

103rd Annual Business Meeting Minutes and Reports
Wednesday, July 31, 2019 in Winnipeg, Manitoba Canada

1. The PAA Annual Business Meeting was called to order by the president, Rich Novy 1:30 p.m. CT on Wednesday, July 31, 2019 during the PAA 103rd Annual Meeting in Winnipeg, Manitoba Canada.
2. Tribute to deceased members and friends.
 - a. Joseph (Joe) B. Sieczka (7-29-18)
 - b. Bryce L. Farnsworth (9-13-18)
 - c. Jeffrey (Jeff) A. Wyman (9-14-18)
 - d. Gonzalo A. Rojas-Cifuentes (10-22-18)
 - e. Norman (Norm) R. Thompson (12-2-18)
 - f. William (Bill) R. Cotton (12-24-18)
3. President Novy called for additions to the agenda.
4. The minutes and reports of the 2018 PAA Annual Business Meeting (AJPR 96.4) were reviewed.

MOTION by L. Hiller, was seconded by M. Thornton and unanimously passed to approve the minutes of the 2018 PAA Annual Business Meeting.

5. Officer and Staff Reports:
 - a. President – Rich Novy provided a written report (see Appendix 1).
 - b. Treasurer – Larry Hiller reviewed the PAA's finances. (Information about the budget is to be posted on the "PAA Members Only" section of the PAA website at <http://potatoassociation.org/>).
 - c. Secretary – Carrie Wohleb's report was given during the standing committee reports.
 - d. Administrator – Angela Richardson provided a written report (see Appendix 2).
6. Standing Committee Reports:
 - a. Editorial Board – Samuel Essah provided a written report (see Appendix 3).
 - b. Finance – Larry Hiller provided a written report (see Appendix 4).
 - c. Leadership Identification and Development (see Appendix 5).
 - d. Awards and Recognition Committee
 - i. Honorary Life Members and Board Member Identification – Shelley Jansky provided written reports (see Appendix 5).
 - ii. Frank L. Haynes Graduate Student Research- Paul will announce the results of the contest during the banquet. Written report provided (see Appendix 5).
 - e. Annual Conference – Carrie Wohleb – Carrie Wohleb provided a written report (see Appendix 6).

- f. Association and Industry Outreach
 - i. Promotion and Communication – Andy Robinson provided a written report (see Appendix 7).
 - ii. Global Outreach- Héctor Lozoya-Saldaña provided a written report (see Appendix 7).
 - g. Site Selection Committee –Nora Olsen provided a written report in Susie Thompson’s absence (see Appendix 8).
 - h. Membership – Mark Pavék provided a written report (see Appendix 9).
 - i. Standing Rules Document – Mark provided a written report (see Appendix 9).
7. Section Reports:
- a. Breeding and Genetics – (see Appendix 10).
 - b. Extension, Production & Management – (see Appendix 11).
 - c. Plant Protection – (see Appendix 12).
 - d. Physiology – (see Appendix 13).
 - e. Utilization & Marketing – (see Appendix 14).
 - f. Certification – (see Appendix 15).
8. Actions taken during the BoD Meetings since the 2018 Annual Business Meeting of the PAA in Boise, Idaho and up to the July 2019 Annual Meeting in Winnipeg, Manitoba Canada included the following:
- a. New terminology was approved for current VP and President-elect during transitory period between bylaws; New terminology was Vice President 1 & 2. (10-23-18)
 - b. Reimbursed ID LAC in the amount of \$976.74 for graduate student activity at the 2018 Annual Meeting in Boise; LAC subsequently decided reimbursement was not needed (10-23-18)
 - c. Approved 2019 FY PAA Budget; details included in Treasurer’s financial report (10-23-18)
 - d. Reappointed Larry Hiller as treasurer (10-23-18)
 - e. Continued payment of stipends for Secretary and Treasurer through 2019 during Bylaws transition; no subsequent stipends will be paid as per bylaws (10-23-18)
 - f. Approved the recommendation of the Global Outreach committee to invite Dr. Monica Parker as the International Guest Speaker at Winnipeg (11-27-18)
 - g. AMR contract was renewed for 2019 (11-27-18)
 - h. Sustaining members to be recognized in the Annual Meeting Program beginning in 2019 (2-12-19)
 - i. Reimbursed \$1,174 to Kent McCue for his travel expenses to the 2019 Potato Expo; Kent had oversight as VP of the PAA poster session and used his own personal funds to travel during the government shutdown. The BoD felt it appropriate, in light of his responsibilities on behalf of PAA, to reimburse his travel. (3-19-19)
 - j. Approved an \$1,150 increase in graduate student competition award stipends; increased distribution from the Frank L. Haynes Graduate Student Endowment

allowed awards to be increased to: 1st: \$1,000, 2nd: \$750, 3rd: \$400, 4th: \$300, and 5th \$200 beginning in Winnipeg in 2019 (3-19-19).

k. Approved \$3,000 to contract with website consultant to AMR to improve PAA website security and work with AMR in updating website; links to the PAA website were being hijacked by other websites and additional updates in website functionality and user-friendliness were needed (4-16-19)

l. Approved \$900 from the Haynes graduate student endowment for the graduate student activity at Winnipeg in 2019; requested by the Manitoba LAC (5-20-19)

m. Approved \$200 for viewing of the documentary film: Opening the Earth: The Potato King by PAA Membership; Recommended by Dave Douches and shown at the annual meeting in Winnipeg (5-20-19).

n. Approval of PAA slogan following membership contest and subsequent on-line voting by membership; a special thank you to Helen Tai and Angela Richardson for oversight of the slogan contest (6-18-19)

o. Hiring of a graphic artist recommended by AMR to provide guidance on the joint incorporation of PAA slogan and logo, as well as “stand-alone” slogan; Cost was to be no more than \$200—if estimate exceeded, then BoD approval was again needed. (6-18-19)

p. Approval of candidates for on-line voting for Directors by membership; Isabel Vales and Jeff Miller, for a 2-yr Director term; and candidates: Tom Drader, Mary LeMere, Addie Waxman, and Dennis Halterman, for 3-yr Director terms (6-18-19)

q. Approved the Physiology Section’s proposal for a 2021 Symposium on “Life-cycle of the Potato” (6-18-19)

r. Approved the CPA firm of Wills and Associates (Pullman, WA) to file the Association’s 990 tax document for 2018 (7-28-19)

s. Approval given to the Treasurer and Finance Committee to explore the auditing/financial review of PAA in preparation for the transition to AMR (7-28-19)

t. Acceptance, with gratitude, of \$70,354 from the 2018 Idaho LAC. Donated funds to be used for the financial support of the 2019 Symposium, and to be utilized for the payment of all student registrations beginning with the 2020 annual meeting in Missoula, MT. (7-28-19)

u. Authorization for the use of the StartMeeting teleconference system for any, and all, official PAA related business. Meetings to include, but not limited to BoD, standing, and ad hoc committees, as well as conference planning, etc. (7-28-19)

v. Approved the request of the Montana LAC to contract services to aid in local fund raising. Carly Hughbanks will be hired to support the local fundraising efforts of the MT LAC for the 2020 annual meeting, with 15% of the funding garnered by her to be relayed back to her for fundraising services provided. (7-28-19)

w. PAA participation in Potato Expo 2020. Vice President Mark Pavek will coordinate and oversee the planning and organization of the PAA poster session with the National Potato Council. (7-28-19)

9. New Business:

- a. Recognition of service to PAA: Carrie Wohleb and Paul Bethke were thanked by President Novy and presented with PAA plaques for their years of service.

