Call To Order

Dean Akridge called the meeting to order at 3:30 PM.

Approval of Agenda

There were no requested changes to the distributed agenda. Chris Osteo introduced a motion to approve the agenda. Mark Diekman seconded the motion that was passed by unanimous vote.

Reports and Updates – Update on Plant Sciences Research and Education Pipeline

Karen Plaut began talking about the progress of Plant Sciences. We now have a Center for Molecular Agriculture. Bob Pruitt was hired in July and we have an offer out for a leading faculty position for Tom Mitchell-Olds. Of the 10 new positions that were approved under the Plant Science research and education pipeline, we advertised for 5 new positions. We have close to 200 applicants for the 5 positions and great breadth within the pool. We also had the first summer of undergraduate research in 2014 and will be continuing in summer of 2015.

Karen then discussed transforming plants to improve crops specifically by taking advantage of Jian-Kang Zhu’s offer to lead a workshop on gene editing. In addition the genomics core will now include gene editing. Karen went on to state that the College is looking at plant greenhouse imaging. We met with 5 companies to look at how to build that imaging area. She added that we are looking at upgrading teaching labs; specifically the Biochemistry renovation is complete while the genetics lab is in the works.

Karen stated that “Smarter Agriculture” is in the process of being trademarked by the College. She remarked that a great deal of efforts are underway or planned for the Agronomy farm.

Next Karen covered data from plant phenotyping, including where the Phenotyping Center will be locate-near Beck facility (to the West). The Center will have a new entrance established off-of highway 52; it will have a fiber optic pipeline already in the ground to and from the Plant Phenotyping building. Karen discussed the different sections/components of the building (see attached Powerpoint for schematic).
MANY faculty have been involved in the design of the building and we appreciate their input. Want to make sure it is reconfigurable in the future. Want to make sure as a University we are up to date in modern standards. Worked with Dow Agro Sciences and Becks and others so that our students can really understand and learn that line of work.

Karen then discussed commercialization. There are many new partners—including Birck, IBM, and Verizon. Also, as of other day there will be demonstration and training with UAS at the farm. We worked with College of Technology to establish this training.

Questions…

Jay Akridge asked Karen Plaut to talk about leading faculty program. Karen responded that it is an area that is strong, but could benefit from additional strength. Individuals can apply for a leading faculty grant from the University. We can do this in a number of areas. If interested talk with Jay or Karen to make sure it is an area where we can offer support. We put in an application to the Office of the Provost and then they put together everything that is above “base assistant professor position.”

Jay Akridge offered a big big thanks to Karen over the last year. Lots of great things are happening since President Daniels announced this Big Move/initiative.

Karen Plaut added one final comment. She stressed that this is about infrastructure investment…people and buildings to enhance the type of science we can do…but this is open to anybody. Want to allow you to go out and get competitive grants. This is about you and allowing you to do your research.

Dean Akridge commented that Plant Sciences is on President Daniels’ radar and that he includes this initiative in his speeches to state and national leaders.

Karen Plaut’s presentation is included in the document that is appended to these minutes.

**College of Agriculture Faculty and Staff Awards – Dr. Dennis Buckmaster**

Dennis Buckmaster stated that it is appropriate that we recognize departmental nominees and recipients at a forum where their peers (faculty) are present. Also recognizing earlier in the academic year allows us to be competitive for other awards at university and national level.

Richard L. Kohls Outstanding Early Career Teacher nominees are:
- Abigail Engelberth, ABE
- Nicole Olynk Widmar, AGEC
- Jianxin Ma, AGRY
- Vikki Weake, BCHM
- Kiersten Wise, BTNY
- Ian Kaplan, ENTM
- David Barbarash, HLA

The 2014-15 Kohls Early Career recipient is David Barbarash.

David C. Pfendler Outstanding Counselor nominees are:
- Jenna Rickus, ABE
- James Eales, AGEC
The 2014-15 Pfendler Outstanding Counselor recipient is Gary Steinhardt.

