committee:
This is a follow-up about ARPAS moving to on-line exams. We had a good discussion about the on-line exams during the governing council conference call yesterday afternoon. It was recommended (to be voted on at the mid-year meeting) that ARPAS use the online exam developed by FASS. After the call, Kenneth, Mike and Steve discussed what was said, and we are tentatively proposing the following to be voted on at the January 24 mid-year meeting, assuming that the council votes positive to go online with the exams.

1. When an individual registers and pays to take an ARPAS exam, the exam registration code must sent to, and the exam proctored by, an ARPAS member. Application and test fee paid in advance. (An applicant would register and pay exam fee to Jeremy. Jeremy would send the information needed for the applicant to logon to take the exam to the ARPAS member who will proctor the exam.)
2. There will be a minimum 30-day wait period between retakes; the applicant would not have to pay the fee again. After 6 months, the applicant would have to file a new application and pay another fee.
3. Use a 70-minute time allocation for an exam
4. Eliminate all references to the score required to pass an exam (i.e., The applicant sees only pass or fail.)
5. Maintain the current 100-question exam with defined draw of questions from each subject category

I would like your feedback on the use of on-line exams and the above suggested rules (assuming we move ahead) by January 10.

At the January 24 mid-year meeting, the governing council also would like to vote on whether ARPAS should provide assessment exams for schools that have a need for such an exam. Your input will be very important for our discussion of this issue. Again, I would like your feedback by January 10

Here is a summary/overview of the responses.

**Online exams.** There was universal agreement that moving to online exams is a good idea. A common statement was similar to this: it sounds like the governing council has laid out a good plan (or sound procedure) for going online. There still is concern for proctoring exams taken overseas where an ARPAS member likely will not have a physical presence. Could we use Skype or web cam or would some video conferencing possibilities provide an option for a “proctor” to observe the test taker from afar? It was suggested that limiting the time a test taker has to answer a question might discourage cheating (less time to look up something on a smart phone). Jeremy said that putting a time limit on individual questions is not an option with the software used to generate online exams.
Committee members were in favor of pass/fail; no score being shown; and the person should not see the questions that were missed. If it is decided to show a person his/her score, there was a suggestion that the passing grade be raised at least to 70. The fee charged should be based on cost recovery and creating funds for future developments in this area and not, as one individual put it, using the country club approach to regulating membership!

There was no general agreement on how soon or how often a person can re-take an exam nor whether there should be any free re-takes before a fee has to be paid again. This issue will need to be decided and voted on by the governing council. Responses ranged from you pay every time you take the exam to you can re-take the exam monthly up to six months at which time you pay again.

How many questions should be on the exam? Is 100 questions adequate? We need to see what research has been conducted in this area.

**Assessment exams.** There was no consensus on ARPAS getting involved in assessment exams. Responders either did not address the question, were not in favor of assessment exams per se, suggested that it might be time to survey universities again to see if the need has changed, or thought it might be worth doing a test run with those universities that have been wanting the exam. This latter idea accomplishes addressing the perceived need and limits the burden of trying to make an exam that covers 50 states.

Larry Chase summed up the difficulties with developing valid assessment exams. “I feel this approach is interesting but needs a lot more thought and investigation. Should we repeat the previous survey to get current feedback from departments? The challenge I see is that developing assessment exams may be highly university dependent. At Cornell, our Animal Science majors take 4 basic core courses. The rest of their animal science courses will vary depending on the student and student interests, career goals, etc. We could have 2 students graduate with a dairy science emphasis with quite different courses. This could make it difficult to develop an exam that would fit both students. Yes, we are being asked by administration to do a better job of assessing the tangible outcomes of the teaching program. Assessment exams could be one option, but it will be essential to have buy in from university administration.”
Reports from Affiliated Society Representatives
ADSA made its $204,000 contribution to the NRC update, JDS is on pace to publish 8,100 pages, and Discover Conferences continue to perform very well, by every measure. The 2013 JAM, hosted by ADSA, turned in a record number of scientist-attendees for a two-society meeting (50 countries represented), and ADSA saw an uptick in valued received on the post-JAM survey. Individual membership is up this year, now above 4,100. If an ARPAS member wants to join ADSA, they can do so from Oct 1 – Dec 31, 2014 now. ADSA created a 15 months option for those in the fall who feel that they need to wait until Jan 1 to joint, to get a full year of benefit.