10. The newly-elected Secretary is Darrin Haagenson and the new Directors are Dennis Halterman, Jeff Miller and Addie Waxman. Kent McCue will be the new President and Mark Pavcek will be the Vice President.

Kent McCue recognized the Manitoba hosts: The 103rd Annual Meeting of the Potato Association of America was held in The 103rd Annual Meeting of the Potato Association of America was held in Winnipeg, Manitoba, Canada from July 27 to July 31, 2019 and was hosted by an enthusiastic and well-organized Local Arrangements Committee under the very capable direction of Co-chairs Vikram Bisht and Tracy Shinnars-Carnelley who welcomed and graciously hosted 289 delegates and 16 accompanying persons from 17 states, 8 provinces, and 14 countries (USA, Canada, Mexico, Peru, Argentina, Brazil, China, India, Ghana, Kenya, Netherlands, UK, Australia and New Zealand), with the support of 34 sponsors.

The Conference Coordinator, Riel Dion and Planners Plus, Inc., the Delta Winnipeg Hotel, Bill Voulgaris and staff are also to be commended for their organizational efforts. The meeting site, with its excellent lodging and conference facilities and assistance, as well as the unique and innovative Journey to Churchill - Gateway to the Arctic exhibit at the Assiniboine Zoo, 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.

The meeting program provided an excellent forum for sharing scientific information through its Global Outreach Guest Speaker Monica Parker from CIP, Nairobi, its well-organized symposium by the Utilization and Marketing Sections with 4 presentations, and an additional 68 oral presentations, and 23 posters. Participants were provided with opportunities for many varied activities, foods and drink, and experiences in a beautiful city and province.

The Association greatly appreciates the members, and in particular those of Simplot and McCain, for their participation in the live and silent auctions as well as all of the donors of those items who help to make the auction a success and enhance the endowment funds to better serve the interests of the Association.

Therefore, let it be resolved that on this 31st day of July, we of the Potato Association of America extend our heartfelt and most sincere thanks to the Manitoba 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!

11. Passing the Gavel: The 103rd Annual Business Meeting of the PAA concluded with the traditional passing of the gavel from outgoing President Rich Novy to incoming President Kent McCue. 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.

MOTION moved by A. Robinson, seconded by L. Hiller, and unanimously passed to adjourn the meeting.

Submitted by Darrin Haagenson, Secretary

Appendix 1
President's Report – July 31, 2019

July 28th and 31st, 2019 for Board of Directors (BoD) and Business Meetings at Winnipeg, Manitoba

Highlights from 2018 - 2019

(All actions of the BoD on behalf of the PAA can be found in the 2019 Business meeting agenda)

- Approval of 2019 FY Budget. Under new bylaws and with the transition in financial reporting with AMR, the 2019 FY budget was moved from its traditional approval at the 2018 annual business meeting to discussion and approval by the BoD at its October 2018 monthly meeting.
- Reappointment of Larry Hiller as Treasurer. Approval by the BoD of an additional 3-year appointment for Larry occurred in October of 2018, with his desire to continue in his role of Treasurer to aid and provide guidance in the transition of PAA financial and LAC responsibilities to AMR.
- Renewal of AMR/PAA Contract for 2019. The relationship between AMR and PAA has developed successfully with increased responsibility by AMR for book-keeping/finances, annual meeting planning /oversight, and website security/design. Additionally, a greater portion of secretarial responsibilities will be overseen by AMR beginning in August of 2019. Angela Richardson, as PAA Manager, has shown herself to be well-organized and responsible for the daily management of the PAA. BoD approved the renewal of the AMR contract for 2019.
- Industry Outreach.
 - PAA Vice-President Kent McCue, very capably oversaw the PAA Poster Session at the 2019 Potato Expo with 12 posters presented, two of which were selected as well for oral presentations at the Innovation Hub Stage. He also participated in an interview on PAA as a component of the live streaming media component of the Expo.
 - I worked with the Managing Editor of Spudman magazine to identify PAA authors to write articles addressing the themes of the monthly issues of Spudman. Five articles were submitted on crop oil for PVY control (Duellman), PAA background and relevance for industry (Novy), potato cyst nematode control (Dandurand), weed management (Hutchinson), and pressure bruise (Olsen and Jayanty).
 - Sustaining Members to be recognized in the PAA's Annual Meeting program (beginning in 2019) for their support of the PAA.
- Update of Standing Rules Document: Mark Pavek was identified and graciously agreed to act as chair of the ad hoc committee to update and revise the current Standing Rules document to: 1) align with the bylaws approved in 2018, and 2) provide more detailed guidance on PAA protocols/procedures, e.g., symposium and international guest speaker protocols. Progress was made by the committee comprised of the committee chair, Angela Richardson, Kent McCue, Mike Thornton, Carrie Wohleb, and me. A final document for submission for BoD approval is anticipated in 2019-20.
- PAA Slogan Contest and Selection of Winning Entry: Nineteen entries were submitted from membership with one slogan overwhelmingly identified as a first-choice pick by 45% of the 183 members that voted. Slogan and logo were combined by AMR at the request of the PAA

for utilization on letterhead, website, etc. Thank you to Helen Tai and Angela Richardson for their oversight of slogan selection.

- Increase in the Graduate Student Competition Award Stipends. Increased distributions from the Frank L. Haynes Graduate Student Research Endowment allowed for an increase in award amounts to: 1st: \$1,000, 2nd: \$750, 3rd: \$400, 4th: \$300, and 5th: \$200.

- Identification and election of 3 new Directors and Secretary: A thank you to all nominees for their participation in the election with Jeff Miller, Addie Waxman, and Dennis Halterman elected to serve as Directors, and Darrin Haagenson as Secretary beginning August of 2019. Thank you to Shelley Jansky for her oversight of position nominations and subsequent election by membership.

- Approval of the 2021 Symposium: Life-Cycle of the Potato. Sponsor of the symposium is the Physiology Section with Paul Bethke chairing the symposium planning committee.

- Improved PAA Website Security and Design: With the aid of AMR, updated security certificates were added on all public pages of the PAA website with continued design improvements made to the publicly accessed website. The members-only component of the website is to be redesigned following the annual meeting in Winnipeg.

Submitted by Rich Novy, President

Appendix 2
Administrator's Report – July 31, 2019

Mission: The Potato Association of America shall collect and disseminate scientific information relating to all phases of the potato industry, including, but not limited to, teaching, research, outreach, breeding, certification, production, pests, transportation, processing, and marketing and utilization.