The Richard L. Kohls Outstanding Teacher nominees are:
- Dan Ess, ABE
- Larry DeBoer, AGEC
- Laura Bowling, AGRY
- Mark Hall, BCHM
- Nick Carpita, BTNY
- Jonathan Neal, ENTM
- Andrea Liceaga, FS
- Sean Rotar, HLA

The 2014-15 Kohls Outstanding Teacher is Larry DeBoer.

Outstanding Service to Students (staff award) nominees are:
- Dan Taylor, ABE
- Jane Wiercioch, NRES/AGRY
- Orla Hart, BCHM
- Tyson McFall, BTNY
- Cara Fila, ENTM
- Donna Keener, FS

The 2014-15 Outstanding Service to Students recipient will be announced at a January meeting of A/P staff/advisors headed up by Tim Kerr.

Shawn Donkin recognized the Outstanding Graduate Mentor and Teacher award.

The Outstanding Graduate Mentor nominees are:
- Nathan Mosier, ABE
- Timothy Baker, AGEC
- Linda Lee, AGRY
- Layi Adeola, ANSC
- Jeffrey Holland, ENTM

The 2014-15 Outstanding Graduate Mentor is Linda Lee.

Jay pointed out again that nominees and award winners will be recognized at College of Agriculture Spring Awards Banquet on April 27, 2015.

**Consent Agenda – Action Items**
Dean Akridge noted that documents pertaining to the consent agenda were distributed prior to the meeting. Then he asked Barny Dunning to provide an overview of the Curriculum Student Relations Committee (CSRC) document.

Barny noted that there was one change to CSRC document. Document No. VIII, Department of Food Science…prerequisite should be listed as…4 credits in physics and FS 34100.

Dean Akridge asked if anyone wanted to remove items from the consent agenda for additional discussion.

Mike Dana moved to approve all items on the consent agenda. Mark Russell seconded the motion and it was passed by unanimous vote.

Barny then announced that beginning in Fall 2014, CSRC has worked to provide a new format to the Proposed Course and Curricular Changes document. We have provided a template for all departments to use. Encourage to talk to your CSRC rep if need access to the template. Much redundancy in what was requested when new course proposed. Have removed duplication of material that is requested of the faculty member/department.

Dean Akridge called for a vote on consent agenda. The document was approved by unanimous vote.

Memorial Resolutions

The Following memorial resolution was presented:

Martin Stob by Mark A. Diekman

A moment of silence was observed in remembrance of this emeriti member of the faculty. Copies of the resolution is appended to these minutes.

University Senate Report – Jennifer Dennis

a. Senate met on 3 occasions. Only 1 document brought forward…composition of what looks at composition of voting members of voting members.

b. Other news…report from Dr. Jarred Tippets on Boiler Gold Rush (report is on University Senate website)
   i. Dr. Frank Dooley reported on textbooks and cost saving measures.
   ii. CIC Governance. Dr. Kirk Alter presented on more proactive senate
   iii. Upcoming COACHE survey. Drs. Laurel Weldon and Peter Hollenbeck presented details on the upcoming COACHE survey. The 2015 survey will open in January and the data are completely confidential and is held by COACHE and not the Purdue administration.
   iv. Mr. Steve Hare presented on a web-based database that will capture faculty info on activities and accomplishments.
   v. Dr. Alyssa Rollick presented on sexual assaults. Range of support services that are available.
More details regarding the University Senate report are included in the document that is appended to these minutes.

Dean’s Report

a. Very busy searches. 24 searches at the present time. 9 dept. looking for positions. Two head positions are also open (YDAE and BCHM).

b. Academic Programs…fall undergrad enrollment highest since 1982. 50% of enrollment is now women. Proportion of URM is moving up slowly. Admissions decisions announced December 12. Numbers are up, but we need to work on yielding them. Transfer numbers are up. In process with new agreement with Vincennes. Last agreement is from 1950, so needs updated.

c. Purdue Extension…lot happening. Focus on community development. Built deep collaborations with Lt. Governor’s office. This area resonated with Senator Vilsack when he was here. 4-H has had success with new clubs…for instance one in Gary, IN. Lot of work on Food and Ag side…focus group with extension educators.

