

## **101<sup>st</sup> ANNUAL BUSINESS MEETING OF THE POTATO ASSOCIATION OF AMERICA – MINUTES AND SUBMITTED REPORTS**

Wednesday, July 26, 2017

President Mike Thornton called the 101<sup>st</sup> Annual Meeting of the Potato Association of America (PAA) to order at 1:30 p.m. on Wednesday, July 26, 2017 in Fargo, North Dakota, USA. A quorum of members was present. President Thornton asked for a moment of silence as a tribute to PAA members and friends who passed away since the last business meeting: Robert Dwelle, Milt Workman, and Bill Brodie.

President Thornton called for additions to the agenda. There were none. **MOTION** moved by B. Nedrow, seconded by M. Pavék and unanimously passed to accept the Annual Business Meeting agenda as presented.

### **Officer Reports:**

**President Report** – Review of actions as PAA President this past year: 1) the largest block of time was spent dealing with the unexpected medical emergency that caused Lori Wing to be absent through the winter, and eventually lead to her retirement in May. Barbara Harritty and Gail Fernald were hired on a part-time basis to cover administrative operations at the Maine office, which allowed the association to continue functioning in Lori's absence. 2) Acted on the recommendation of the Office/Association Services Committee to contract with Association Management Resources (AMR) beginning June 1 to provide administrative and financial services for PAA. 3) As part of this transition, worked with the Policies Manual and Bylaws Committees to further revise the proposed bylaws and try to develop a document that could be presented to the membership. 4) Worked to find a replacement for the Chair of the Site Selection Committee to replace Rich Novy, and started discussions with Samuel Essah to replace John Bamberg as Editor-in-Chief. 5) Renewed the Apex Web Studio contract for 3-years, and also signed the Springer contract that will run from 2018-2020. 6) Worked on a revision to the instructions to authors that clarifies status of European Association of Potato Research (EAPR) members, and also emphasizes and clarifies the responsibility of authors to pay page charges to PAA separate from charges they receive from Springer. 7) Worked with the Fargo Local Arrangements Committee (LAC) and Arysta Life Sciences to develop an Honorary Life Member (HLM) and Past-Presidents dinner, the first edition that took place on Monday night. *This report was submitted by Mike Thornton, President.*

**Treasurer Report** - Treasurer Larry Hiller reviewed the PAA FY 2016 operating budget vs. actuals and the PAA FY 2017 operating budget vs. actuals to date. Detailed information about the budget is to be posted on the "PAA Members Only" section of the PAA website at <http://potatoassociation.org/>.

**Administrator/Archivist Report** – Larry Hiller gave a short report of administrator/archivist activities. He noted that membership numbers for 2017 will be presented by Rich Novy in his Membership Committee report. He emphasized the importance of sorting through and maintaining important records as we transition administrative services to AMR.

Hiller noted that the PAA has one, fully-bound set of the American Potato Journal (APJ) that go back to 1925 (VII), and a set of all volumes of the American Journal of Potato Research (AJPR) issued to date. In addition, the PAA has volumes of the National Potato Annual Meetings (issued in the years prior to the APJ) that go back to 1913.

### **Standing Committee Reports:**

**Editorial Board Report** - The full current Editorial Board (EB) can be found on the PAA website. We propose no changes except a new editorial assistant will start summer 2017.

Springer provides PAA with an annual detailed status report for the AJPR which is posted on the PAA website. Here are highlights: In 2016, stats for the year were average in most respects. Editorial Board performance (2014, 2015, 2016) = Submitted (111, 132, 134), Accepted (64, 63, 69), Days to first response to author (71, 63, 55), Days to final accept decision (131, 127, 149), Reject rate (38%, 45%, 46%). Currently, 27 papers are in OnLine First print queue.

The selected Outstanding Paper for 2016 was by corresponding author Hielke “Henry” De Jong: “*Impact of the Potato on Society*” (p. 415-). Since this was an invited review, the EB wished to also recognized the second-ranked paper by Dennis Johnson, “*In-canopy Environment of Sprinkler Irrigated Potato Fields as a Factor for Late Blight Management in the Semiarid Environment of the Columbia Basin*” (p. 239-) as Best Research Paper. Plaques will be awarded to both authors at the banquet.

Three Invited Reviews were published: Halterman’s “*Biotech Potatoes*”, p. 1- (already has all time most downloads = 2,192), Buell’s “*Toolbox for Genomics*” p. 21-, and DeJong’s “*Impact of Potato on Society*” p. 415-. The 2014 symposium manuscript from Quebec, “*Bringing New Potato Products to Market*” was just submitted.

Journal success metrics in 2016: Full text downloads = 99,534 (up 21%). Five year impact factor (2015) = 1.206, but down in 2016 to 0.944. The EB gets prompt and efficient service from Springer personnel. We now have iThenticate anti-plagiarism software that we are using on every manuscript. We just published the 1001st issue of APJ/AJPR. *This report was submitted by John Bamberg, Editor-in-Chief.*

**Finance and Endowment Committee Report** - Bret Nedrow reviewed the finances and discussed strategies that have been outlined for managing the PAA’s investments. The proposed PAA budget for FY 2018, which was recommended by the committee and approved by the Executive Committee (EC), was reviewed. Detailed information about the PAA’s finances and

investments is to be posted on the “PAA Members Only” section of the PAA website at <http://potatoassociation.org/>.

**Nominating and Honorary Life Member Committee Reports** - The immediate Past President chairs the Nominations Committee and the Honorary Life Membership Committee. There were two nominees for Vice President: Kent McCue and Carl Rosen. The nominees for the two vacant 3-year Director positions were Ken Frost, Rebecca Jones, Roy Navarre and Helen Tai. An electronic ballot vote was conducted via Survey Monkey prior to the Annual Meeting and almost 40% of the membership voted. Helen Tai and Roy Navarre were elected as the new Directors to replace outgoing Directors Kent McCue and Susie Thompson. Kent McCue was elected as the new Vice President. According to the PAA bylaws, the President-elect assumes the position of President and the Vice President assumes the position of President-elect at the annual business meeting. Thus Shelley Jansky becomes PAA President and Rich Novy becomes President-elect.

Three nominations for HLM were submitted along with letters of support. This information was forwarded to the Honorary Life Membership committee members who voted that Jeff Suttle, Rob Davidson and Allan French were deserving of the HLM award which honors their contribution to potato science, and service to PAA and the potato industry. These winners were announced to the PAA members via email dated May 31, 2017. The HLM awards will be presented at the PAA Banquet July 26, 2017 in Fargo, North Dakota. *This report was submitted by Loretta Mikitzel, Past President.*

**Program Committee and Symposium Committee Reports** - Apex WebStudio continued to provide services for electronic abstract submission. According to Andy Robinson, about 76% of the PowerPoint presentations were uploaded using the PAA Apex Website prior to the meeting; last year only 50% were pre-loaded. The 2017 annual meeting program was prepared from 92 submitted abstracts including 5 symposium presentations, 1 presentation from the Global Outreach Committee Guest Speaker, 72 general session presentations, and 14 posters. There were 22 Frank L. Haynes Graduate Student Research Competition papers. There were 114 presentations last year (92 oral and 22 posters). In order to accommodate travel to and from a downtown Fargo location for the Symposium on Monday afternoon, many of the section meetings were scheduled for Monday morning (those that were usually held Monday evening). We believe this led to improved attendance at the Breeding and Genetics, Plant Protection, and Marketing and Utilization Section Meetings. These section meetings were followed by two concurrent paper sessions, and then the Symposium and Global Outreach Committee Guest Speaker presentations in the afternoon. Concurrent sessions continued on Tuesday and Wednesday mornings. The poster session took place on Tuesday afternoon.