Membership

- 2019 Memberships: 448 (Renewals), 47 (New) Processed in Wild Apricot
- 495 Springer AJPR Codes Emailed to 2019 Membership
- Provided support as needed to members with Wild Apricot, website and annual meeting registration questions

Financial

- AJPR Invoicing for accepted manuscripts (August 2018-July 2019)
- Followed up on delinquent manuscripts for 2017- 2018
- AMR check signers Diane Dufek and Angela Richardson added to the University Credit Union Account
- Received and deposited income received from membership and manuscripts
- Communicated with and invoiced the Plant Protection Section for their cost of the 2018 Symposium in Boise, ID
- Worked with AMR staff on PAA monthly financial report clarifications
- Obtained Affinipay protocol for the 4 PAA volunteer testers – 3 out of 4 Affinipay processor testers successfully processed

Communications: PAA Emails Sent to Membership

- 65 E-blasts in the form of various PAA Announcements and Job Posting has been shared

Annual Meeting

Manitoba 2019 Annual Meeting

- Conference Website – AMR website creation, added sponsor logos, updated all annual meeting information on site
- Submitted planned list of program book items – Honorary Life Member List, Past President List, Past, Present and Future PAA Meetings List, Sustaining Members list, PAA New Logo, Invitation to the 104th Annual Meeting
- Gathered A/V requests from the PAA BoD and Section Chairs

Montana 2020 Annual Meeting

- Holiday Inn Downtown Missoula contract signed for the 104th Annual Meeting July 19- 23, 2020 in Missoula, Montana
- Conferences call with the Montana LAC, Rich Novy and Larry Hiller to go over annual meeting timeline, logistics and to clarify AMR/LAC roles
- Worked with the Montana LAC to create their 2020 conference logo

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115 **Prince Edward Island 2021 Annual Meeting**
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- 117 • Delta Hotel contract signed for the 105th Annual Meeting July 23 – 29, 2021 in
118 Charlottetown, Prince Edward Island
119 • Conference call with PEI LAC and AMR's PAA Event Manager, Erin McLaughlin on
120 6/3/19 to discuss meeting logistics
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122 **Clerical**

- 123 • HLM Voting
124 • Slogan Competition Voting
125 • Annual Meeting awards plaques
126 • Outreach to associations to share the AJPR 96.2 Nutrition Issue with their members
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128 **Website Updates and Redesign**

- 129 • NPC Statistical Yearbook 2018
130 • Annual Meeting 2018 photos added to the website
131 • Genetic Resource
132 • Grant Section
133 • Honorary Life Members Section
134 • Job Postings
135 • AJPR Journal Updates
136 • Annual Meeting Updates
137 • Seed Acreage
138 • Registration and sponsorship sections of paaevents.org
139 • Worked with AMR Communications director, Shawn Detlor to redesign the public
140 pages of the potatoassociation.org site
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142 **Social Media**

- 143 • Facebook Likes: 191
144 • Facebook Followers: 184
145 • Twitter Followers: 452
146 • Instagram: 125
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148 **Posts**

- 149 • Facebook Posts: 55
150 • Twitter Posts: 105
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153 Submitted By: Angela Richardson, Administrator
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161 **Appendix 3**
162 **AJPR Editor in Chief Report – July 31, 2019**
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165 **AJPR Editor-in-Chief Report to PAA 2019**

166 The full current Editorial Board can be found on the PAA Website

167 **Changes to Editorial Board**

168 Kathy Haynes has retired and is leaving the editorial board

169 Shelley Jansky retires from the editorial board at end of the 2019 PAA meeting

170 New Editorial Board members include:

- 171 1. Lincoln Zotarelli (Production and Management)
172 2. Max Feldman (Invited Reviews Editor)
173 3. Maria Isabel Vales (Breeding and Genetics)
174 4. Sastry Jayanty (Physiology)

175 The annual detailed status report for AJPR which is provided by Springer is posted on the PAA
176 website. Highlights of the stats for CY18 are as follows:

177 **Editorial Board Performance (2016, 2017, 2018)**

178 Submitted Manuscripts (134, 143, 133)

179 Accepted (69, 65, 76,). Acceptance Rate (54%, 46%, 49%)

180 Average Days to First Decision (55, 78, 59)

181 Average Days to Final Accept Decision (149, 153, 161)

182 Rejection Rate (46%, 51%, 40%)

183 The selected outstanding paper for 2018 was by corresponding author N. Richard Knowles,
184 entitled “Auxin Modulates Gibberellin-Induced Effects on Growth, Yield, and Raw Product
185 Recovery for Frozen Processing in Potato (*Solanum tuberosum* L.). Page 622.

186 A plaque will be awarded at the Banquet to the authors.

187 A special issue on the contribution of potatoes to Human Nutrition was completed in 2018 and
188 has been published in the March-April issue of 2019.

190 **Journal Success Metrics in 2018**

191 Number of download = 81,326

192 2018 Impact Factor = 1.095

193 Five years Impact Factor (2018) = 1.283

194 Respectfully Submitted,

195 Samuel Essah (Editor-in-Chief, AJPR)

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Appendix 4
Finance Report – July 31, 2019

Attendance:

Larry Hiller	Kent McCue
Mike Thornton	Erin McLaughlin (AMR)
Rich Novy	Angela Richardson (AMR)
Shelley Jansky	Bret Nedrow

FINANCE

[Budget Summary FY 2018]

A. Income	\$ Amount
1. Membership Dues	49,225.00
2. Publication & Journal	86,233.42
3. Investments	2,196.89
4. Endowment - PAA	6,401.00
5. Endowment - Haynes	1,815.00
6. Annual Meeting	3,000.00
7. Other	298.20
Total Income	149,169.51
B. Expenditures	
1. Personnel	4,000.00
2. Office Operations	5,174.32
3. Society Business	7,509.99
4. Journal & Publication	20,650.82
5. Annual Meeting	7,618.48
6. Symposium	6,073.23
7. Administrative Services	78,538.81
Total Expenditures	129,565.65
Net Income	19,603.86

[Budget Summary FY 2019 -- 1st 1/2 year]

	Actual	Budget
<u>A. Income</u>	<u>\$ Amount</u>	<u>\$ Amount</u>
1. Membership Dues	26,675.00	55,280.00
2. Publication & Journal	34,041.53	73,200.00
3. Investments	1,704.87	1,200.00
4. Endow payout - PAA	9,694.00	9,694.00
" - Haynes	2,252.00	2,252.00
5. Endowment - donations	1,160.00	0.00
6. Annual Meeting	3,000.00	3,000.00
-- other	753.23	0.00
7. Misc	1,626.71	0.00
Total Income	80,907.34	144,626.00
<u>B. Expenditures</u>		
1. Personnel	0.00	4,000.00
2. Office Operations inc travel	3,002.37	4,000.00
3. Society Business	749.08	6,254.00
4. Journal & Publication	5,297.04	26,100.00
5. Annual Meeting + Symposium	7,847.52	17,900.00
6. Administrative Services	42,600.00	85,000.00
Total Expenditures	59,496.01	143,254.00
Net Income	21,411.33	1,372.00

Submitted by Larry K. Hiller, Treasurer

277 **Appendix 5**
278 **Leadership Identification and Development Reports – July 31, 2019**

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280 **Honorary Life Members**