The semi-annual ADSA newsletter is located at:


As a reminder, ARPAS members can subscribe to S-PAC at the ADSA member rate, and also attend Discover Conferences at the ADSA member rate (graduate students can attend at a special low rate (10 grad students per meeting from all societies, so first come first served), and they can then receive a $250 travel stipend, too.
2013 Report of the Poultry Science Association to ARPAS

The 2013 meeting of the Poultry Science Association, Inc. was held in San Diego, CA. The meeting was well attended. A small table with ARPAS recruitment information was set up and literature was available for prospective members. As the PSA representative to ARPAS, I will continue to bring the message about ARPAS to members of the PSA, graduate students and industry people.

Respectfully Submitted by,

Michael J. Darre, Ph.D. P.A.S.
University Marshal
Professor and Extension Poultry Specialist
Dept of Animal Science
3636 Horsebarn Road Ext. Unit 4040
University of Connecticut
Storrs, CT 06269-4040
860-486-1008
The American Meat Science Association held its annual meeting in Auburn Alabama in June 2013 hosted by Auburn University. Emerging issues, such as meat safety, biotechnology, marketing, labeling, packaging, and meat processing along with meat animal growth factors and animal welfare were discussed in detail by scientific and industry experts. Over 650 members from the US and around the globe, including a record number of students, attended the event. The 2014 meeting will be hosted by the University of Wisconsin and Oscar Meyer in Madison, Wisconsin.
ARPAS
Chapter Reports
Report of the Arkansas ARPAS Chapter

Wayne Kellogg, Vice President

A meeting was held in Rogers on September 5th with the Arkansas Nutrition Conference. It was decided to pursue expansion to a regional chapter by inviting ARPAS members in Louisiana, Texas, Oklahoma, and Arkansas to meet for dinner in Texarkana on December 2nd. Thirteen members and 3 potential members met with representatives from each state. The current President, Vice President and Secretary-Treasurer of the Arkansas Chapter were in attendance. Several members who could not attend had written to express their support. Discussion indicated considerable interest in starting the 4-state approach to an ARPAS Chapter.

An invitation was extended to meet at Noble Foundation near Ardmore, OK in late Spring 2014. Wayne Kellogg was designated to organize the meeting. It was mentioned that there could still be local meetings, if desired. A copy of a charter from another regional chapter is needed. Upon receipt, that will be available to members for adoption and a formal meeting with election of officers will occur in 2014 during the meeting at Noble Foundation.

Wayne Kellogg will be available during the first week of February to display ARPAS materials at a table during the meeting of Southern Section of ASAS in Dallas to promote interest in the regional chapter. Any advice on how to proceed would be appreciated.
Since the national governing council met in July the California ARPAS chapter held the annual “Bang for Your Buck” trap shoot fundraiser. More than 120 participants met at the Kingsburg Gun Club for an afternoon of trap shooting and a steak dinner. This year more than $12,000 was raised to sponsor scholarships and fund research.

The annual continuing education conference was held in late October at Harris Ranch, Coalinga. During the two day meeting talks were presented on fetal programming and control of embryonic growth (Joel Caton), pre-ruminant growth and impact on production (Jud Heinrichs), growth and development in meat animals (Brad Johnson) and mathematical modeling of growth (Ermias Kebreab). Special thanks to Kirk Klasing, UC Davis, for stepping in at the last minute for Bill Rumpler and presenting a talk on the interaction between nutrients and immunity in farm animals. Due to the government slowdown on October, Bill was unable to present his scheduled talk.

Graduate student scholarships were awarded to Jill Soderstrom (UC Davis) who received the Kutches Scholarship; Nadia Swanepoel (UC Davis) and Nicole Einfalt (Cal Poly, SLO) were recipients of the Memorial Scholarship. Undergraduate scholarships were awarded to Hannah Daley (Chico State) and Colton Negus (Cal Poly, SLO).

