Call to Order

Interim Dean Karen Plaut called the meeting to order at 3:32 PM.

Approval of Agenda

Natalie Carroll introduced a motion to approve the agenda. Sylvie Brouder seconded the motion. The agenda was passed by unanimous vote.

Approval of Minutes

Interim Dean Karen Plaut called for approval of the minutes from the March 2017 COA Faculty Meeting. Natalie Carroll made a motion to approve. Jody Banks seconded the motion. The minutes were approved by unanimous vote.

Reports and Updates

1. Mental Wellness – Ms. Julie Cox (Office of the Dean of Students) and Ms. Tami Low (Purdue Wellness)

The Mental Wellness presentation is included in the document that is appended to these minutes.

2. College Awards – Dr. Dennis Buckmaster and Dr. Shawn Donkin

Dennis provided general remarks about the awards and the importance of teaching and advising to the College. He indicated that nominees in attendance would be recognized, but the recipient would be announced at upcoming departmental faculty meetings. We will officially recognize and celebrate everyone at the all College Spring Awards Banquet in April.

The 2017-18 Outstanding Service to Students recipient will be announced at a December meeting of A/P staff/advisors headed up by Tim Kerr.

Shawn Donkin recognized the Outstanding Graduate Mentor and Teacher award.

Interim Dean Plaut thanked Dennis and Shawn for their work. She thanked and congratulated the nominees.

Dennis Buckmaster’s presentation is included in the document that is appended to these minutes.
**Consent Agenda – Action Items**

Brian Dilkes asked to remove Part III of Document X.

Mike Dana made a motion to approve the remaining items on the consent agenda. The motion was seconded by Natalie Carroll and passed unanimously.

Interim Dean Plaut asked Michael Saunders to address the group on behalf of the Curriculum and Student Relations Committee (CSRC).

Mike Dana added, that the Pre-Plant Sciences program does not prohibit a student from picking any major.

Brian Dilkes noted that the Biochemistry major is absent from the list of options, but that this can be remedied by including the basic science faculty; this can be overcome by proper advising during a student’s first-year; make sure the student gets into the right classes.

Mike Saunders noted that advising was discussed during CSRC.

Brian Dilkes then stated that, “it is exclusionary, that’s my point!”

Karen Plaut questioned, what is limiting someone interested in biochemistry from going this route (pre-plant sciences)?

Brian Dilkes explained, that it is the reverse. If a student is interested in biochemistry but starts in pre-plant sciences it will take longer than four years because the current plan of study requires remedial courses.

Barb Golden interjected, that the issue is the chemistry requirement in the plan of study. Biochemistry requires CHM 11500/116000 while most other majors require CHM 11100/11200.

A discussion followed about the best way to make Pre-Plant Science more inclusive of all majors in the College. Barb Golden suggested adding CHM 115000 and CHM 11600 to the plan of study. Linda Lee noted that it needed to be clear to students that taking CHM 11100 and 11200 may limit a student’s options.

Natalie Carroll made a motion to approve Document X, Part III (Pre-Plant Sciences) with the amended plan of study which includes CHM 11500 and CHM 11600. Cale Bigelow seconded the motion and it passed unanimously as amended.

**Memorial Resolutions**

The following memorial resolutions were presented:

i. Virginia Ferris by Stephen Cameron
   
   ii. Jerry Wilcox by Jules Janick
A moment of silence was observed in remembrance of each of these emeritus members of the faculty. Copies of the resolutions are appended to these minutes.

**Report Items**

**University Senate Report – Dr. Jo Ann Banks**

Jody stated that there was not much to say; not many action items for the University Senate this Fall. We have voted on changes to the bylaws thus far. Very minor stuff this semester. A Kaplan subcommittee has been formed. Next semester should be different when the committees bring items to the senate to vote on.