281 **Shelley Jansky (Chair)**
282 **Mike Thornton**
283 **Rich Novy**
284 **Kent McCue**
285 **Mark Pavek**
286 **Paul Bethke**
287 **Helen Tai**
288 **Roy Navarre**
289 **Jonathan Whitworth**
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291 A call for Honorary Life Membership (HLM) nominations was made via the Insider and emails
292 to the PAA membership. Complete packets for 7 nominees were received. The HLM committee
293 reviewed each to determine whether they met the criteria established by PAA for honorary life
294 membership. Six nominees were chosen to be considered for the award. Each member of the
295 HLM committee ranked each of the nominees. Then, the committee met by phone to discuss the
296 results. Based on rankings and discussions, the following four nominees were chosen as
297 Honorary Life Members – Peter van der Zaag, Kathy Haynes, Nora Olsen, and John Nordgaard.
298 The membership was notified of the results via email
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301 *Submitted by Shelley Jansky, Past President*
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303 **Board of Directors**
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305 Shelley Jansky (Chair)
306 Mike Thornton
307 Loretta Mikitzel
308 Andy Jensen
309 Nora Olsen
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311 The PAA membership was polled for leadership candidates via email. A list of candidates
312 for secretary and three directors was compiled. Due to changes in the bylaws, there are
313 currently two vice-presidents, so there was no need to search for one. The Board of
314 Directors approved two candidates for secretary, Darrin Haagenson and Laura Shannon.
315 Voting by the PAA membership was carried out via SurveyMonkey. There were 167
316 responses, and Darrin Haagenson was chosen for the 3-year term as secretary beginning
317 July 31, 2019. The resignation of a Director who had completed one year of service
318 required a replacement for a two-year term. The Board of Directors approved two
319 candidates for this position, Isabel Vales and Jeff Miller. Two more Director positions
320 also needed to be filled, to replace outgoing Directors. The Board of Directors approved
321 four candidates for these two positions, Tom Drader, Mary LaMere, Addie Waxman, and
322 Dennis Halterman. Voting by the PAA membership was carried out via SurveyMonkey.

There were 185 responses. The following were chosen as PAA directors, beginning July 31, 2019 – Jeff Miller (2-year term), Dennis Halterman (3-year term) and Addie Waxman (3-year term). The membership was notified of the results via email

Submitted by Shelley Jansky, Past President

Minutes from the 2019 Frank L. Haynes Graduate Student Competition Committee

Fourteen students entered the 2019 Frank L. Haynes Graduate Student Competition. These students came to Winnipeg from universities and research institutes in the province of Alberta, the states of ID, ME, MN, MI, ND, WA, WI, and from Massey University in New Zealand. Members of the committee for 2019 were Paul Bethke (chair), Dennis Halterman, Helen Tai, Lincoln Zotarelli, Maria Isabel Vales, Craig Richael, and Aymeric Goyer. The commitment of the committee members to the competition, as evidenced by their attendance at virtually all 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 was impressed with the high quality of the presentations overall and the breadth of the research presented. After careful deliberation, the committee decided that it was appropriate to make five awards.

1st place: Natalie Kaiser from Michigan State University.

Title: Fine Mapping Colorado Potato Beetle Host Plant Resistance in Diploid Potato.

2nd place: Colton Thurgood from Washington State University.

Title: Assessment of Non-traditional Soil and Foliar Additives for Enhanced Potato Yield and Economic Return.

3rd place (tie): Kirk R. Amundson from the University of California at Davis.

Title: Potato Haploid Induction Crosses Result in Chromosome-scale Introgression from the Haploid Inducer.

3rd place (tie): Thilani Jayakody from Michigan State University.

Title: Evaluating Regeneration Capability of Selected Diploid Potato Germplasm to Accelerate Diploid Breeding.

5th place: Brian J. Bohman from the University of Minnesota.

Title: Evaluation of Variable Rate Nitrogen and Reduced Irrigation Management on Nitrate Leaching for Potato.

Feedback on the presentations, including comments from the judges and suggestions for improvement, were incorporated into a letter that was emailed to each student.

368 The members of the committee thank each of this year's entrants for their enthusiastic
369 participation and for their contribution to the success of the meeting.

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371 Submitted by Paul Bethke, Chair

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Appendix 6
Annual Conference – July 31, 2019

Apex WebStudio continued to provide services for electronic abstract submission and uploading of presentations. The 2019 annual meeting program was prepared from 91 submitted abstracts that included symposium presentations, a presentation from the Global Relations Committee Guest Speaker, section presentations, 54 general session presentations, and 23 posters. There were 14 Frank L Haynes Graduate Student Research Competition papers. For a third year, many of the section meetings were held on Monday morning instead of Monday evening. These section meetings were followed by concurrent paper sessions, and then the Global Outreach Guest Speaker and the Symposium in the afternoon. Concurrent sessions continued on Tuesday and Wednesday mornings. The poster session took place on Tuesday afternoon.

The 2019 Symposium “Changes and Challenges in the Potato Marketing Sectors” was planned and organized by the Marketing and Utilization Section and led by Tina Brandt. The Breeding and Genetics will organize a 2020 Symposium on “Diploid Breeding”. In addition, the Physiology Section will organize a 2021 Symposium on the lifecycle of the potato tuber.

Submitted by Carrie H. Wohleb, Secretary

423 **Appendix 7**
424 **Association and Industry Outreach**

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426 **PAA Promotions and Communication Committee Report – July 31, 2019**
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428 The Promotions and Communication committee has been involved in providing suggestions and
429 edits to the new PAA webpage to ensure that the content is easy to access and important to
430 members and non-members of PAA. Additionally, PAA continues to use Twitter, Facebook and
431 Instagram to reach the public about important scientific articles and job postings. With the
432 assistance of AMR, the workload for the Promotions and Communication committee has been
433 greatly helped and we appreciate all AMR does for PAA.

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435 *Submitted by Andy Robinson, Chair*
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437 **Global Relations Committee Report – July 31, 2019**
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439 **Members**
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441 Héctor Lozoya-Saldaña, Chair
442 Peter Vander Zaag
443 Robert Davidson
444 Samuel Essah
445 Rich Novy
446 Larry K. Hiller
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448 By 2018, the guest speaker candidates were:
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450 Ewa Zimnock Guzowska, Breeder, Poland
451 Monica Parker, Seed/Production Systems, CIP-Kenya
452 Mehmet Caliskan, Breeder, Turkey
453 Marc Ghislan, Molecular Biologist – CIP Kenya
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455 Selected – Monica Parker
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457 There are no candidates for 2020 yet.
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459 Submitted by: Héctor Lozoya-Saldaña, Chair
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Appendix 8
Site Selection Committee Report – July 31, 2019

The Site Selection Committee (SSC) met at noon on Monday, July 28, 2019. Committee members attending included Gary Secor (2017 North Dakota LAC), Nora Olsen (2018 Idaho LAC), Tracy Shinnars-Carnelley (2019 Manitoba LAC) and Ryan Barret (2021 PEI LAC). Additional attendees included Angela Richardson (PAA Administrator) and Erin McLaughlin (AMR Event Manager). Nora Olsen led this meeting due to Susie Thompson's absence.

The 2019 meeting agenda (Secor/Olsen) and the 2018 Report to the Board of Directors (Secor) were reviewed and approved.

Discussion on possible sites and hosts for 2022 for later follow up:

WI – Endelman

PA - Lieby/ Fredricks

OR - Sathuvalii Rajakalyan/Charlton

Vikram Bisht and Tracy Shinnars-Carnelley gave an update on the 105th annual meeting to be held in Charlottetown, Prince Edward Island on July 25th-28, 2021.