The 2017 Symposium “Decision Support Tools and Technologies for Growers” was planned and organized by the Extension Production & Management Section. The following Symposia have been proposed and accepted for the next three years: 1) a 2018 Symposium “Impact of Quarantined Pests on the Potato Industry” is being planned and organized by the

Plant Protection and Certification Sections. 2) The Utilization and Marketing Section will organize a 2019 Symposium “Changes and Challenges in the Potato Marketing Sectors” to be led by Rebecca Jones and Tina Brandt. 3) The Breeding and Genetics and Plant Protection Sections will jointly organize a 2020 Symposium on “Diploid Breeding”. In addition, the Physiology Section is anticipated to propose a 2021 Symposium on the lifecycle of the potato tuber. *This report was submitted by Carrie Wohleb, Secretary.*

**Site Selection Committee Report** - The Site Selection Committee (SSC) met at noon on Monday, July 24, 2017. Committee members attending included Rich Novy (Chair), André Gagnon (2013 Quebec LAC), Mark Pavek (2014 Washington LAC), Leigh Morrow (2015 Maine LAC), Dave Douches (2016 Michigan LAC), Susie Thompson (2017 North Dakota LAC), Nora Olsen (2018 Idaho LAC), and Vikram Bisht (2019 Manitoba LAC). Additional attendees included Shelley Jansky and Jessica Rupp.

The meeting agenda and the 2016 Report to the EC were reviewed and approved. Jessica Rupp then presented information regarding Montana’s intent to host the 2020 annual meeting in Montana. Two locations in Montana were discussed for the annual meeting-- one being the Big Sky Resort and the other being Missoula. After discussion regarding the merits and limitations of both sites, consensus among the SSC was that Missoula would afford more opportunities for activities and amenities for PAA members than the Big Sky Resort. The meeting would be held at the Holiday Inn Downtown in Missoula which is 15 minutes from the Missoula airport. Downtown Missoula is picturesque with many restaurants and shops and a trail system along the three rivers that run through it. Missoula is located just over an hour from a seed potato growing area with a tour planned to this region. Leigh Morrow made a motion to accept the proposal for Montana to host the 2020 PAA annual meeting, with Missoula being the recommended site. Mark Pavek seconded the motion with the subsequent vote unanimous in that the SSC would recommend to the EC that Montana host the 2020 meeting.

Nora Olsen then gave an update on the 2018 meeting to be held in Boise, Idaho on July 22-26th with a similar format to that of the Fargo meeting. It will be held at the Grove Hotel in downtown Boise with the meeting to be held at the new Boise Center, with the President’s reception and the Banquet to be held at Simplot’s Jump Building (Jack’s Urban Meeting Place). Vikram Bisht then gave an update on the 2019 annual meeting to be held in Winnipeg, Manitoba on July 28th-August 2nd, 2019. Twelve members comprise the LAC in Manitoba, with the meeting to be held in the Delta Hotel in downtown Winnipeg. Possible activities were discussed including an event at the Winnipeg zoo.

The SSC committee then discussed the list of management services provide by Jennifer Dickie with AMR, a company whose services have recently been contracted by the PAA. Shelley Jansky was present to provide additional detail regarding proposed management services. The list seemed comprehensive with no additional services identified by previous LAC members as needing to be added, with those services including: 1) assist with site selection for future conferences; 2) contract negotiation on behalf of PAA with all vendors; 3) develop conference

timeline; 4) provide on-site staff; 5) manage food and beverage, meeting room assignments and AV requirements; 6) work with speakers on travel, AV and reimbursement; 7) budget development and financial management ( with regular reports provided); 8) pre and on-site registration processing (on-line program used to be reviewed and decided); 9) print meeting name badges; 10) coordinate live/silent auction – work with committee to solicit donations/handle donations; 11) participate, via conference call, in conference planning meetings; 12) work with LAC in design of meeting website and subsequent support; 13) provide layout of registration brochure, onsite program, name tags etc.; 14) work with local hosts on tour arrangements; 15) work with local hosts on social event arrangements.

Sites were then discussed for the 2021 annual meeting, with discussion centering on Beltsville, MD, Florida, Cornell University at Ithaca, NY, and Pennsylvania.

Susie Thompson will assume the role of SSC chair in 2018, replacing Rich Novy. *This report was submitted by Rich Novy, Chair.*

**Global Outreach Committee** - Hector Lozoya-Saldaña noted that other members of the committee are Rob Davidson, Samuel Essah, and Peter Vander Zaag. The Global Outreach Committee invited Tarun Gangwal with Simplot India Foods to be the Global Outreach Committee Invited Guest Speaker at the 2017 PAA Annual Meeting. The committee had also proposed inviting Sanwen Huang from China (declined due to meeting conflict), Ewa Zimnoch Guzowska from Poland (declined due to time conflict), Fenando Finger from Brazil, and Robert Graveland from The Netherlands. The Sections are invited to suggest potential guests for future conferences.

**Membership Committee Report** – Rich Novy reported that there are 504 PAA members: 61 Honorary Life Members, 353 (+5 pending) Individual Memberships, 54 (+3 pending) Student Memberships, and 28 (1 is complimentary) Sustaining Members. He sent letters of thanks to all of the renewing Sustaining Members. Letters were also sent to non-renewing Sustaining Members noting the benefits of membership; he noted a good response to those letters. Emails were sent to about 100 non-renewed Individual Members that were still on the membership rolls; many bounced and were deleted, and most others did not respond and were archived and removed from the rolls.

**Local Arrangements Advisory Committee Report** – Shelley Jansky noted that the North Dakota LAC was well-organized and self-sufficient and did not need any advice from the committee.

**Frank L. Haynes Graduate Student Competition Committee Report** - Twenty-two students entered the 2017 Frank L. Haynes Graduate Student Competition. These students came to Fargo from universities in the states of CO, ID, MN, MI, ND, NY, WA, and WI and from the province of New Brunswick. Members of the committee for 2017 were Paul Bethke (Chair), Nathan

Butler, Ken Frost, Dennis Halterman, Helen Tai and Jonathan Whitworth. The commitment of the committee members to the competition, as evidenced by their attendance at student presentations and careful critiques, is gratefully acknowledged. Students were evaluated using a consistent set of criteria that included clarity and completeness of the abstract, organization of the oral presentation, effective use of time and visuals, presentation style and potential impact of the research on the potato industry. The committee noted that many graduate student presentations were at the cutting edge of potato research and addressed significant concerns of the industry. Given the high quality of the presentations this year, the committee decided that it was appropriate to make five awards. The winners will be announced at the awards banquet. *This report was submitted by Paul Bethke, Chair.*

## **Section Meeting Reports:**

### ***Breeding and Genetics Section Minutes***

1. Chair: Joe Kuhl, Vice-Chair: Sagar Sathuvalli, and Secretary: Ek Han Tan, Attendance: 41. The meeting was called to order by Joe at 8:03 a.m. Attendees briefly introduced themselves to everyone in attendance.
2. Call for corrections to 2016 PAA Breeding & Genetics Meeting Minutes: No corrections were voiced. Motion to approve 2016 Minutes was voiced Rich Novy, seconded by Susie Thompson.
3. Additions to agenda: 1) Call for Senior Editor for Breeding/Genetics, by John Bamberg. 2) Announcements at the end, suggested by Jeff Endelman.
4. Updates –
  - a. SNP array v3 update (Dave Douches): Neogen, works with Illumina to create better chip, possibly with more than 22k SNPs. Current 22k SNPs based on SolCap + Dutch Array by combining good SNPs, removal of bad and overlapping SNPs. Also sorted to provide better sensitivity and reduce ascertainment bias. Possibility to add up to 15k additional SNPs to the chip. 95% success on new Neogen/Illumina chip. Pricing ~\$50/sample to run 22k chip.
  - b. New Genome Studio software (Illumina) for analysis was discussed by Joe Coombes, and has possibility to improve polyploid calls. Appears to be robust, and development of custom cluster call files in the works and will be shared.
  - c. Pricing was discussed. Current 22k chip is ~\$50/sample. Two chip options could be possible with 22k and 22k+addon of the 15k additional SNPs with two tiers of pricing, \$50 and \$57, respectively.
  - d. Diploid Breeding update (Shelley Jansky): Pursuing potato breeding as diploid cultivars and keep momentum moving forward. Combining efforts and strategies with maize breeders, and getting new self-compatible sources in different Solanum species.
  - e. Joint research projects and new methods to improve dihaploid extraction using flowering stems were discussed. Only select flowers at the perfect stage, stem collected, and