**Dean’s Report – Interim Dean Karen Plaut**

Interim Dean Plaut began her report by commenting on the College’s accomplishments—a new world food prize recipient bringing Purdue’s total to three and representing three different departments in the College. She also recognized Suzanne Nielsen from Food Science on being honored as one of two recipients of the U.S. Department of Agriculture National Excellence in College and University Teaching Awards for Food and Agricultural Sciences. Interim Dean Plaut noted that the College has a nice portfolio of funding. She then went on commend the “Experience Purdue Ag” campaign; the College has a record number of students in Fall 2017. She commented that it is an important effort to recruit students. Another record number in the College of Agriculture—37% of our students have had a study abroad experience. Karen stated that Pamela Morris recently won Diversity in Action Award. Pam works with K-12 students, undergraduate students and graduate students. Pam is working on virtual reality to help individuals understand diversity.

Interim Dean Plaut discussed new faculty hires and stated that all departments are represented. For 2017-18, the Department of Agricultural Economics has been impacted the most due to deaths and retirement—the department lost 10 of 40 faculty.

Karen then touched on improved facilities. She discussed the new Animal Science building and the upcoming new Agricultural and Biological Engineering building. The latter is not built yet, but was overdue. She stated that rankings and excellence do matter and ABE is a top ranked program—#1 in ABE in undergraduate education and #2 in graduate education.

Looking forward Interim Dean Plaut stated that data is a critical part of all the College does—teaching, research, and extension! Dennis Buckmaster is leading this emphasis and effort. The College is working on a Digital Vision Statement.

Karen then spoke about Plant Sciences. She stated that convergence, the ability to bring any group together (i.e. plant sciences, engineering, polytechnic, etc.). Resources are being put behind what we can do together across all units/areas at Purdue. She also discussed educators in Drone programs across the state of Indiana. Interim Dean Plaut then sated that urban garden is a big issue; there is now an urban garden certificate and become discussions about food deserts.

Interim Dean Plaut then addressed the Transform Purdue project. It will impact all faculty and we will all have to learn new systems. Long-term, much of the current paperwork will go away and will streamline process.

There were no questions or comments.
Interim Dean Plaut concluded the meeting by expressing her thanks and stating that the people are the backbone that makes this College go. Our caring attitude is noticed, especially since 4-H has 6 million participants!!

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

**Adjournment**

Natalie Carroll made a motion to adjourn which was seconded by Jody Banks and passed unanimously. The meeting was adjourned at 4:45 PM.

**Next Meeting**

The 2018 Spring Semester Agricultural Faculty meeting is scheduled for 3:30 PM on Wednesday, March 28 in the Deans of Agriculture Auditorium in Pfendler Hall.

Respectfully Submitted,

Timothy P. Kerr

Secretary, Agricultural Faculty
Introductions

Julie Cox
Associate Dean of Students, ODOS

Tammy Loew
Senior Assistant Director, Wellness Programs
Welcome to December...
Welcome to December... At Purdue...
POPULAR SERVICES

• Absence notifications
• Emergency loans
• Full withdrawals
• Conduct advocacy
• Navigating campus resources
STUDENT OF CONCERN REPORTS

IDENTIFYING STUDENTS IN NEED OF SUPPORT
WHAT YOU'RE ASKED

• Reporter's information
• Student's information
• Description of concerns
• Plans for follow up
Mental Wellness Task Force
• Mental Health is CAPS, Mental Wellness is everyone.
• Review of current work
• Universal messages
• How you can help

Grit | Noun
COURAGE, bravery, pluck, mettle, backbone, spirit, strength of character, strength of will, moral fiber, steel, nerve, fortitude, toughness, hardiness, resolve, resolution, determination, tenacity, perseverance, endurance; informal: guts, spunk.
Increase in students with mental health concerns

- According to APA, 95% of college counseling center directors surveyed said the number of students with significant psychological problems is growing.