Tim Riordan, Marit Arana (California ARPAS liaisons with CDFA) and the research committee, headed by Jim Oltjen, in cooperation with the California Department of Food and Agriculture (CDFA) and the Almond Hullers and Processors Association are evaluating new methods for the determination of almond hull quality. Jim’s group is also looking for samples of pure stand alfalfa hay that have measured ME; these samples are needed for further work on the NIR equations for estimating ME content of pure stand alfalfa hay.
Midwest Chapter and Director's Report to the Governing Council
Submitted by Joanne Knapp, Ph.D. PAS
Midwest Director and Midwest Chapter President-elect
January 17, 2014

The Midwest ARPAS chapter is in its fourth year since inception and doing well. Last year we had 130 paid members by the end of the year, and so far in 2014, 110 people have paid their memberships.

Current officers are:

- Dr. Dwight Roseler, President
- Dr. Joanne Knapp, President-elect
- Dr. Ken Zanzalari, Secretary-Treasurer
- Dr. James Coomer, Director
- Ms. Amber Moffett, Director

- Dr. Dale Hill, Director
- Mr. Phil Kreuger, Director
- Dr. Chad Risley, Director
- Dr. Randy Walker, Director

Midwest Chapter activities are planned to coincide with regional conferences and occur primarily in the spring and early summer. We've held one activity since the last Governing Council meeting. It was a Panel Discussion on the National Animal Nutrition Project (NRSP-9) for Swine and Dairy which occurred during the Joint Annual Meeting in Indianapolis on July 8, 2013, featuring:

"How the Swine NRC 2012 Evolved" Dr. Phil Miller, U. of Nebraska
"Impact of the Swine NRC in the Industry" Dr. David Meisinger, U.S. Pork Center of Excellence
"Update from the Feed Composition Committee" Dr. Phil Miller
"NRSP-9 Ruminant Research Activities" Dr. Mike Vandehaar, Michigan State University

Attendance was light, but those who attended thought the program provided valuable information and insights.

Currently, we are in the planning process to have Midwest Chapter sponsored-activities and meetings at the following events in 2014:

1. MW ASAS/ADSA meetings, Des Moines, IA March 17-19
2. Tri-State Dairy Nutrition Conference, Ft. Wayne, IN April 14-16
3. World Pork Expo, Des Moines, IA June 4-6
4. 4-State Dairy Nutrition & Management Conference, Dubuque, IA June 11-12
Southern Great Plains Chapter of ARPAS Update

2013 Officers:
● President (1 yr): Britt Hicks
● President-elect (1 yr): Justin Waggoner
● Sec-Treasurer (2 yr): Kim McCuistion
● Director 1 (1 yr): Dwain Bunting
● Director 2 (1 yr): Steve Blezinger
● Immediate Past President: Lionel Lane

The chapter hosted an educational meeting in Lubbock TX on November 8 (Current Issues in Animal Agriculture). About 50 persons attended. Graduate students (10) three universities were present: Texas Tech University, West Texas A&M University, and New Mexico State University. The program for the meeting follows:

● Welcome and introduction: Dr. Mike Galyean, Texas Tech University
● Update on Beef NRC: Dr. Andy Cole, USDA-ARS, Bushland, TX
● Future of beta agonists and other technologies: Dr. Mike Hubbert, Clayton Livestock Research Center, New Mexico State University, Clayton
● Impact of animal agriculture on the Ogallala aquifer: beef, dairy and swine industries: Dr. Steve Amosson, Texas A&M AgriLife Extension Service, Amarillo, TX
● Use of forage sorghums: Dr. Ted McCollum, Texas A&M AgriLife Extension Service, Amarillo, TX
ACAS Report for the 2014
ARPAS Governing Council Mid-Year Conference Call

Randy Shaver, Ph.D., PAS, Dipl. ACAS-Nutrition, ACAS President

Current ACAS Officers and Board
Randy Shaver, President; Marit Arana, President-Elect; Dale Hill, Secretary-Treasurer; Kenneth Cummings
Executive Vice President of ARPAS

Disciplines & Directors
Discipline of Animal Nutrition
    Marit J. Arana, A.L. Gilbert Company
Discipline of Animal Food Science
    Kenneth W. McMillin, Louisiana State University AgCenter
Discipline of Animal Breeding and Genetics
    Currently vacant
Discipline of Animal Physiology
    Jonathan Goodson, Evonik Degussa
Discipline of Animal Welfare Science
    Geoffrey A.H. Cochrane, Russell Veterinary Services
Discipline of Applied Animal Behavior Science
    Dr. Jeff S. Pendergraft, Pendergraft and Associates, LLC

Report

- Two new members have been approved and accepted into ACAS in the Nutrition Discipline. Those new members are Dr. Robert Corbett and Dr. Robin Rastani.