- brought to lab to be crossed. Performed on 400 flowering stems in one day to increase numbers. Success to be reported.
- f. Improving self-compatibility loci for diploid potato with other sources, such as Frank Haynes population were discussed. Recurrent selection for yields was discussed as a potential method for diploid breeding goals.
  - g. Potential for diploid potato breeding as part of “Science breakthroughs 2030” effort by USDA NIFA – novel scientific approaches for agriculture.
5. Symposium topic for PAA 2019/2020 - Goal is to combine potential topics with invitation to international speakers for the PAA Symposium in 2019 or 2020. Some suggested topics: Diploid breeding Symposium (2020 target), Tetraploid potato haplotyping, Virus (PVY, PVX, PLRV etc.) topics for potato breeding/pathology. Symposium speaker suggestion (from Dave Douches) is Dr. Mark Gallant at CIP Kenya as speaker who is working on 3 R-gene stacking for potato in Africa. Additional names for speakers requested from members, to be sent to Joe.
6. Senior Editors/Reviewers for AJPR (John Bamberg) - Senior Editors – Breeding/Genetics recommendation for this position is required. Provide rundown of the review process.
7. Announcements –
- a. Joe Kuhl: Forum on GMO crops at University of Idaho, September 18, 2017. Speaker panel from academia and industry from various crops with genetic modification, including potato (Simplot).
  - b. Jeff Endelman: Constructing de novo reference genomes with tetraploid potato for haplotyping. Lunch meeting suggested to discuss this further with NR gene representative: for potato “pan-genomes” using 10x technologies and potential for marker discoveries.
  - c. Dave Douches: Food Evolution documentary showings. Discussion on expanding this documentary to different programs.
  - d. EAPR Genetics Section meeting will be the first week of Dec 2018, in Rostock, Germany.
8. Officers - Electing new secretary – Jeff Endelman nominates Laura Shannon, seconded by Susie Thompson. Laura Shannon consented. Motion to close nominations and for voice vote by Susie Thompson, seconded by Shelley Jansky. Voice vote take by Joe: All Ayes, no Nays.

Meeting closed by Joe at 9:16 A.M.

*The Breeding and Genetics Section minutes were submitted by Ek Han Tan and Joe Kuhl.*

### **Certification Section Minutes**

This is the Certification Section Report from Nov. 30, 2016, Arlington, VA. Certification officials from Canada and all certifying states attended. There was also representation from USDA-APHIS.

On-going presentations followed by discussion -

- Potato Cyst Nematode (PCN): reports from Canada and U.S., Gordon Henry (CFIA) and Jonathan Jones (USDA-APHIS).
- Potato Wart: report from Canada, Gordon Henry (CFIA).
- United Nations Economic Commission for Europe (UNECE) Specialized Section on Standardization of Seed Potatoes: representatives from U.S. and Canada attend. Report by U.S. rep, Nina Zidak (MT).
- Necrotic Virus Management plan: Terry Bourgoin, (USDA-APHIS).
- North American Plant Protection Organization: Gordon Henry (CFIA) and Rick Zinc (USDA-APHIS).
- ARS Necrotic Virus Research: Amy Charkowski (CO).
- Dikeya Research: Gerry Sadler (Scottish Agricultural Science Agency SASA) and Amy Charkowski (CO).
- PAA Meeting: Pam Hutchinson (ID) and Kent Sather (ND).

Reports and Annual Update of Documents –

- Treasurer Report
- Agency reports and updates
- Acreage report summary
- Agency contact list
- General Agency Survey
- Regulations Summary
- North American Health Certificate
- Post-Harvest Survey
- Latent Virus Cultivar List
- Limited Generation Table

Elections – Chair: Mia Kirk (AK); Vice-Chair: Eric Hitchcock (ME); 1<sup>st</sup> Year Director: Andrew Houser (CO); 2<sup>nd</sup> Year Director: Gordon Henry (CFIA).

*The Certification Section minutes were submitted by Kent Sather.*

### ***Extension, Production and Management Section Minutes***

25 July, 2017 (6:30 – 8:30 am)

1. **Introductions.** 20 in attendance.
2. **Approval of minutes from 2016.** Motion to approve, seconded and carried.

3. **Announcements from members of the committee.**
  - a. Next year's PAA meeting will be in Boise, Idaho
  - b. There will be a Dickeya summit in Bangor, Maine on November 9, 2017 (contact is Steve Johnson)
4. **Symposium sponsored by our Section for the 2017 Annual Meeting.** Good feedback, all the presentations were good and well received. Thanks to Carl Rosen for organization and moderating. The location was great.
5. **Symposium ideas for future meetings.** The Utilization and Marketing section is looking to propose for 2019 or 2020. Maybe a possibility for co-sponsoring.
6. **Develop a list of reviewers, grouped by discipline, for submissions to the AJPR.** The idea is to speed up the review process since there are often many that decline to review. It was decided to wait and see what the Editorial Board and the EC want to do.
7. **Senior Editor for this section.** Samuel Essah will soon be replacing John Bamberg as Editor-in-Chief, so we need to find a new Senior Editor (could be co-Senior Editors). We will announce it in the October newsletter and send an email to all Section members asking for volunteers.
8. **Recommendations for invited international speakers.** These could be part of a symposium and also present to our section. Nora Olsen suggested Fernando Finger, who works on post-harvest storage in Brazil. Mike Thornton suggested Mamhet Caliskan, who does breeding work in Turkey.

## 9. Area Reports

**Prince Edward Island** (Steve Watts): Acres are steady at 90,000, mostly processing for fries and chips. Lots of rain and cool weather through May delayed planting until mid-June in some areas. Very dry first 2 weeks of July but some rain recently has made for a good crop, expecting good yield and quality as long as timely rain continues. There are no major disease issues, use of mineral oil has helped growers better manage PVY.

**New Brunswick** (Loretta Mikitzel): There was good snow cover all winter and no frost in the ground which allowed for timely planting but resulted in many volunteers in the rotation crops. The crop is progressing well, rows are filled and there is good tuber set. Spore traps have detected *P. infestans* but there have been no confirmed disease detections to date. Early blight has been present for the past 3 weeks, which is much earlier than normal. The McCain expansion has added 4,000 acres and will be running this fall.

**Maine** (Steve Johnson): Very similar to NB, cool and dark season to date, not much rain lately. Volunteers are a problem, the processor does not pay for under 2 inches, so the growers set their chains to that size and with the early snow and no ground freeze it creates volunteer problems. CPB takes care of some volunteers, bigger concern is for PVY. No Late

Blight reported yet, Dickeya started showing up 3 weeks ago. Should be better than average yield as long as we get rain soon.

**Quebec** (André Gagnon): Very late spring, some areas had the latest planting ever. The province can be divided in two with the area west of Quebec City receiving too much rain and the area to the east being very dry. It is looking like a good average crop.

**Pennsylvania** (Robert Leiby): Crop looks good, adequate rainfall, concern for heat issues, growers optimistic. There are more volunteers from the 2015 potato fields than from last year. No Late Blight detected yet, some in western New York. Some bad seedlots with Dickeya.

**Wisconsin** (Jed Colguhoun, Keith Kelling): In the past 2 weeks, one half of the annual rain total has fallen (17 inches). Crop is looking good, the red and little potato harvest has started and the yield and quality is excellent and prices are good. A lot of emergence issues, rhizoctonia and seed issues from herbicide carryover (tank contamination). Acres are steady. Nitrogen leaching due to the excessive rain led to a lot of re-application. Recent Legislative changes has eased restrictions on high capacity wells giving the potential for more irrigated acres in the future.