- On average, 21% present with severe mental health concerns - Purdue 8,400

- Students also appear to struggle with resilience when things are difficult. The phrase “artificial maturity” has been coined for this generation of college students.
Brief overview of Task Force Work

- Research
  - ACUHO-I & EAB
  - Charge given on 4/11/16
- Universal Messages Launched
- Quarterly Newsletters
  - Partnering with HHS, Pharmacy & Honors College
- Campus Partner Meetings
- 21 Presentations were given reaching over 1,550 faculty & staff
Universal messages

- **Problem solving** – everyone has challenges & experiences obstacles, knowing when to ask for help is key!
- **Failure** – Failure is an important part of learning and success.
- **Core Values** – College life requires clarifying values and adapting to a new normal.
- **Coping with stress** – Stress is natural and can become overwhelming. Building resiliency to cope with stress means finding healthy ways to de-stress.
- **Interpersonal relationships** - Understanding how to communicate and develop relationships is key to success. This includes respecting each other, sharing your feelings, supporting each other, and finding gratitude.
Next Steps

• Reinforce the universal messages as appropriate.

• If you are concerned about a student, please go to the ODOS main page to the “report a student of concern” link.

• Please share resources, scholarly articles or information regarding mental wellness with Tammy & Julie.
Awards

Purdue College of Agriculture
Nominees Recognized Today
Awards to be received April 25, 2018
Order

• Kohls Outstanding Early Career Teacher
• Pfendler Outstanding Advisor
• Kohls Outstanding Teacher
• Service to Students (staff and/or non-tenure track faculty)
• Outstanding Graduate Mentor/Teacher
Richard L. Kohls Outstanding Early Career Teacher

• Meng Deng, ABE
• Jacob Ricker-Gilbert, AGEC
• Michael Mashtare, AGRY
• Vikki Weake, BCHM

• Anjali Iyer-Pascuzzi, BTNY
• Brady Hardiman, FNR
• Hye-Ji Kim, HLA
• Linda Pfieffer, YDAE
David C. Pfendler Outstanding Counselor

- Martin Okos, ABE
- Mitch Tuinstra, AGRY
- Paul Ebner, ANSC
- Scott Briggs, BCHM
- Peter Goldsbrough, BTNY
- Suzanne Nielsen, FS
- Reuben Goforth, FNR
- David Barbarash, HLA
- Kathyrn Orvis, YDAE
Richard L. Kohls Outstanding Teacher

- Keith Cherkauer, ABE
- Mike Gunderson, AGEC
- Laura Bowling, AGRY
- Ryan Cabot, ANSC
- Joe Ogas, BCHM

- Bryan Young, BTNY
- Elizabeth Flaherty, FNR
- Lisa Mauer, FS
- Sean Rotar, HLA
- Kathyrn Orvis, YDAE
Outstanding Service to Students (staff)
(nominees recognized in an advisors meeting)

• Robert Stwalley, ABE
• Ryan Musselman, AGEC
• Ashley York, ANSC
• John Cavaletto, BTNY
• Laurie Lambert Van Keppel, FS
• Julie Pluimer, FNR
• Vicki Stirm, HLA
• Elizabeth Byers-Doten, YDAE
Outstanding Graduate Mentor/Teacher

• Bernie Tao, ABE
• Paul Preckel, AGEC
• Eileen Kladivko, AGRY
• Shihuan Kuang, ANSC
• Andy Mesecar, BCHM
• Douglass Jacobs, FNR
• Bruce Applegate, FS
• Levon Esters, YDAE
Congratulations
to
Nominees & Recipients

Thank You
to
Awards Committee
Awards Banquet

Wednesday

April 25, 2018
Virginia Ferris Memorial Resolution.