Nina Zidack (2020 Montana LAC) was not in attendance, thus no update regarding the 2020 annual meeting to be held in Missoula, Montana, was provided.

The meeting adjourned at approximately 12:55 pm.

Submitted by Nora Olsen, Idaho 2018 LAC Chair

Appendix 9

Membership Committee Report

2018 PAA Membership Numbers

- 468 Members in 25 countries
- 331 Individual
- 28 Sustaining
- 42 Students
- 67 Honorary Life Members

Down 5% from 2017

2018 PAA Membership Dues

- \$48,010 – down 3% from 2017

Submitted by: Mark Pavek, Chair

Standing Rules Document

Mark Pavek, Rich Novy, Kent McCue and Angela Richardson met via conference call on April 12, 2019 to discuss possible updates to this document. Mark will convene another meeting to further discuss and update later this year.

Submitted by: Mark Pavek, Chair

Appendix 10: Breeding & Genetics Section 2019 Annual Meeting Minutes

1. Call to order at 8:00AM – attendees sign in
2. Brief introductions
3. Approval of minutes from 2018 Annual meeting
 - a. Jeff Endelman made motion to approve
 - b. Graham Ellis seconds it
4. Additions to agenda
 - a. Jeff Endelman proposes quick announcement regarding Chicago NCCC215 meeting in December
 - b. Rich Novy – offers the reason for Susie Thompson’s absence, she sends her regrets
5. PAA Makeover updates – changes to the website and comments
 - a. The contractor involved in the redesign is taking a break to spend time with ill family members, but there is a demo link that will be relayed to the membership this week for their review. “Soft launch”
6. Annual meeting updates: 2020 ‘Diploid Breeding’ [Dave Douches/Shelley Jansky/Dennis Halterman] and 2021 ‘Life Cycle of the Potato’ [Paul Bethke] meetings – calls for Symposia topics and potential speakers
 - a. 2020 meeting on “Diploid Breeding” (Shelley Jansky, Dennis Halterman, Dave Douches):
 - i. Symposium speakers are needed.
 - ii. The format for this week’s meeting is four speakers while in another year there was a more segmented approach. At this point, Douches is seeking names for speakers.
 - iii. The symposium is targeted to the general audience (PAA community). Budget is \$4,000. Anything above that is up to the section.
 - iv. Topics proposed: dihaploid induction in other crops, someone from Solynta was volunteered, seed aspect – suggestion to get someone from Bejo, CIP has a strong effort for an international perspective, seed regulations and TPS, seed certification.
 - b. 2021 on “The Lifecycle of Potato”, Paul Bethke is taking suggestions for speakers
7. Ideas for future international speakers via Global Outreach Subcommittee (Hector Lozoya-Saldana)
 - a. Suggestion of CIP regarding international breeding efforts, funds are provided for the speaker and travel
 - b. Please relay NAMES to the committee
8. Diploid Breeding SREP proposal updates – Shelley Jansky
 - a. Four years ago three goals were set at a Madison, WI meeting:
 - i. Paper in crop science - complete
 - ii. Get on schedule for PAA symposium - complete
 - iii. Seek external funding - complete! Jeff Endelman, Dave Douches, Paul Mitchel, Robin Buell, Laura Shannon. Four year project, includes several US breeders. Four aims:
 1. Understand self-incompatibility better: fine mapping, genomics

- 585 2. Massive dihaploid extraction effort using various US programs, Create self-compatible
586 material
- 587 3. Recurrent selection project
- 588 4. Understanding of TPS – how to start creating tuber seed from TPS starting point
- 589 iv. Meeting this Wednesday at 3:30 in Charleswood Room
- 590 v. PepsiCo was a huge contributor to the matching funds for genotyping for the project
591
- 592 9. Potato Pan-Genome Consortium updates – Jeff Endelman
- 593 a. The assembly was completed and bills are paid; they have access to phased scaffold level
594 assembly for Atlantic and Castle Russet
- 595 b. In next nine months, chromosome-level pseudomolecules will be constructed
- 596 c. At this time, it is a privately held resource but will become available to the community
597 after publication
- 598 d. At 4:30 on Wednesday they will meet to discuss next steps
599
- 600 10. Intertek KASP genotyping service – Jeff Endelman
- 601 a. Excellence in breeding initiative – high throughput genotyping platform for screening at a
602 low density with validated markers
- 603 b. The contract with Intertek is extended to University of WI and other collaborating public
604 sector breeders, up to 10 SNPs for \$2.50/sample including DNA extraction and KASP
605 genotyping. Two leaf punches are mailed and results are returned in two weeks. Leaves must be
606 freeze or heat dried. Orders over 16 plates are for \$2.00/sample. A minimum sample number of
607 384 is enforced. Prices are set up for one year, through July of 2020. Development seems to be
608 done for free. Capped at 100 SNPs.
- 609 c. They are not currently set up to differentiate the three heterozygotes to determine dosage.
610 PVY (Ry) and nematode (H1) resistance markers. Additional work is needed to provide
611 sequence data to design the KASP markers.
- 612 d. Suggestion was made to develop a set of markers for fingerprinting purposes.
- 613 e. Contact Jeff Endelman for access to the contract.
- 614 f. In Development: DArT multiplex PCR reaction for 1000 to 2000 markers for \$10/sample
615 – attractive technology for genomic selection (contact Jeff Endelman)
- 616 g. In Development: similar amplicon sequence technology is under development with
617 PepsiCo (contact Dave Eickholt)
- 618 h. In Development: version 4 SolCAP SNP array (contact Dave Douches) will include more
619 diploid species to reduce ascertainment bias. 3500 SNPs. This should be the final array.
620
- 621 11. Innovation Potatoes Organization – Joel VanderScaaf, from Tuberosum Technologies
- 622 a. Meeting Tuesday at 12:00 in Charleswood room.
- 623 b. Exists to protect the intellectual property of breeders. Aim is to educate and advocate on
624 behalf of industry and construct more robust mechanisms for tracking IP use and PVP. Proposes
625 communication to certifying bodies and/or retailers of licensed varieties and verification of
626 royalties through a checkoff system.
627
- 628 12. Solynta presentation – Michiel de Vries, “Solyntus, the new reference for genetics and
629 genomics research in potato”
- 630 a. An effort in collaboration with Finkers group at Wageningen University.