**Minnesota** (Carl Rosen): Similar to Wisconsin, not as much rain. Early planting but the crop sat in cold conditions for a long time, especially the reds. Early harvest has begun, the process crop looks good. No major disease issues, early blight just starting. Slightly down on acres.

**North Dakota** (Andy Robinson, Susie Thompson): Acres are down by 2000, mostly reds. Overall, the crop is doing well and had a good start. Late Blight has been identified in seed but not in the crop. CPB issues, related to mild winter and resistance. Lots of aphids caught in traps, increase in small grain acres with combining starting soon. Quality looks good, some drought issues further west but these are irrigated areas. Seed area needs rain to finish the crop. Some volunteers seen (rare for ND) and some herbicide issues – glyphosate tank contamination.

**Manitoba** (Vikram Bisht): 53,000 acres planted around the third week of April. Rainfall has been only 70% of normal, but most of the crop is irrigated. Soybean acres are up, concern for Dicamba issues. Late Blight is not an issue yet, early blight and CPB is starting to appear. Aphid counts are much higher than last year.

**Colorado** (Samuel Essah): Good snow pack, some planted very early and there was concern that it was too early but the crop is looking good. Anticipation is for a good harvest with not a lot of disease issues.

**Idaho** (Nora Olsen, Mike Thornton): Acres down a bit, now at 310,000. Great snow year, cooler and wetter spring delayed planting in most areas by one week but in some areas it was delayed 2 weeks and some rotation crops never got planted where the ground was under water until June along the river. Good growing weather, not too hot yet. Psyllids are up from last year, a few positives found but no zebra chip detected in fields yet. Quiet year, some PVY in commercial fields, concern with blackleg seed issues in new varieties.

**Washington – Oregon** (Carrie Wohleb, Ken Frost): Earliest crops in the Columbia Basin are usually planted in late February, some delay this year due to cold and more moisture in the spring than usual. Crop now looks good and heat units are back to normal. Psyllid monitoring results are different than in Idaho – very low positives found (0.25%) but does not correlate with field findings – hard to make recommendations to growers and difficult to assess risk posed by psyllids (i.e. currently there is zero tolerance). Aphids are up from last year. Late Blight (US8) is the worst it has been in a while, suspect volunteers to blame. Some blackleg issues, suspect Dickeya is present but not yet confirmed. Wet, cool spring in Oregon, some herbicide injury and delayed emergence. Since mid-June it has been hot and sunny.

**10. Potato Expo Update.** The poster session went very well and was well attended, important to have the posters geared for the grower audience. Trade show traffic was down, the EC may decide not to send a booth for 2018, due to the high cost and instead prepare a general PAA recruitment poster and add it to the poster session.

**11. Nomination and election of officers.**

Vice-Chair (Robert Gareau) moves into the Chair position

Secretary (Noah Rosenzweig) move into the Vice-Chair position

Yi Wang was nominated and elected for Secretary (moved, seconded and carried)

**12. Outstanding Extension Project Award.** It was suggested that we actively find and pursue a worthy project to nominate since there have been no awards for the past two years.

**13. Motion to adjourn** (moved, seconded and carried).

*The Extension, Production and Management Section minutes were submitted by Ken Frost and Robert Gareau.*

***Physiology Section Minutes***

Present: Chairman Sastry Jayanty, John Piere, Sanjay Gupta, Helen Tai, Yi Wang, Amber Gotch, Susie Thompson, Carl Rosen, Darrin Haagenon, Graham Ellis, Cody Dean, Paul Bethke, Lorretta Mikitzel, Nora Olsen, Andy Robinson, Mary Jo Frazier, Rick Knowles

Chairman called the meeting to order at 6:48am.

Everybody introduced themselves first.

The minutes from last year's section meeting was approved, first by Paul, Second by Susie.

Discussion about the timing of the physiology meeting, hard to schedule the meeting without conflicting with the other meetings, Nora said she is happy to hear about other advice on the meeting time next year held in Boise.

Rick was mentioning about how to get credits from the presentation for the physiology meeting, include the abstract into the program will be a good way to give the credits to the presenters. Rick suggested that to send out an invitation as early as possible after today's meeting to the rest of the society for presentations in the next year.

Sastry mentioned that shatter bruise, wound healing, secondary dormancy, respiration as the topics. Paul will work on a general topic for next year's section meeting, a presentation for 30 minutes.

There was discussion about submitting a symposium proposal for the year 2020 (potentially be held at Montana), with general topics on dormancy, new sprout inhibitors, potato tuber development during the growing season and postharvest. Paul will be chair of the organization committee, and other committee members will be Amber Gotch, Susie Thompson, Graham Ellis. The topic will be lifecycle of the potato tubers.

Inviting international guest speakers to give speeches at the symposium or at the PAA meeting, guests from China, India, or Poland will be good considerations.

AJPR is seeking for more reviewers, so any volunteers will be welcome.

Amber Gotch was selected as the secretary for next year, Graham Ellis (graduate student from WSU) will be the director.

Meeting adjourned at 7:24am.

*The Physiology Section minutes were submitted by Yi Wang and Sastry Jayanty.*

### ***Plant Protection Section Minutes***

24 July, 2017 (8:00 – 10:00 am)

1. **Introductions.** There were 33 attendees that signed in. (Not all signed in. There were an estimated 50 or more in attendance at any given time – standing room only throughout much of the meeting)
2. **Approve the 2016 minutes.** Minutes from 2016 were not approved. Several section members suggested to ask for clarification from the submitter of the 2016 report/minutes (i.e. to determine if there was a vice-chair).
3. **Announcements**
  - a. There will be a Dickeya summit will be held in Maine, November 9 2017 – save the date; contact Steve Johnson with questions. Link: <https://extension.umaine.edu/agriculture/programs-by-topic/dickeya-and-pectobacterium-summit/>
  - b. Rob Davidson stated that there is about \$1700 available in the Plant Protection Section account – this section collected dues in the past and this is what remains. It was suggested

at the 2016 meeting to use these funds to supplement travel costs for invited speakers for the 2018 Symposium sponsored by our section.

4. **Symposium 2018.** The 2018 PAA meeting will be held in Boise, July 22 through July 26. A couple years ago the Plant Protection and Certification Sections were asked to co-host a symposium for the 2018 meeting, and the topic that was settled on was impact of quarantine pests on potato production. Pam Hutchinson who is organizing the symposium updated the group with information current as of Monday morning, 7/23/17. Pam described the following speaker lineup and agenda:

#### IMPACT OF QUARANTINED PESTS ON POTATO PRODUCTION

This symposium will include a mixture of speakers with expertise in the areas of pest management and seed certification. The goal is to start with information on overall quarantine process/regulations, then hear from an international perspective, to U.S. potato pests and U.S./ Canada seed potatoes, and finally to a specific Idaho/local perspective on the quarantined potato pest – Pale Cyst Nematode.

8-8:15a possibly continental breakfast type offerings

8:15a Brief symposium introduction from myself

8:30-9a Jonathan Jones (confirmed), USDA PM\*PHP\*PPQ\*APHIS to give us an overview of plant pest quarantines then some recent examples (and why or why not they were quarantine pests). He would also possibly provide an overview of process we must follow to regulate a foreign pest and the same for domestic pests, the roles of the states and Feds.

9-9:30a Jackie van der Wall (confirmed), who leads the Potato Pathology Programme for South Africa at the University of Pretoria, and is basically the main potato pathologist for South Africa. She will be discussing quarantined potato pests impact on production and seed certification - South Africa and international.

9:30-10a Ron French, (invited, not yet confirmed), APHIS-PPQ, Plant Germplasm Quarantine Programs in Canada and the U.S. – seed potato issues.

10-10:30a Break

10:30-11a Terry Bourgoin (invited, not yet confirmed), State Plant Health Inspector, Maine about his U.S. quarantine potato pests experiences.