- There are six applications in progress for membership in ACAS.

- The current ACAS President-Elect is Marit Arana.

- ACAS Discipline of Animal Breeding and Genetics Director, D. H. Crews, Jr., Colorado State University, died October 10, 2013.

- An ACAS By-Laws revision has been submitted to the ARPAS Governing Council for a vote. If approved then ACAS will submit the by-laws revision to its membership for a vote.
PAACO report for ARPAS 2014 mid-year Governing Council Meeting
January 24, 2014

PROFESSIONAL ANIMAL AUDITOR CERTIFICATION ORGANIZATION (PAACO)
2013 Activity Summary

PAACO is the made up of a coalition of five professional animal industry organizations.

- American Association of Avian Pathologists
- American Association of Bovine Practitioners
- American Association of Swine Veterinarians
- American Registry of Professional Animal Scientists (Board members representing ARPAS: Terry Mader, Frank Owsley, Ted Friend)
- Federation of Animal Science Societies

PAACO’s mission is to promote the humane treatment of animals through education and certification of animal auditors, as well as the review and/or certification of animal audit instruments, assessments and programs.

Certified Audit Instruments
- PAACO maintains a list of 12 core minimum requirements for audit instrument certification.
- Currently there are four species audits that have certified status – American Meat Institute Meat Plant Welfare, Validus Dairy Production, FACTA Swine Production, & National Pork Board PQA Plus Swine Well-Being Verification.
- Two audit instruments underwent annual reviews for re-certification; two new programs were certified in the year. Five additional audit tools covering swine, turkey and broilers are in the review process.

Auditor Training
- In 2013, the following trainings were held:
  - Meat Plant: four courses - US; 118 trainees
  - Poultry: three course – US and Canada; 117 trainees
- 2013 training included USDA/AMS auditors who validate welfare standards for school and other government purchases.
- Contacts regarding other species and additional courses were received, responded to and continue to be pursued. Training for USDA/FSIS meat plant (beef & pork) inspection personnel is scheduled in 2014.
- Development and implementation began for a Brazilian based program for auditor training for cattle, swine and broiler slaughter.

Certified Auditors
- Auditors must maintain their certification status through 12 annual contact hours of continuing education and a $150 fee.
- As facilities allow, certified auditors are allowed to attend the lecture portion of the trainings for continuing education credit.
- Currently there are four categories of certified PAACO auditors or verifiers:
  - Meat Plant – 190 auditors
• Poultry (layer, broiler & turkey) – 285 auditors
• Dairy – 6 auditors
• PQA+ -- 15 verifiers

Other – Stakeholder Relations
• PAACO has in place an Advisory Council who are financial supporters of our mission of quality audits and auditing. That Council consists of: National Pork Producers Council, US Poultry & Egg Council, and McDonalds Corporation.
• Poultry suppliers and allied industry companies have supported the annual poultry trainings through sponsorships.
• In 2013, regular contact was maintained with numerous retail and foodservice companies who utilize PAACO resources for training and welfare information.
• In 2014, additional meeting opportunities and relationships with customer-type companies and associations are being pursued.

Leadership/Administration
• PAACO is governed by a 15-member board made up of appointees from the five founding member organizations. Two new directors were seated in the past year. Current officers elected in December are:
  Chairman: Terry Mader (ARPAS)
  Vice Chairman: Jennifer Walker (AABP)
  Secretary: David Pyle (AAAP)
  Treasurer: Matt Anderson (AASV)
• PAACO’s approved annual 2014 budget is about $238,000 (income) & $167,000 (expense).
• At yearend 2013, PAACO has a net worth of about $300,000. This is due to increased welfare auditor training demand in Meat Plant and poultry segments.
• See included fact sheet for general information.

12/20/13

Respectively submitted to the ARPAS Governing Council: Terry Mader, Frank Owsley, Ted Friend