- 631 b. Solyntus line sequenced (S6 with somewhat inbred parents)
632 i. vigorous growth, produces seeds, highly homozygous, tissue culture tolerant, stable tuber
633 phenotype from seed, 15-20 small tubers per plant, light yellow flesh, poor frying quality, firm
634 cooking type
635 ii. long and short reads, de novo assembly.
636 iii. Experimental results were reported
637 iv. Genomic toolbox for homozygosity scoring, allele tracing, and R-gene discovery
638
639 13. Other business from #4
640 a. New section members? (not addressed)
641 b. NCC215 Chicago Meeting: Chair for coming session is Dennis Halterman, Dec. 9th and
642 10th, 2019 near the airport.
643
644 14. Election of secretary
645 a. Nomination of Josh Parsons
646 b. Dennis Halterman moves to close nominations, seconded by Dave Douches
647
648 15. Adjourned at 9:30AM
649
650 Submitted by Ek Han Tan, Section Chair

Appendix 11
Extension, Production, and Management Section 2019 Meeting Minutes

1. Called to order
2. Intros
3. Approve minutes
 - Moved: Steve Johnson
 - Seconded
4. Announcements - none
5. Proceedings status – Andy Robinson taking lead, deadline Nov 15; short intro needed; review needs updated
6. PAA website
7. Suggestions for symposium speakers 2020, 2021 – none offered
8. Carl Rosen moves to sponsor Potato Soil Health for 2023 (Plant protection section) and ext/prod/mgnt section sponsors Vector symposium for 2022
 - Seconded by Jeff miller
9. deadline needs to be put on calander
10. early career award specifically for ext/prod/mgnt
 - Jeff Miller – leading the group from plant protection – suggests should be society-wide
 - Noah – each section submits nomination/s
 - Jeff – work initiated in plant protection may be sufficient for this
11. recommendations for future PAA meetings – international speaker
 - Ryan Barrett (Prince Edward Island) – precision ag, team at Wageningen University doing work on user friendly precision ag platform, e.g. Fritz Van Evert, Giert Kessel – late blight prediction/variable rate planting/ variable rate herbicide, Holland; employing Phytophthora app in Bangladesh, Canada, Mexico; potato-focused decision support platform (we will pass along to Hector)
 - Andy Robinson - Mark Stalham, NIAB -UK, nitrate use efficiency in plants/ nitrogen-nutrient management

681 Bob Leiby - Melinda Gates – Gates Foundation impact wrt potatoes – an international
682 perspective

683 Nora Olsen – Jim Lorenzen at Gates Foundation

684 12. Area reports

685 PEI – Ryan Barrett – slow start; delayed planting (normal: mid-late May) into June; catching up
686 slowly; generally crop looks good; ~90% dryland, getting dry but rain is in the forecast; with
687 decent rains in August, average to above average crop; rotation/soil building focus of extension
688 programs; ~85K acres

689 MI – Jaime – late planting, late spring, flowering, crop looking good, no late blight to report,
690 US23 confirmed and reported in Wisconsin, disease low, low white mold/black leg (Pectin and
691 Dickeya confirmed), things looking alright; ~47K acres, about the same as last year.

692 ID – Nora Olsen – acreage ~315K, about the same as last year; cooler, wetter spring – herbicide
693 damage but nothing that we couldn't outgrow/live with, brown center/hollow heart, no late
694 blight, some psyllids – a couple were hot for zebra chip pathogen; crop looking good; a little
695 behind in certain areas, but a nice season – not too hot, perfect growing conditions, only recently
696 hit 100.

697 MN – Carl Rosen – cold/wet spring; crop looking fairly good now, some fresh reds already
698 killed, smaller size but “price is right”; diseases – no late blight reported or confirmed; a little
699 early blight; beetles always a problem; an okay year, average yield maybe a little below average
700 due to short growing season, smaller sizes expected due to delays; Andy Robinson – quite wet,
701 looking remarkably well despite wetness; getting a break in rain- not much in 10-day forecast;
702 caught up, maybe about a week late on average for processors – but fresh has a good price right
703 now.

704 ND – Andy Robinson – similar to MN, aphid traps – low numbers of moving aphids, no major
705 disease issues; dry land row closure not there due to drought stress in some areas, dry land acres
706 yield will likely be down unless timely rain is received; wet acres will likely see more bacterial,
707 but sandier soils allow better drainage; weed control has been good, no issues with herbicide
708 injury, 78K acres.

709 FL – Lincoln Zotarelli – 25-27K acres, 70% chipping potatoes, balance table stock; plant around
710 Jan/Feb in NE FL, mostly done by early June; prices good, shortage of seed esp for Atlantic,
711 mid-May – summer rains increased incidence of rot, but overall good, growers happy.

712 CO – Samuel Essah - a lot of moisture, much desired; crop is doing good but tuber sizing is
713 delayed – late bulking, late harvest is expected, 50-55K acres – seed and fresh market.

714 ME – Susannah Cooper - late planting due to wet, about a week behind for processors, low
715 disease pressure, no late blight reported yet; Steve Johnson – some crops won't row close; has
716 been dry and hot lately and not good for potatoes – about 10 days to 2 weeks behind, will run out
717 of growing season; snow went from end of October through May (“whopper on 15th of May”) –
718 50K acres; optimistically predicting an average crop; quality should be good, seeds stressed,
719 gravity high; non-irrigated (~85%) won't be big, unless things change in next month and a half.
720 Pretty quiet.

721 PA – Bob Leiby - ~6K acres, Wet, cool, some pecto; late blight in Erie, a seedborne problem,
722 pretty well contained due to grower response, P infestans US23 reported.

723 WI – Yi Wang – optimistically looking for close to average crop; cold wet May, weeks of
724 cloudy/rainy weather, ~14 days behind on average, Burbank just started to flower; usually first
725 reds killed second week of July, just started last week; saturated or close to field capacity wrt soil
726 moisture so many growers can't fertigate; one instance of late blight confirmed but no new
727 reports; black leg popping up; vine kill estimated 2-3 wk of September is weather remains good
728 since July 4th; 68K acres.

729 Climate change in India, impact on potato – positive impact on December because fogging
730 conditions in December were minimized – bright sunlight. Is there a climate change impact on
731 potato in US?

732 In PEI – planting is delayed but frost is also delayed, depending on the year; less predictable,
733 more erratic

734 In Maine, more dramatic weather – bigger rains, hotter, drought, etc.

735 NJ – Mel Henninger – ~2K acres; delayed, looking pretty good now; period of very hot weather
736 two weeks ago, close to 100; 100% humidity; crop doing very well, esp fresh and chip market
737 crops; Atlantics going fast; other varieties will come later in August, usually 95% dug by end of
738 August;

739 Manitoba – Vikram Bisht – planted earlier than normal; planting season was perfect but soils
740 were a bit cold; took about 4-5 weeks for plants to emerge; the slow start was followed by plenty
741 of heat so crop appears to have caught up; lower than normal rainfall (60-80%) but some areas
742 120%; no late blight, minor early blight/brown spot; major issue: Colorado potato beetles with
743 fair amount of resistance; growers have already applied one more foliar, delegate insecticide
744 currently being used, verimark not really effective; ~70K acres; last year was a bad crop –
745 freezing temps, lost about 5200 acres, about 4000 A not used due to chilled potatoes, so about
746 9K acres not used by processors, so trajectory of production has been going up, significant
747 increase in acres

748 13. website info needed for USDA SCRI funded research – there is no info on this link; The
749 Chair encourages everyone to submit info to PAA to get our info out there

750 14. Potato Expo Update – Kent McCue gave talks/ poster/booth in 2019 –
751 Andy Robinson suggested having a round table – open discussion with growers - maybe at our
752 booth, sessions like “Stump the doc”; Mark Pavek may be a good choice to organize this.