11-11:30a Three-way split of the time slot w/an Idaho grower, Bryan Searle (confirmed) UI researcher (myself or Louise-Marie Dandurand), and Pat Kole, Idaho Potato Commission (confirmed) to tell us what happened in Idaho w/ the Pale Cyst Nematode infestation and how the agencies and entities came together to address the situation - a model for other quarantined pests dealings.

11:30a-12p Question-answer panel with all the speakers. We could instead have a 6th presentation to tie it all together somehow.

Currently, the symposium will run 8-noon; and all speakers listed in agenda have accepted.

Pam will try to determine the amount of funds needed for the symposium speakers. The plant protection section does have around \$1700 available and PAA also have some funds earmarked for the symposium, up to \$3000 to help with travel funds.

It was suggested by Rob Davidson that having a description of the events that occur following the detection of a quarantine pest is something that could be addressed at the

symposium; what is the process, etc, and it may be worthwhile to have this information presented. Jonathan Whitworth commented that a formalized flow or response may not be feasible – each situation may require a different response – but perhaps Pat Kole could speak about what happened in Idaho, the “chaos” that ensued until other countries understood how the problem was being handled. Terry Bourgoignie could also address this issue with respect to Potato mop-top virus. Pam invited additional comments to be sent to her email.

5. **Symposium proposals for 2019 and 2020 Annual Meeting thoughts/suggestions.**

- a. **SOIL HEALTH:** There is interest in alternative pest control methods and products in soil, building suppressive soil, soil health in general. Possible co-sponsors include Breeding & Genetics
- b. **DIPLOID BREEDING:** There has been great interest in diploid breeding and developing a true seed potato. A symposium that describes the concerns, challenges, etc may be of interest. Seed Certification and Breeding & Genetics may be good co-sponsors. Moving to diploid breeding and possible true seed potato eliminates some phytosanitary issues, but likely creates others.
- c. **CLIMATE CHANGE – IMPACT ON POTATO PEST PROBLEMS:** There is interest about how climate change may impact pest issues. It was suggested that if 4-5 talks could be put together on these topics, touching on all subjects, it could be a nice approach for concurrent sections.
- d. **USE OF REMOTE SENSING FOR MANAGING PESTS AND DISEASE:** A symposium that describes how remote sensing is currently being used managing pests and disease (i.e. how growers are using the technology that is currently available). It would be good to hear direct experiences from growers using the tools.

Symposium organization: Neil Gudmestad suggested Shelly Jansky may be a good contact for developing the diploid breeding topic, as well as Rich Novy and/or Jonathan Whitworth. There are researchers at UMN working on Soil Health (e.g., Linda Kinkel). Vikram Bisht suggested there are also teams at University of New Brunswick and Univ. of Manitoba (e.g., Dr. Tenuta) working in this area.

Pam Hutchinson described the timeline for requesting a symposium - requests are made two years in advance and a list of speakers and topics needs to be pretty well defined at the meeting one year before symposium is to happen. Since the Plant Protection Section is sponsoring a symposium in 2018, our section should be thinking to sponsor or co-sponsor in 2020 or beyond. A follow up email may be sent to solicit feedback for potential speakers for the symposium ideas.

6. **Develop a list of reviewers, grouped by discipline** – no deadline. Discussion revolved around how to best generate this list and the purpose of having a list of reviewers. Neil Gudmestad suggested that we follow the model adopted by other journals that have editorial boards consisting of editor-in-chief/senior/associate editors. Non-tenured faculty can get credit for service on an editorial board. Also, a member of an editorial board would have the responsibility to edit and would not be able to say ‘no’. This might be a good time to propose this model, when there is the transition of editor in chief. The comment was made that if you

are in the Plant Protection Section, you should be a reviewer. Please participate and say 'yes' to the request to review.

7. **Develop a list of international speakers for potential invited speakers.** There was general discussion about how to developing this list. It was suggested to solicit feedback and names via email for the section. Monica Parker is with the International Potato Center (CIP) in Nairobi Kenya and suggested CIP wants to have more interaction with PAA. She suggested PAA could engage with Monica and/or she can also help to identify international speakers. She added that the upcoming quarantine symposium is particularly relevant.

8. **Area reports**

**New Brunswick** (Joe Brennan). There was a late start, but crop is looking good, it caught up. Localized hail but not overly problematic; could use water; acreage has remained flat (1-2% increase within past couple of years), no major disease issues, no late blight to speak of.

**PEI** (Ryan Barrett). Slower start than New Brunswick. Less than 0.5" rain 19 June through 19 July, but had 1.5" last weekend. Most potatoes are dry land, but things coming along, looking pretty good. Early reports from certification, virus levels look low, no late blight, but a little early blight because of dry weather. They have been seeing earlier activity of wire worm in PEI – typically they have observed emergence until maybe September. Brown mustard and buckwheat are starting to be grown to help combat the wireworm.

**Maine** (Steve Johnson). Dry, only 1.5" of rain in July. Still, the crop looking good. No late blight yet but expecting it soon. Scattered issues with Dickeya and some issues with PVY. Acreage expected to stay flat, +/- 1%. Hoping for rain.

**Pennsylvania** (Bob Leibey) Moisture pretty good but cooler than last year. A few days over 90 F, versus last year with way too many. Pectobacterium and Dickey soft rot/blackleg from 0 to 0.5% in Dark Red Norland. Rebas and Norlands up to 20% infection with blackleg type symptoms. Colorado potato beetle may be acting differently than in the past – hot spots in fields rather than edges, may indicate neo-neonicotinoid resistance and/or behavior changes. Emergence is spread out, some later season adults have more grey backs rather than the bright colors - suspecting overwintering adults. Thrips issues here and there. Growers are optimistic.

**Wisconsin** (Neil Gudmestad) It has been really wet and there have been some stand issues.

**Minnesota/North Dakota** (Neil Gudmestad) Crop is later than usual. More rain than we'd like but no LB that we know of. Early blight just starting. Psyllids have been confirmed in western and central ND. John Nordgaard says Dickeya not yet found in MN or ND, but they have been testing. Gary Secor noted that they have been testing for blackleg and soft rot along with Carol Ishamuru. So far they have found only Pectobacterium in MN and ND samples. Dickeya has not been detected yet. Checked seed lots from other places, haven't found much Dickeya west of Mississippi. Canadian provinces (western) have all been Pectobacterium. Dickeya and Pectobacterium seem to be more important in east, while Pectobacterium is important in the west. P. wasabai now seems to be more important in Europe than Dickeya. Species shift in their abundance/importance a lot.

**Missouri** (John Nordgaard) Generally, a good year in Missouri, nothing unusual, a little bit of Dickeya. Some unusual things there but rare. In general, problem-free.

**Manitoba** (Vikram Bisht) Planting third week of April and went well. No LB yet. A few ranger fields seeing early blight and some processing seeing internal necrosis. PVY very low but black leg symptoms are showing up and will be checked for Pectobacterium/Dickeya. Tracy Shinnars-Carnelley noted that Colorado potato beetle, pressure and duration of control is

different, know of some neonicotinoid resistance and have noted some behavior changes (e.g., CPB used to have distinct life stages, now all are present). Canadian government on pesticides has proposed cancelling all usage of imidacloprid and special review of others insecticides. Final decision on imidacloprid is expected by end of this year, and outlook not good. Similarly, synthetic pyrethroids have been under review and outlook is not favorable, there is lots of concern of what future holds regarding insecticide tools.

**Colorado** (Robert Davidson) The crop looks good, caught up on growth, no major issues yet, blackleg low, PVY down, growers positive.

**Texas** (Julien Levy) Growers seem happy. John Nordgaard commented, started incredibly warm, soil temperatures were 4 degrees higher than any other year. Good sets. High soil temperatures lead to extremely high psyllid pops, not real bad Lso but it's around. Toughest year for southern root-knot nematode, and due to restrictions on products lost some acres. No early or late blight. Generally, pretty good crop production in South Texas and similar in other area of Texas. Neil commented that high plains during dry years psyllids are low, but there were 4000 acres that suffered hail damage.