d. Distance Education…new announcement that Dr. Jennifer Dennis will be the first director of Distance Education for the COA. Will help at undergrad and graduate level to move forth distance education. Will pull together the structure and support for those who want to get involved in Distance Education. She also represents College on the Provost task force on distance Education.

e. Getting ready to start our biennium budget. We received a $1.5 million increase during the last session. Starting January 1, ADDL will be under College of Veterinary Medicine. Other ask is Ag & Life Sciences Bldg.—it is at top of University list. Great deal of work that goes into this…met with PCARET group (about 200 were on campus in November). They like what COA does and then they talk to their state representatives/legislators.

f. Ag COM has handouts and talking points that College has given to legislators. Examples of things that are done to help our PCARET members and others what we are doing with the money that is given to us. We will have a legislative luncheon in early January.

g. New Ag and Life Sciences. College has committed $10 million. Asking University for another $10.

h. Development highlights…
   a. Jim Hintz donating money for CATE and to have a John Wooden Statue erected.

i. Strategic Plan Process…Jason Henderson has 20 listening sessions planned around the State. We had listening session with industry. Hope to have proposal by March and get feedback from faculty by end of the academic year.

j. P&T policy under review in Spring 2015. We will make sure we get a chance to provide input.

k. New Budget Model – do not really know timeline or the specific details of this new model. The College has looked at other models and what MIGHT happen, but nothing definite. We are trying to anticipate, but when and what is down the road.

l. AgriNovus Indiana—entity formed under BioCrossRoads. Their intent is to see more companies in Indiana focus on food and agricultural research. Also see current companies in Indiana focus on the same.
m. Questions…
a. Otto Doering…really important that faculty get to look at this new P&T policy. Once it is out there we really need to get a chance to give feedback. Really important for faculty to look at it and make sure they concur.

Dean Akridge’s presentation is included in the document that is appended to these minutes.

Adjournment

Otto Doering presented a motion to adjourn the meeting and Jennifer Dennis seconded the motion which passed unanimously. The meeting adjourned at 4:36 PM.

Next Meeting

The 2015 Spring Semester Agricultural Faculty meeting is scheduled for 3:30 PM on Wednesday, April 8, 2015 in the Deans of Agriculture Auditorium in Pfendler Hall.

Respectfully submitted,

Timothy P. Kerr
Secretary, Agricultural Faculty
Plant Science Research and Education Pipeline Update

- Expand capacity in plant biology
- Transform plants to improve crops
- Automate large-scale plant analysis
- Commercialize products and graduate leaders

Purdue University invests > $20M
Progress Report - Expand Capacity in Plant Biology

Center for Molecular Agriculture

- Bob Pruitt hire as Center Director
- Tom Mitchell-Olds being recruited
  - Leading Faculty Hire
- Approx. 180 applicants for 5 positions
- Undergraduate research – 6 in 2014
- MASI Summer Institute
  - High School Students – June 2014
Progress Report - Transform Plants to Improve Crops

• Invest in plant genome engineering core
  – Gene editing lab
    • Workshop being planned for May
    • Renovating Genomics Core to include gene edition
  – Advanced Imaging
    • Met with 5 companies
    • Defined requirements

• Teaching lab upgrades
  • Biochem lab renovation starting
  • Beck Genetics Lab in Design Phase
Progress Report - Smarter Agriculture™

• Agronomy farm (ACRE) becomes the phenotyping platform
• New sensors being installed in Water Quality Field Station
• UAVs flying at ACRE with advanced sensors
• Building Design is complete and project is out for bid
  – Begin building in March, Complete by March 2016
Plant Phenotyping

Above the Ground

On the Ground

Below the Ground
Location - Facility for Innovation in Plant Phenotyping
Facility for Innovation in Plant Phenotyping
Commercialize Products/Graduate leaders

• Learning community for technology in agriculture has been developed
• Working with Ag Alumni Seed
• New Partners – IBM, Verizon Wireless, Birck Nanotechnology, Many new colleagues in engineering college, technology, science
Plant Science Research and Education Pipeline