753 15. other items – none

754 16. Nominations and election of officers for 2020

755 Susannah Cooper – nominated for secretary

756 Jeff Miller moved to approve nomination; seconded

757 Vote – ayes have it!

758 (Jaime Willbur will be nominated in 2020)

759 17. Bob Leiby moved to adjourn. seconded

760 *Submitted by Noah Rosenzweig, Section Chair*
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Appendix 12
Plant Protection Section 2019 Meeting Minutes

Monday, July 29th 8:00-9:30 AM
Delta Hotel (Assiniboia Room)

Chair: Kasia Duellman

Vice-Chair: Drew Glascock (absent; Minutes were graciously taken by
Matthew Blua)

Secretary: Kylie Swisher Grimm (absent)

1. Call Meeting to order

Meeting was brought to order at 8:00 am

2. Introductions

Attendees: approximately 45 people were in attendance

3. Minutes: Approve minutes from 2018 Annual Meeting

**A motion to approve minutes from last meeting (July 2018) was made by
Carrie Wohleb, seconded by Jeff Miller**

- **Motion was approved unanimously**

4. Announcements from section (e.g., Plant Protection-focused talks or posters, job openings, other meetings of interest in the next year, etc.)

- a. Reminder: Contact Angela Richardson (arichardson@managedbyamr.com) with information for the website, including meeting announcements, position openings, and research reports (e.g. trial data, grant reports).
- b. If you are so inclined, please use the PAA Twitter and Facebook accounts to promote potato-related activities and enhance the visibility of PAA.
- c. PAA website is undergoing a makeover. “Members Only” component will be updated after the annual meeting. Please review PAA website and contact Angela with impressions and comments etc.
- d. Other announcements

5. Early career award sponsored by the plant protection section (Discussion – should we acknowledge early career achievement or service at the section meeting or banquet. If so, what type of protocol should be used to select a recipient? Should we broaden it to “Outstanding Service”?) – This item was tabled in 2018.

Brief discussion of website followed by discussion of early career awards from the Plant Protection section to acknowledge career achievements or service as a means of boosting attention to early career scientists. Question: do other sections have awards? Various opinions were expressed regarding the award

idea with no consensus. It was concluded that more direction is needed from the PAA board.

A motion to drop the idea of career achievement awards was made by Harlene Hatterman-Valenti, seconded by Gary Secor.

- **7 were in favor of the motion, 27 were not in favor of the motion. Motion was defeated.**

Further discussion focused on awards for graduate students and defining “early career”. Jeff Miller suggested that a committee be formed to consider the idea further, and volunteered to lead it. Jonathan Whitworth and Silvia Rondon volunteered to be members of the committee.

6. Symposia

- The 2019 Symposium - Changes and Challenges in Potato Marketing Sectors - was organized by the Utilization & Marketing Section. Ballroom, 2:00PM-5:15PM, Monday July 29th.
- Our joint symposium (with Breeding and Genetics) on "Diploid Breeding" has been approved for 2020. (Co-sponsors: Breeding and Genetics and Plant Protection sections-Symposium Chairs: Dave Douches/Shelley Jansky/Dennis Halterman)
- Symposium for 2021: “Life-Cycle of the Potato” (Sponsor: Physiology Section-Symposium Chair Paul Bethke).
- If we have recommendations for speakers for 6.b, c – relay to Symposia Chairs for their consideration.
- Target dates of 2022, 2023: Any additional thoughts or suggestions for sessions that were not fully developed in our previous meeting including potential co-sponsoring sections.
 - Herbicide injury symptoms on emerging crop, at mid-season, and at harvest
 - Rindite gas – does it mask chemical injury in winter grow out?
 - “Fatal Flaws” of varieties – disease/arthropod/herbicide sensitivity problems with new releases
 - Other potential topics and willingness among section members to organize **2023 symposium**
 - Send proposals by email to the Secretary of the Executive Committee (Carrie Wohleb)

Kasia described symposia for the Plant Protection section upcoming in 2020, 2021, and 2022. Further discussion centered on a symposium in 2023 on Plant/Insect Interactions and insect vector relations to enhance attendance by entomologists.

A motion was proposed by Silvia Rondon for a 2023 symposium that is vector oriented was seconded by Jeff Miller.

- **Motion was approved unanimously**

7. Recommendations for invited international speakers. Request for ideas regarding future international speakers that could present on topics of interest to the PAA membership.

Kasia presented Hannu Pappu's recommendation for an invited international speaker: Doretta Boomsma, Program Leader, Plant Pathology, HZPC, Groningen, the Netherlands. <https://nl.linkedin.com/in/boomsma-doretta-3a224b67>

Another suggestion was a Chilean Plant Pathologist, Yvette Cunia, who could talk on early blight, late blight, and common scab.

8. Area reports

Members gave reports for their respective regions; notes were not taken. However, the biggest take home message seemed to be that many regions were experiencing either excess rain or drought, and that 2019 was going to be an interesting production year.

9. Other items

10. Nomination and election of officers for 2020.

2020 Secretary: Jaime Willbur was nominated and unanimously approved as Secretary for 2020

11. Adjourn

Meeting was adjourned at 9:30am

Appendix 13
Physiology Section 2019 Meeting Minutes

July 29, 2019

Present: Yi Wang, Helen Tai, Amber Gotch, Sanjay Gupta, Carrie Wohleb, Paul Bethke, Aymeric Goyer, Graham Ellis, Carl Rosen, Frank Mulcahy, Joe Sowokinos, Darrin Haagenson, Steve Watts, Nora Olsen, Kent McCue, Sastry Jaynty
Meeting called to order at 6:45AM with Chairman Yi Wang presiding.

Introductions.

2018 Meeting Minutes.

Graham Ellis moved that the 2018 physiology section meeting minutes be approved as distributed and the motion was seconded by Paul Bethke.

2021 Physiology Symposium.

Paul Bethke, serving as chair of the symposium planning committee, shared that section sponsorship for the 2021 PEI symposium 'Life Cycle of the Potato' was approved by PAA. Speaker suggestions were sought and three potential speakers were identified: David Hannapel (Iowa State), Idit Ginzberg (Israel), and Paul Struik (Netherlands). Adam Fenech was identified as another potential speaker that possesses a distinguished research career on climate change and has a local PEI connection. Additional planning committee members were sought, and Nora Olsen agreed to assist with the symposium planning committee. Carrie Wohleb shared that up to \$4,000 may be requested from the Board of Directors for invited 2021 symposium speaker travel.

Section Bylaws

Chairman Yi discussed the review of section bylaws to ensure that they align with the revised PAA bylaws, but no action was proposed.

Social Media

Section members were encouraged to use social media to promote the association. Regional/national events could be sent to PAA administrator, Angela Richardson, for distribution.

2020 Section speakers

A guest speaker for the 2020 section meeting in Missoula MT was sought, but names were not identified. A call for section speakers will be made prior to the 2020 annual meeting.

Physiology Section Early Career Awards

The topic of early career awards being recognized by individual sections was discussed. The unanimous consensus was the association did not have enough membership to sustain an award for individual sections. There was discussion that individual sections could nominate a member and an unidentified committee would select a single early career award winner from across all PAA sections. Concerns of funding the award were also noted. Kent McCue mentioned that endowment funds for recognizing an early career award could be proposed to the Executive Board.

Global Outreach Committee Nominations

The global outreach committee was requesting names for upcoming annual meeting speakers. Frank Mulcahy, Simplot Australia, volunteered his name for a presentation on DNA soil testing of pathogen profiles as impacted by crop rotation in Tasmania.