**Idaho** (Kasia Duellman and Drew Glasgow) Wet winter, hot spell in Twin Falls and Magic Valley area, but crop still looking good and using a lot of moisture. Psyllid numbers seem to be down, a couple of hot psyllids (3.5% range). Drew Glasgow: normally in western (Boise) area, catch a lot of psyllids but not this year. Crop is coming along nicely but a little behind on size. Pam added that a roundup resistant kochia population was found in SW Idaho a couple years ago. Many roundup ready crops are used and it was not noticed until roundup ready sugarbeet was planted. They are looking for other roundup resistant weed populations in Idaho. They are also looking for metribuzin resistant red root pigweed and hairy night shade. Hairy night shade is an alternative host for psyllid and PVY. Alex commented on the observed shift in PVY strain composition over past few years. The most abundant PVY strain is N-Wilga and represents ~80% of total positives. NTN, O and other recombinants comprise the rest of the strains.

**Washington** (Carrie Wohleb) Cooler spring in basin, first calls were crops that looked yellow but not positive for PVY. It was likely sencor/metribuzin damage, plants having a hard time metabolizing herbicide. Insect pests have been completely different than last year and they are having a hard time finding psyllids. Not as many over-wintering plants were seen, and this may be impacting psyllid populations. Thus, outlook for ZC looks good for this year. Aphid are abundant, more than ever seen before. Did see some Colorado potato beetle, not necessarily due to resistance but some growers scaling back on neonicotinoids at planting. Late blight rampant, probably due to cloudy cooler weather early season weather – possible volunteer potatoes. The clonal lineage is US8 which is resistant to mefenoxam (i.e., Ridomil). Purple top symptoms have not been common and some purpling she saw was attributed to water logged areas (i.e. too much water).

**Oregon** (Ken Frost) Just starting to see upper leaf curling, similar to the symptoms caused by phytoplasma (i.e. BLTVA). Cool spring compared to last couple of years but average when compared to long-term temperature data. By mid-june, sunny and hot. Late blight in Pasco area, black leg, not convinced Mississippi river is boundary for Dickeya. Lamoka, Waneta, picked up some black leg, along with ivory russet. Still determining soft rot species. There were purple top/early dying symptoms across the Columbia basin last year, waiting to see if it happens again this year. First observed in Umatilla Russet and Ranger Russet. Still not a good handle on the cause of the symptoms yet, some think it is physiological. Chris Hiles commented that if phosphorus was kept up, no issues – may be related to early season fertility management issues.

Last year there was fast growth and early row closure last year, growers might not have been able to keep up.

**North Florida** (John Nordgaard) Soil temperatures were warm, fast start, fast sets. Early crop had freeze at flowering. This has always been worst Dickeya area, so brought seed from ND and WI. So far have no Dickeya on the farms this year. Dickeya numbers down in general, but still there. No LB in that area and late season rains made it tough on harvest especially in the Hastings area.

**North Carolina** (John Nordgaard) Good crop, but got 20 inches of rain since started harvest which poses challenges. Some Dickeya present but nothing like seen in previous years. They have been working on their Dickeya management program, so every seed lot used had been tested, back three years.

**Maryland** (Jeremy) Colorado potato beetle populations low, no late blight, early blight just starting. Pretty quiet in general. Crop came out quick, so physiologically old, but not chronologically old.

9. **Nomination and election of officers for 2018.** Progression is, vice chair to chair, secretary to vice chair, and a new secretary is elected. There were no volunteers for secretary and nominations were requested. Chris Hiles nominated Drew Glasgow and Drew Glasgow was elected as secretary. Since the section did not know who the sitting vice-chair was, Neil Gudmestad nominated Ken Frost to remain as Chair for 2018-18. Robert Davidson seconded and motion carried. Kasia Duellman (Kinzer) will move to Vice-Chair.

10. **Adjourn.** Thanks to everyone for attending and participating in the section. Look forward to seeing everyone at the 2018 PAA meeting in Boise. Moved to adjourn the meeting at approximately 9:30 am, seconded, and carried.

*The Plant Protection Section minutes were submitted by Ken Frost and Kasia Duellman.*

### **Utilization and Marketing Section Minutes**

Bret Nedrow opened meeting with a greeting and officially calling the meeting to order @ 8:10 AM Monday July 24th at the Fargo Meeting Holiday Inn Hotel Conference Center.

- Acknowledged that it was the 101st meeting.

#### **Old Business**

- Bret extended apologies that minutes were not sent
- Nedrow verbally recites meeting notes from 2016. Mike Thornton made a motion to approve minutes, Nora 2nded motion, unanimously approved.
- Bret Nedrow stated who was in the current positions; Bret Nedrow – President, Rebecca Jones – Vice President, Gina Greenway - Director, Addie Waxman - Secretary

#### **New Business**

- Bret asked membership for new business
- Mike Thornton brought up the symposium proposal for 2019 and 2020. Bret agreed that we needed to discuss this immediately. Executive board has the symposium lined up for

2018, Boise. No symposium on line for 2019 in Winnipeg or for 2020, which is possibly in Montana. Asked for suggestions.

- Nora said that makes sense for Utilization Committee to take 2019 in Winnipeg. Nora points out that processors are in the area. Loretta points out that a theme/topics is needed first. Gareau suggested creating a committee.
  - 1) Mike Thornton mentioned a talk about nutritional aspect of potatoes. Seems like there is a tie in with Utilization and Marketing. Possible connection theme.
  - 2) Tarun Gangwal mentioned a more global view of the potato.
  - 3) Leigh Morrow mentioned having someone from each sector provide the latest in their technology, including packaging and other market sectors, new cuts, new products, new varieties introduced, especially frozen processing.
  - 4) Tina Brandt - Look at approved varieties from around the world. Changes in varieties in the different sectors.
  - 5) Loretta Mikitzel suggested flavor development after Tina mentioned the many flavors of Lays potato chips.
  - 6) Bret Nedrow - Sensory attributes, the science of how something tastes
  - 7) Ed Lulai - Low glycemic potatoes, also called resistant starch by Jeanne Debons, to advance the potatoes in the consumers' eye. Consumers should understand the benefit of low glycemic index potatoes.
  - 8) Jeanne Debons - marketing trends in EU and UK for processing and fresh potatoes.
  - 9) Addie Waxman – Potatoes and youth, Millennials and cooking less, how to get potatoes into their world
- Leigh proposed the following title for our symposium; “Changes and challenges in the potato marketing sectors” – A title which encompasses all of these themes
- Nine topics already proposed
- Asked for someone to chair the symposium – Tina Brandt (JRS) and Rebecca Jones (JRS) volunteered
- By consensus, will present to the executive board on Tuesday to present the symposium in 2019 in Winnipeg,
- Need to narrow down to 2 or 3 topics before presenting to Ex Board, have about 4 speakers, able to integrate several of the proposed topics.

2017 Speaker:

TOPIC: “Potato Processing Industry in India” – Simplot, India, by Tarun Gangwal

New Business Continued

- Next order of business is for the 2018 officers
- Bret opened floor for nominations
- Jeanne Debons nominated Tina Brandt for position and Nora Olsen 2nd it, but for what position? Mike Thornton questioned which position.
- Bret Nedrow reopened floor for Chair position, Nora questioned what protocol on upward movement of officers was.
- Mike Thornton moves that we move up VP to Chair and Secretary to VP, Leigh Morrow 2nded, all in favor, unanimously approved.

- Bylaws looked up and clarified – Officers are Chair, Vice Chair, 2nd Vice Chair, and Secretary. Loretta Mikitzel found the actual by-laws which were different than what was approved. Director can be approved as 2nd Vice Chair, Mike Thornton seconded, unanimously approved.
- Gina Greenway has a 2 year directorship and she has another year of office
- New Officers for 2018
  - Chair – Rebecca Jones
  - Vice Chair – Gina Greenway
  - 2nd Vice Chair – Addie Waxman
  - Secretary – Tina Brandt

Bret Nedrow calls for adjournment, Gina Greenway moves, Nora Olsen 2nd, unanimously approved. Meeting adjourned @ 9:30 AM.