- Expand capacity in plant biology
- Transform plants to improve crops
- Automate large-scale plant analysis
- Commercialize products and graduate leaders

PLANT SCIENCES
PURDUE AGRICULTURE
Martin Stob
Professor of Animal Sciences

Dr. Martin Stob, 88, of West Lafayette died November 14, 2014, at Westminster Village. Dr. Stob was born February 20, 1926, in Chicago, Illinois. He began his studies at Purdue in September 1943. After completing one year of college work, he enlisted in the United States Navy and served in the Atlantic and Pacific theatres during World War II. Upon receiving his honorable discharge in 1946, he returned to Purdue and received his Bachelor of Science in Animal Sciences. He was employed by Swift and Company, one of the nation’s leading meat processors, until he returned to his alma mater in 1949 to pursue a Masters degree. Following the completion of the Masters degree in 1951, he obtained his Ph.D. in 1953 in Reproductive Physiology. He joined the Purdue faculty in 1953 and began what was to become a distinguished career in undergraduate teaching and in research in the field of reproductive physiology.

During his 40 years as a faculty member, he taught courses in Market Types and classes of Livestock, Reproductive Physiology, Gamete Physiology and Advanced Environmental Physiology. His first love was in the teaching of reproductive physiology to undergraduate students, a course previously developed by Dr. Fred Andrews. During the 61 semesters he taught the course, he averaged approximately 70 students per semester with 4,271 students benefiting from his mastery of a subject and his expertise in instruction. University course evaluations indicated that approximately 93% of his students would like to take a second course from him and that 96% would recommend that friends or fellow students take his course. Not surprisingly, he earned many outstanding teaching awards at the Department and College level.

Dr. Stob was also an outstanding counselor. The very prestigious award for undergraduate counseling given by Omicron Delta Kappa was presented to him in 1977. He served as a departmental counselor for approximately 40 students per semester for 35 years and served as undergraduate teaching coordinator from 1984 to 1988. He strived to learn the strength, weakness and aspiration of each ANSC student. He followed the role of the 4 F’s when working with students: firm, frank, friendly and fair.

Early in his career, Martin also excelled in research. He authored or co-authored 49 refereed publications. He served as major professor or as a graduate committee member for more than 100 graduate students. Most notable of his research accomplishments involved hormonal control of reproduction in farm animals, including phyto-estrogens and the production of estrogens by fungi. For recreation, Dr. Stob enjoyed fishing, camping, swimming, handball, bowling and music.
University Senate Report to the College of Agriculture, December 11, 2014

Good afternoon Dean Akridge and faculty of the College of Agriculture. I am pleased to present this report of the activities of the Purdue University Faculty Senate for the fall semester, 2014. The senate met on three occasions during this semester.

There has been one document brought forward to the senate for action during this period.

A. Senate Document 14-1, University Senate for Approval and Faculty Units (passed 17 November 2014)

Section D 3.00 of the University Code, and the Bylaws of the University Senate, provide that the University Senate shall be composed of one hundred two members. Sciences, 9.36; Liberal Arts, 13.24; Management, 4.19; Pharmacy, 3.21; Science, 14.26; Technology, 7.31; Veterinary Medicine, 4.95. In order to achieve the desired 89 Senators; the Colleges of Agriculture and Health and Human Sciences were less than but closest to 0.50 and thus were assigned values of 14 and 10 Senators, respectively. In 2013, the number of voting faculty members in Agriculture was 297 with 13 senators allocated for 2014-2015. The number of senators increased for 2015-2016 by 1 to 14 total with 301 voting faculty members as of October 1, 2014.

Other news from the Senate

Transforming Boiler Gold Rush
A report describing the transformation of Boiler Gold Rush was presented on September 8, 2014 by Dr. Jared Tippets, Director of Student Success at Purdue and Mr. Dan Carpenter, Senior Associate Director of Student Success. The overview of the transformation included improvements in academic focus, improvement in international student experience, increase in length from 4 to 7 days, mentorship beyond the week of the program and the orientation as a 4 step process.