Dr. Virginia Ferris passed away August 14th 2017 following a short illness. She was born in Abilene, Kansas to a prominent family of local bankers and her father was a childhood friend of President Eisenhower. Her undergraduate training was at Wellesley College in Massachusetts, followed by a PhD in Plant Pathology at Cornell University that she completed in 1954. She was the only female graduate student in her department at that time. Following graduation, she joined the faculty at Cornell as an assistant professor. It was also at Cornell that she met the love of her life and career-long collaborator, John Ferris, who was then a grad student several years behind Virginia. Following their marriage, Cornell dismissed her for the, then, crime of being pregnant while faculty and the couple moved to the Midwest in 1956, initially to Illinois and then to Purdue in 1958 when John joined the Dept of Entomology. Virginia set up a home laboratory while raising two small children and did research as a free-lance consultant until she was appointed to the department in 1965.

Virginia thrived at Purdue, becoming the university’s first female full professor in 1974 by which time she had already been assistant dean of the grad school, assistant provost, President of the Society of Nematologists, associate editor of the Journal of Nematology and recipient of the Helen B. Schleman Gold Medallion Award (which honors individuals for contributions to the promotion and advancement of female students). She would later go on to become a Phi Beta Kappa, to be elected to Fellowships of the National Science Foundation, Indiana Academy of Science, the Society of Nemotologists and the European Society of Nematology, and in early 2017 to be awarded the Purdue Agricultural Alumni Association Certificate of Distinction.

Virginia was a foremost expert on nematodes, particularly on their diversity in soil and plant pathology. The early part of her career was devoted to microscopy, travelling extensively to collect soil samples for biodiversity research. Over 20 years ago, and at a time most faculty are contemplating retirement, she converted her research program to genetics-based assessments of nematode diversity, thus becoming a pioneer of approaches which are now ubiquitous in nematology. However, she never lost her appreciation for whole organismal biology and microscopy, saying in an interview “When you compare what scientists find at the molecular level today with conclusions they based solely on microscope observations back then, many of their early conclusions still hold true today”. Together with her husband John, she worked extensively on the Soybean Cyst Nematode – a crucial pest of the soy industry, developing plant resistance genetics which resulted in the CystX system which was patented in 1996, and has been widely used in the soybean industry since that time.

Virginia was passionate about mentoring younger scientists, in particular easing the way for junior female scientists. She served as faculty fellow for Earheart Hall for over 30 years and each of her administrative appointments were concerned with improving the status and representation of women on campus. For decades, she quietly served as a mentor and advisor to graduate students throughout our department, helping to troubleshoot methods, grant applications, supervisor management, career aspirations, and by simply providing a symbol for students of what was possible in science with sheer persistence. From my first day in 2016, she was always a very good sport about her new boss having not even been born by the time she made full professor.
Virginia is survived by her son Jeffrey A. Ferris of Temecula California, and daughter Susan Ferris Wyderko, of Rockville Maryland as well as three grandchildren, Jennifer, Thomas, and James. She will be sorely missed by the Department of Entomology, and by the whole Purdue community.
In Memorial
Dr. Gerald Eugene Wilcox

Dr. Gerald Eugene Wilcox, long time member of the Department of Horticulture and Landscape Architecture passed away on November 21, 2017 in Lafayette. He was born in Wisconsin on July 17, 1925, served in the US Navy from 1943 to 1946 as an Electronic Technician, and was a crew member on the submarine USS Sea Poacher. He attended the University of Wisconsin and received a PhD in 1953 in soils and plant physiology. After graduation Dr. Wilcox worked as an agronomist at the North Louisiana Experiment Station. Gerry joined the faculty of Purdue University in 1957 and advanced to the rank of Professor. He was a dedicated teacher and researcher and became the Indiana authority on vegetables with special emphasis on crop nutrition. His research was carried our statewide and he was instrumental in advancing horticultural crop production with special emphasis on tomato and melons. He was long in charge of the greenhouse soil testing laboratory operated in the Department. Dr. Wilcox was a distinguished scientist and received the Romanowski Award for his contribution to Indiana Food Processing. He is survived by his three children, Susan Lisac, Philip Wilcox, and Nancy Wilcox, seven grandchildren, and 12 great grandchildren. He will be sorely missed by his colleagues, family, and friends. He will not be forgotten.