*The Utilization and Marketing Section minutes were submitted by Bret Nedrow and Addie Waxman.*

#### **Ad hoc Committee Reports:**

**North Dakota LAC 2018** – Andy Robinson, Gary Secor, and Susie Thompson were co-chairs for the meeting. Robinson noted that there were about fifteen people who served on the 2017 LAC from North Dakota State University, University of Minnesota, and cooperating growers and industry. There were about 240 participants from 13 countries, 25 states, and 6 provinces. There were 44 sponsors (13 silver, 15 gold, 10 platinum, 4 diamond, and 2 double diamond level sponsors).

**Idaho LAC 2018** - Nora Olsen and Bret Nedrow are co-chairs for the 2018 LAC and the PAA Annual Meeting will be held in downtown Boise, ID July 22-26, 2018. They hired the University of Idaho Conference Services to help organize and run the meeting, sign all contracts, provide budget input and handle finances. The primary hotel for the meeting will be The Grove in downtown Boise and the meeting will be held at the Boise Centre. The President's Reception (Sunday evening) and Banquet (Wednesday evening) will be held at Jack's Urban Meeting Place. They are also planning a Basque Block Party for Tuesday evening. Mike Thornton, George Newberry and Rich Novy are planning the tours and accompanying person's activity. Activities may include whitewater rafting, mountain biking, agriculture tour, and other outdoor related activities. There will be a graduate student networking activity and a Past Presidents and HLM dinner. LAC committees are established and progressing towards a successful meeting. *This report was submitted by Nora Olsen and Bret Nedrow.*

**Policies and Procedures Manual/Bylaws Committee** – Mike Thornton summarized some of the major changes that have been proposed for the new bylaws, including a streamlining of committees and no President-elect position. The committee has continued to make some

revisions to the new bylaws. A mentoring business reviewed the new bylaws and suggested that the committee consult with the current Administrator, Secretary, and Treasurer to figure out exactly how their roles will work. They also suggested pulling out some of the details in the new bylaws that would be better categorized in a document for standing rules; this reduces the length of the bylaws from 46 pages to 12 pages. The committee has also been working on a transitioning plan for going from the current bylaws to new bylaws once they are accepted by the membership.

**Office/Association Services Committee** - Shelley Jansky displayed a timeline that summarized how the committee arrived at their recommendation to hire the services of AMR. In 2015, the Executive Committee (EC) discussed the need to plan for the time when Larry Hiller, PAA Treasurer, and Lori Wing, PAA Administrator, would retire. An ad hoc committee was formed to do transition planning and they started exploring options. In 2016, the committee decided to look into administrative service providers; several were suggested by members including AMR, which was recommended by Mike Wenkel. They also looked into partnering with other potato associations. After deliberation, the committee decided it would be best to go with a firm that could service all aspects of the association. Bids were received from ACSESS (Alliance of Crop, Soil, and Environmental Science Societies), FASEB (Federation of American Societies for Experimental Biology), and AMR. In October 2016, the committee recommended that the EC pursue a contract with AMR because their services were more cost-effective than the other companies that bid, they put a lot of effort into understanding the PAA before they put in their bid, and they had excellent references. Following the retirement of Lori Wing in May 2017, the EC made the decision to hire AMR to provide administrative and financial services to the PAA.

Jennifer Dickey, Vice President of Events at AMR, introduced herself and AMR. AMR will be hiring a dedicated administrative assistant for the PAA, who will be the point of contact for all PAA inquiries. AMR will be working with the Wild Apricot system to keep membership records up to date and send out renewal notices. They have started working with Larry Hiller to start taking care of accounts payable and accounts receivable, and in the future will help to collect records that will be handed over to the CPA for audits and taxes. They are also ready to start updating the PAA Website. Dickey noted that the PAA phone is now ringing at the AMR offices in Ann Arbor, MI. She also noted that AMR is able to assist future LACs with meeting management (hotel negotiations, contracts, timelines, registration, communication with sponsors, etc.), so the LACs can focus on meeting content. The Idaho LAC 2018 and Manitoba LAC 2019 already have event planners in place, but AMR will likely be working with the Montana LAC 2020.

President Thornton noted that EC will be reviewing the proposed 2018 contract with ARM in October 2017. The plan is to review and sign administrative services contracts for one year at a time as we work through this relationship.

**Executive Committee Actions - Review and Ratification:** *(As per Constitution Article V, Section 4: All actions of the Executive Committee or officers are subject to approval by The Association at the next Annual Business Meeting.)*

Actions taken during the EC Meetings since the 2016 Annual Business Meeting of the PAA in Grand Rapids, MI and up to the July 2017 EC Meeting in Fargo, ND were as follows:

- a) Continued to use the PAA EC listserv hosted by Washington State University.
- b) Endorsed a sponsored HLM and Past President's Dinner at the Fargo meeting.
- c) Appointed Larry Hiller to another 2-year term as Treasurer.
- d) Sent Lori Wing a bouquet of flowers on behalf of the PAA.
- e) Did not count the four days at the end of December 2016 as annual or sick leave for Lori Wing.
- f) Offered Barbara Harrity employment in the PAA office to act as temporary Administrator beginning January 9, 2017.
- g) Gave Barbara Harrity access to Wild Apricot for membership purposes.
- h) Offered Gail Fernald employment in the PAA office to provide assistance during the transition to AMR from late April to the end of 2017, or as needed.
- i) Accepted the 2016 payouts for earnings from the General and Frank L. Haynes endowment funds payable in January.
- j) Waived the publication page charges for a graduate student from outside of North America who had indicated an inability to pay them.
- k) Reimbursed travel expenses for Loretta Mikitzel and Larry Hiller for their trip to Maine to review office operations and prepare for transition of administrative duties to AMR.
- l) Accepted the Site Selection Committee recommendation to approve Missoula, MT for the 2020 PAA Annual Meeting.
- m) Approved the Utilization and Marketing Section proposal to present a symposium in 2019; and the Breeding and Genetics/Plant Protection proposal to present a symposium in 2020.
- n) Approved the Finance and Endowment Committee recommendation to set a goal to increase the Frank L. Haynes Graduate Student Research Award Endowment principle to \$100,000 by 2020, and dedicate the auction proceeds to that goal.
- o) Moved forward with a contract with AMR for administrative and financial services from June 1 to December 31, 2017.
- p) Paid the transition fee, provided \$1,000 to establish the PAA bank account, and paid the AMR contract fee in monthly installments.
- q) Set the signers for the PAA bank accounts to be the President, Treasurer, Finance Chair, and President of AMR.
- r) Approved the proposed 2018 budget as drafted by the Finance Committee.

**MOTION** moved by L. Morrow, seconded by A. Thompson, and unanimously passed to accept all of the EC actions (noted as a-n above).

**MOTION** moved by R. Davidson, seconded by A. Thompson, and unanimously passed to accept all of the EC actions (noted as o-q above).

**MOTION** moved by R. Davidson, seconded by A. Thompson, and unanimously passed to accept all of the EC actions (noted as r above).

**MOTION** moved by L. Morrow, seconded by R. Novy, and unanimously passed to waive all outstanding, delinquent page charges owed for papers in volumes prior to and including AJPR Volume 93 (2015).

#### **New Business:**

**PAA Research Advisory Committee** – The Potato Research Advisory Committee (PRAC) would like to work with the PAA to consult about the technical aspects of proposed studies. Thornton noted that concerns or comments can be addressed to EC members. Some notes from the membership were: 1) it is nice that the National Potato Council recognizes the ability of the PAA to assist them; 2) consider how we ensure that the persons involved have the appropriate expertise to advise; 3) we must not allow this relationship to be influenced by politics or jeopardize our reputation as an independent and science-based organization; 3) if the PAA participates, it should be as an “advisory” rather than as a “review” committee.