Making Textbooks More Affordable
Dr. Frank Dooley presented a report on the benefits of a staff/student partnership with Amazon. This report was generated as a result of faculty input to President’s Savings at Purdue email in spring 2013 and a textbook committee that was formed as a result of this suggestion.

CIC Governance
Dr. Kirk Alter presented a report on the 2014 faculty governance leadership conference and suggested some areas for improvement in the faculty senate processes and procedures and suggestions for a more proactive senate.
Update to Upcoming COACHE Survey
Drs. Laurel Weldon and Peter Hollenbeck presented details on the upcoming COACHE survey. This research instrument gives faculty an opportunity to improve career satisfaction at Purdue. As a result of the 2012 survey:
- $3,7 MN in additional recurring dollars for faculty pay increases above and beyond the usual merit pool
- Formation of a promotion and tenure task force resulted in a new promotions policy currently before the Faculty Affairs Committee
- Creation of the Child Care Task Force and a decision to build an additional campus daycare set to open in 2016.

The 2015 survey will open in January and the data are completely confidential and is held by COACHE and not the Purdue administration. The direct links to COACHE are as follows:
Provosts Office COACHE web page (content updated soon)
http://www.purdue.edu/provost/initiatives/coache/index.html
This page has info plus a link to the 2012 COACHE data summaries
Direct link to 2012 COACHE data summaries (requires PU career login):
https://sp2010.itap.purdue.edu/provost/COACHE/SitePages/Home.aspx

Digital Measures Managing and Reporting on Faculty Accomplishments
Mr. Steve Hare presented on a web-based database designed to capture, manage and report on faculty activities and accomplishments. The goal is to store data once and use it for CV’s, annual reviews, bio sketches, accreditation, faculty profile pages, P&T, etc. The current work and plans is that a dozen departments from five colleges are slated to use DM for annual reviews this spring.

Sexual Assaults
Dr. Alysa Christmas Rollock reported on sexual violence and Title IX. Important takeaways from this presentation include students’ safety and security is the highest priority of the university. Harassment is unacceptable and will not be tolerated at Purdue. There are strong policies and practices to ensure it is not happening. There are a range of support services and resources for those who are victims of sexual violence. Remember that as a faculty/staff member, you are an important resource for students. As a community, we should strive to meet the needs of victims and enforce polices that respects due process for both the complainants and respondents.

Respectfully submitted,
Jennifer Dennis
College of Agriculture
Faculty Meeting
Dean’s Comments
Jay Akridge
Glenn W. Sample Dean of Agriculture

December 11, 2014
Positions Approved/Posted (24.25)

- ABE: ‘Precision Agriculture’
- *ABE: Synthetic Biology (Engineering Expansion)
- *ABE: Sensors (Engineering Expansion)
- AGEC: Agribusiness/Farm Management
- AGRY: Small Grains Breeding and Genetics
- *AGRY: Soils (Opportunity Hire)
- *AGRY: Soils (Dual Career)
- *ANSC: Animal Well-being
- ANSC: Meat Science
- *ANSC: Bioinformatics (Opportunity Hire)
- BCHM: Head
- *BTNY: Weed Science (Dual Career)
- FS: 2 Positions
- *Plant Sciences: 5 positions
- HLA: Clinical Specialty Crops
- HLA: Controlled Environment Agriculture
- YDAE: Head
- *YDAE: PK-12 STEM (Cluster)
- *Computational Biology (Cluster)
- Micro/Gut Biome (.25 FS or ANSC, split with Nutrition Science)
Academic Programs

- 2,711 Undergraduate students in 30 majors
- 77% Indiana residents; 57% women; 7% URM
- Academic indicators continue to improve (test scores, GPA)
- 1,295 students received $6.3M in scholarships in 2013-14
- 92% May 2013 grads employed/pursuing advanced degrees

Current Initiatives:

- CATE (College of Agriculture Transformational Experiences)
  - Undergrad research; Study Abroad; LDCP; Issues 360
- Transfer Programs
  - Ivy Tech and Vincennes University; Pathway to Purdue
- MASI (Molecular Agriculture Summer Institute)
  - Plant Sciences recruitment and outreach
- EXPERIENCE Purdue Agriculture recruiting campaign
**Purdue Extension:**
Leveraging Federal, State, and Local Partnerships to Transform Lives and Livelihoods

**Community Development:** enhance Indiana’s economic vitality through leadership and civic engagement, entrepreneurship/business development, and economic planning/collaboration.