Jules Janick
Purdue Agriculture
Faculty Update
December 7, 2017
Karen Plaut
Interim Dean
Our Faculty

• 27 Named and Distinguished Professors
• 8 named Fellows of Professional Societies last year
• Dr. Suzanne Nielsen – USDA Award for Excellence in Teaching
• $58M in sponsored research awards, 2016-2017
• Funding from USDA, NSF, NIH, DOE, State and local govt, Foundations, Industry
Diversity/Inclusion Success Initiatives

• New Faculty Lunch Series
• Associate Professor Lunch Series
• DC Funding Agency Trip
• Departmental Mentoring Programs
• Diversity/Inclusion Award/Spotlight
• DATA Martin Luther King Jr. Week
• Diversity Catalysts
• Academic Council Training
2017-2018 Faculty Positions Approved

- ABE: Asst Professor, Digital Agriculture
- ABE: Asst or Assoc Professor, Machine Systems Engineering
- AGEC: Asst Professor, Food Supply Chains
- AGEC: Asst or Assoc Professor, Ag Analytics and Production
- AGEC: Asst or Assoc Prof, Food, Ag Business Management & Finance
- AGEC: Asst Prof, Environmental and Resource Economics
- BCHM: 75% Computer Science, 25% Biochemistry
- BTNY: Asst or Assoc Professor, Crop Pathology
- FNR: Asst or Assoc Professor, Forest Economics & Management
- FS: Asst or Assoc Professor, Fermentation Sciences (Cluster Hire)
- FS: Asst Professor, Plant Bioactives and Human Health
- YDAE: Asst Professor, Teacher Education
Improved Facilities

Skidmore Sales and Distributing
Food Product Development Laboratory

New Student Farm

Biochemistry Lab

Landscape Architecture Studio
Looking Forward: Digital Agriculture/Data Science

Dennis Buckmaster
Dean’s Fellow for Digital Agriculture

Lux Research - Strategies for Success in the Digitization of Agriculture Webinar-20170718
College of Agriculture Digital Ag Vision Statement

We will be the global leader in
1) Providing digital science and agriculture education and training; and
2) Data standards, analytics, and applications to decision-making

From ETH Zurich
Forest Ecosystems: Challenges, Impacts, & Solutions

Songlin Fei
Associate Professor
Dept. Forestry and Natural Resources

Framework - Marcosystems Ecology

- Large scale patterns and processes, including the interactions and feedbacks across scales.

- The relationships among three critical multi-thematic components:
  1. Geophysical processes,
  2. Biological processes,
  3. Socio-cultural processes

Tools - Digital Natural Resources

- Big data
  - Extensive field data
  - Socioeconomic data
  - GIS, GPS, and Remote sensing

- Visualization and analytics
  - Visualization
  - Statistics
  - Machine learning

Heffernan et al. 2014
The Purdue Plant Sciences Pipeline brings together multidisciplinary research and education to move discoveries from the bench to application and commercialization.
ANR Educators in Drone Program

Northwest
- Jacob Holloway
- Bryan Overstreet
- Andrew Westfall
- Jon Charlesworth
- Ashley Holmes
- Phil Cox

Central
- Valerie Clingenman
- Hans Schmitz

Southwest
- Miranda Edge

Southeast
- Steve Engleking/Crystal Van Pelt
- Bob Yodar
- Bill Horan
- Austin Pearson
- Mark Carter
- Justin Curley
- Scott Gabbard
- Dave Osborne
• Two-year plan to redesign and transforming business processes and remove current SAP structural impediments
• Enterprise Asset Management (EAM)
• Human Capital Management (HCM)
• General Ledger (Finance), Reporting and Technology
• https://www.purdue.edu/treasurer/transform/index.html
Thank you for your support!