**World Potato Congress (WPC)** – Peter Vander Zaag noted the WPC’s mission to support the global potato industry. He encouraged everyone to visit their new website. The WPC is looking for volunteer papers for technical sessions at the upcoming Triennial, 10<sup>th</sup> World Potato Congress.

#### **Announcement of Officers:**

Past President Loretta Mikitzel announced the names of the newly-elected PAA officers: Shelley Jansky will be the PAA President; Rich Novy will be the President-elect; Kent McCue was elected PAA Vice President; and Helen Tai and Roy Navarre were elected for the vacant Director positions.

#### **Recognition of North Dakota Hosts:**

President Thornton called upon newly elected PAA President, Shelley Jansky, to provide

recognition for the exceptional efforts of the North Dakota LAC in hosting the 101<sup>st</sup> Annual Meeting of the PAA. Jansky offered the following “Resolution of Appreciation”:

Whereas the 101<sup>st</sup> Annual Meeting of the Potato Association of America was held in Fargo, North Dakota from July 23 to July 27, 2017; and, Whereas the meetings were hosted by an enthusiastic and well-organized Local Arrangements Committee under the able direction of Co-chairs Andy Robinson, Gary Secor, and Susie Thompson who welcomed and graciously hosted 240 delegates from 25 states, 6 provinces, and 13 countries, with the support of 44 sponsors; and, Whereas the Conference Coordinator and the meeting site, with their excellent facilities and assistance, provided an outstanding venue and opportunity to renew friendships, make new acquaintances, and interact with professional colleagues from North and South America and around the globe; and, Whereas the meeting program provided an excellent forum for sharing scientific information from outstanding presentations through its symposium with 5 presentations, 1 guest speaker presentation, 72 oral presentations, and 14 posters; and, Whereas participants were provided with opportunities for many varied activities, foods and drink, and experiences in a beautiful city and state; Therefore, let it be resolved that on this 3<sup>rd</sup> day of August we of the Potato Association of America extend our heartfelt and most sincere thanks to the Michigan Local Arrangements Committee, their sponsors, and all who contributed to the success of the annual meeting. Please join me to acknowledge a job well done!

The membership acknowledged Co-chairs Andy Robinson, Gary Secor, and Susie Thompson with applause.

### **Passing of the Gavel:**

There being no further business, the 101<sup>st</sup> Annual Business Meeting of the PAA concluded with the traditional passing of the gavel from outgoing President Mike Thornton to incoming President Shelley Jansky. The membership welcomed the new president with a round of applause, and then acknowledged the contributions of the outgoing president with another round of applause.

Shelley Jansky, new PAA President, called for further discussion, and hearing none, she closed the meeting.

Adjourn

*Submitted by Carrie Wohleb, PAA Secretary*

## **AWARDS BANQUET OF THE 101<sup>st</sup> ANNUAL MEETING OF THE POTATO ASSOCIATION OF AMERICA**

Wednesday, July 26, 2017

**Welcome** - President Mike Thornton presided over the program of the Potato Association of America (PAA) Awards Banquet which took place the evening of Wednesday, July 26, 2017 in Fargo, North Dakota. President Thornton acknowledged the meeting sponsors and sustaining members of the PAA. Then he recognized the past presidents in the room. President Thornton recognized and asked for a round of applause for Tarun Gangwal who was the Global Outreach Committee Invited Guest for this year's PAA Annual Meeting.

**Outstanding Paper Award** - John Bamberg then presented the Outstanding Paper Award for the AJPR in 2016 to Hielke De Jong for his invited review: *Impact of the Potato on Society* in AJPR 93(5):415-429. De Jong was not at the meeting, so Helen Tai accepted it on his behalf. Since the award was given to an invited review, the Editorial Board also decided to recognize Dennis Johnson (corresponding author) for the paper: *In-canopy Environment of Sprinkler Irrigated Potato Fields as a Factor for Late Blight Management in the Semiarid Environment of the Columbia Basin* by Dennis Johnson and Thomas Cummings in AJPR 93(3):239-252.

**Frank L. Haynes Graduate Student Research Competition Awards** – Paul Bethke, Chair, reported that 22 students competed this year. Five awards were given.

1st place: Maria Caraza Salas (advisor: Jeffrey Endelman), University of Wisconsin. ***Using Image Analysis to Quantify Skin Set and Color in Red Potatoes.*** Maria used image analysis of digital images to phenotype red potatoes for skin color and percent skinned area. This work is part of a larger project focused on uncovering genetic loci that contribute to resistance to skinning and skin pigmentation. Maria gave a clear, poised presentation that used carefully crafted visual aids to describe her results and her research plans.

2nd place: Graham Ellis (advisor: Rick Knowles), Washington State University. ***Determination of Pasteur Point in Minimally Processed Potato.*** Graham's research focused on the interplay between physiological responses of fresh-cut potato and the packaging environment. The research described was complex and technically demanding, but his presentation was clear and well organized.

3rd place: Ryan Alpers (advisor: Shelley Jansky), University of Wisconsin. ***The Development and Phenotyping of Diploid Recombinant Inbred Lines of Potato.*** Ryan described his research on the development of recombinant inbred lines of potato and how his research might contribute to the development of diploid potato breeding.

4th place: Jaebum Park (advisor: Walter De Jong), Cornell University. ***Mapping resistance in tetraploid potato for resistance to *globodera rostochiensis* pathotype ro2.*** Jaebum gave a dynamic, engaging presentation in which he shared his research on developing a molecular marker for golden nematode resistance.

5<sup>th</sup> place: Natalie Kirkwyland (advisor: David Douches), Michigan State University. *Investigating resistance mechanisms to Colorado potato beetle in diploid potato*. Natalie gave a polished, well organized presentation on research using diploid potato and inbred lines to uncover the genetics of host plant resistance to an important insect pest.

**Recognition of Honorary Life Members** - Past President Loretta Mikitzel asked all of the Honorary Life Members (HLM) in attendance to stand and be applauded.

**Presentation of New Honorary Life Members** - Robert (Rob) Davidson, Allan French, and Jeffrey (Jeff) Suttle were inducted as new HLMs of the PAA. Willem Schrage presented the award to Rob Davidson. Rebecca Jones presented the award to Allan French. Ed Lulai presented the award to Jeff Suttle.

**Recognition of Retired PAA Administrator Lori Wing** - President Thornton recognized Lori Wing for her 20+ years of service to the PAA. She was not able to attend the meeting, but a signed book and plaque will be sent to her. Thornton asked Larry Hiller to share some memories of working with Lori. He noted that she started as a runner in 1995, and was hired to be the Administrator in 1997. He said she treated PAA members like family.

President Thornton recognized the members of the Executive Committee and then asked Larry Hiller to stand and be applauded for the extra work he did this year to ensure that operations continued through Lori Wing's retirement and the transfer of office services to Michigan from Maine. Thornton also thanked Barbara Harrity, Gail Fernald, Susan Pinette, Claude Junkins, Greg Porter, Leigh Morrow, Al Bushway, Loretta Mikitzel and Robert Gareau for their assistance with the PAA office.

**Recognition of 2017 Hosts** - North Dakota LAC co-chairs, Gary Secor, Susie Thompson, and Andy Robinson, were applauded for putting on a great meeting. They stood and recognized the other members of the North Dakota LAC for their hard work.

**Passing the Gavel** - Out-going President Mike Thornton passed the gavel to incoming President Shelley Jansky. Jansky presented Thornton with a plaque for his service and the members applauded him.

**Invitation to Attend PAA 2018** - Nora Olsen and Bret Nedrow extended an invitation to the 102<sup>nd</sup> Annual Meeting of the Potato Association of America in Boise, Idaho, July 23 to 27, 2017.

**Adjourn**

*Submitted by Carrie Wohleb, PAA Secretary*