- New Investments in Regional Educators
- Hometown Collaboration Initiative
- Big Data Tools to Improve Decision-Making

**4-H Youth Development:** Expand hands-on experiential based learning activities focused on STEM education to Indiana’s youth.

- Reaches 200,000 youth annually, with 70,000 youth in 4-H clubs
- Hired a New Science Coordinator focused on robotics and biotechnology
- Targeting future investments on healthy living

**Agricultural and Natural Resources:** Strengthen the economic and environmental sustainability of Indiana agriculture

- Enhanced capacity for local foods/small farms/urban agriculture
- Expand on-farm research for commercial agriculture
- Stronger collaborations across water, nutrient management, and soil health.

**Health and Human Sciences:** Through partnerships, Purdue Extension will expand educational programming designed to reduce obesity and improve Indiana’s health rankings.

- Expand Signature Programs and County Health Coalitions
- Partner with the new Center for Nutrition Education and Obesity Prevention.
- Partner with the National Family Impact Center

Purdue University Cooperative Extension Service is an equal access/equal opportunity institution.
Distance Education

• New Director of Distance Education
  – Dr. Jennifer Dennis
  Associate Professor of
  Agricultural Economics &
  Horticulture/Landscape
  Architecture
16-17 Budget Request

- Research and Extension (CrossRoads)
  - +1.5% per year increase
- County Extension
  - +1.5% per year increase
- ADDL
  - + $438,000 increase to cover 5 staff positions
  - +1.5% per year increase
- Agriculture & Life Sciences Building
  - $30m toward new home for Animal Sciences
Additional Resources

- Talking points
- Handout for legislators
- Agricultures Magazine

- AgSEED website
  https://ag.purdue.edu/agseed/Pages/default.aspx

- News, columns like “Capital Comments” and “The Street Where You Live”
New Ag and Life Sciences Building

- Phase I – Ag and Life Sciences Building - $50m ($30m state)
Development Highlights

- $8.5m (total to date) Animal Sciences Building
- $1.7m – Krannert 7th Floor Remodel, AGRY Classroom
- $2m - CATE and John Wooden Statue
- 2 Anonymous deferred gifts > $2.5m
- More than $9.0m total commitments to scholarships since July 1, 2013
Purdue University is an equal access/equal opportunity institution.

**Strategic Plan Process**

- **Research, Teaching, Extension, Community Team Work**
- **Our World/Environmental Scan**
- **Mission, Vision, Values**

**Data Collection/Insights/Input**
- Community Forum Sessions (around state)
- Industry Roundtable
- Team Listening Sessions
- Speakers:
  - Wotecki
  - Others
- Social Media
- Other?

- **Cross Mission Team Work on Strategic Questions**
- **Strategic Plan Draft**
- **Vet Strategic Plan**
- **Metrics Development**
- **Finalize Strategic Plan**
Some Questions

- How do we position Purdue Agriculture as a global leader in our areas of focus?
- How do we continue to improve our climate, culture, and diversity to become the place where faculty and staff want to be?
- What set of curricular and co-curricular experiences will prepare our students for 21st century opportunities?
- How do we grow our student numbers in targeted areas and build an even more robust pipeline for transfer students?
- How do we deepen our capabilities to partner across the college, the campus, with other universities, with industry/other organizations? What set of investments/practices will help us be the partner of choice in our core areas?
- What changes are needed for Extension to deliver high impact, research based-insights to targeted audiences with changing needs?
- What funding strategy is appropriate given the changes in the funding environment at the federal, state, and county levels as well as a new budget model on campus?
- How do we secure funding for much-needed facility upgrades?
Other Updates

• P&T Policy – under review
• New Budget Model – next steps uncertain
• AgriNovus Indiana
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