2019 -2020 Officers

Amber Gotch will move to Chair, and Darrin Haagenon to Vice Chair. Nora Olsen nominated Carrie Wohleb for secretary, Graham Ellis seconded the motion, with unanimous approval.

With Graham Ellis finishing his term as director, Carrie Wohleb nominated Aymeric Goyer for a director position, seconded by Paul Bethke, with unanimous approval.

Meeting adjourned at 7:40AM

Appendix 14
Marketing and Utilization Section 2019 Meeting Minutes

996
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999 Introduction: Addie Waxman
1000 Next year 2021:
1001 Chair – Tina Brandt
1002 Vice Chair – Colton Thurgood
1003 Secretary – Joe Townsend
1004
1005 Global Outreach Committee
1006 - Future international speaker needed
1007 - Contact Hector Lozoya Saldana
1008 Topics for next year
1009 - Potatoes without CIPC
1010 - Reaction to loss of chemistries
1011
1012 1st speaker:
1013 Dr. Evans Baiya – Agrimery Fresh Foods: Managing Director of Agrimery Fresh Foods
1014 Title: Africa, The Next Potato King?
1015 - Africa is Large:
1016 o 58 countries
1017 o >1.216 billion people
1018 o Youngest population (65% <25 years old)
1019 o Food security challenging
1020 - Java House:
1021 o Over 80% of all meals at the Java House has a potato accompaniment
1022 o Biggest limiting factor for growth is a dependable continuous supply of potatoes
1023 - Bio-Pesticides
1024 o Want to be a CIPC free continent
1025 o Kenya first country to register 1,4 SIGHT in 2018 (sprout inhibitor?)
1026 - Challenges Facing the Kenya Potato Farmer
1027 o Varietal limitation
1028 ☐ Shangi (>80% of small scale growers
1029 • Thin skin
1030 • Fast sprouting (7-10 days)
1031 • >30% loss due to deep eyes
1032 o Lack of affordable machinery
1033 ☐ Too much dependence on manual labor
1034 o Climate Change
1035 ☐ Shifts harvest timing
1036
1037
1038 2nd speaker
1039 Ajay Jina – DormFresh: Technical Specialist
1040 UK Europe
1041 Title: Update on CIPC in Europe

1042 - Data gaps need to be filled (over 20 data gaps found)
1043 - 17 June 2019 – European Commission Non-renewal regulation
1044 - In-force 8 July 2019
1045 - End of grace period max 15 months – 8 Oct, 2020
1046 - Current EU MRL = 10mg/kg
1047 o Could drop to 0.01mg/kg
1048 o Cross contamination: reported values after 6 months
1049 ☐ CIPC up to 0.42mg/kg
1050 ☐ 3-CA up to 0.047mg/kg
1051 o tMRL not guaranteed, would need to be set >0.5mg/kg so treated storages can still be
1052 used
1053
1054 ~35 in attendance
1055
1056 Submitted by Addie Waxman
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Appendix 15
Certification Section 2019 Meeting Minutes
July 31, 2019

Certification Section of PAA met in conjunction with NPC Seed Certification and Disease Management Committee and the Canada-US Potato Committee Meeting in late November 2018. This meeting was held in Washington DC.

A motion was approved to move the Certification Section checking account under PAA oversight.

Treasurer Kent Sather is working with Dr. Hiller and Angela Richardson to complete that process.

Agenda included PCN/Wart survey updates from US and Canada. Other topics included discussion about trade of tissue culture plantlets and minitubers between the countries, use of North American Health Certificates, and handling of proprietary varieties within agency listings. Initial questions about incorporation of hybridized true seed into the potato certification process were presented.

Limited Generation Table: Minutes indicated that two states, Idaho and Oregon, will be converting their generation system to a Field Year system. And since that time, another two states, North Dakota and Nebraska have initiated the same conversion within their respective states.

Executive Committee:

Chair: Andrew Houser, Colorado
Vice Chair: Gordon Henry, Canada
1st Year Director: Adam Winchester, Nebraska
2nd Year Director: Kay Oakley, Washington
Secretary: Nina Zidack, Montana
Treasurer: Kent Sather, North Dakota

2019 meeting Dec 3-5, likely in Ottawa, following a similar venue.

Respectfully submitted,
Kent Sather

Annual Awards Banquet Minutes
Wednesday, July 31, 2019 in Winnipeg, Manitoba, Canada

1. **Welcome** – President Rich Novy presided over the program of the PAA Awards Banquet which took place the evening of Wednesday, July 31, 2019 in Winnipeg, Manitoba Canada.
2. **Recognitions** – Rich Novy recognized the PAA Board of Directors, special guests, and sustaining members.
3. **Outstanding Paper Award** – Samuel Essah announced that the Outstanding Paper Award for the AJPR in 2018 goes to N. Richard Knowles, Corresponding Author for *Auxin Modulates Gibberellin-Induced Effects on Growth, Yield and Raw Product Recovery for Frozen Processing in Potato (Solanum tuberosum L.)* AJPR 95:622 – 641.
4. **Frank L. Haynes Graduate Student Research Competition Awards** – Paul Bethke reported that 14 students competed in this year's contest. He recognized his fellow committee members:. Five awards were given.

1st place: Natalie Kaiser from Michigan State University

Title: *Fine Mapping Colorado Potato Beetle Host Plant Resistance in Diploid Potato.*

2nd place: Colton Thurgood from Washington State University

Title: *Assessment of Non-traditional Soil and Foliar Additives for Enhanced Potato Yield and Economic Return.*

3rd place (tie): Kirk R. Amundson from the University of California at Davis

Title: *Potato Haploid Induction Crosses Result in Chromosome-scale Introgression from the Haploid Inducer.*

3rd place (tie): Thilani Jayakody from Michigan State University

Title: *Evaluating Regeneration Capability of Selected Diploid Potato Germplasm to Accelerate Diploid Breeding.*

5th place: Brian J. Bohman from the University of Minnesota

Title: *Evaluation of Variable Rate Nitrogen and Reduced Irrigation Management on Nitrate Leaching for Potato*

5. **Recognition of Past and New Honorary Life Members** - Past President Shelley Jansky asked all of the Honorary Life Members (HLM) in attendance to stand and be applauded.
 - a. **Kathleen Haynes** – Melvin R. Henninger nominated Kathleen Haynes,
 - b. **John Nordgaard** – Willem Schrage and Duane Preston nominated John Nordgaard.
 - c. **Nora Olsen** – Gale Kleinkopf nominated Nora Olsen.

- d. **Peter VanderZaag** – Eugenia Banks nominated Peter VanderZaag.
6. **Recognition of 2019 Hosts** – Manitoba LAC co-chairs, Vikram Bisht and Tracey Shinnars-Carnelley were applauded for putting on a great meeting. They were presented with plaques.
 7. **Passing the Gavel** - Out-going President Rich Novy passed the gavel to incoming President Kent McCue. Kent presented Rich with a plaque for his service and the members applauded him.
 8. **Invitation to Attend PAA 2020** –Kent McCue extended an invitation on behalf of the 2020 Montana LAC to the 104th Annual Meeting of the Potato Association of America in Missoula, Montana, USA, July 19-23, 2020.
 9. **Adjourn**

Submitted by Darrin Haagenson, Secretary

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 - a. **Kathleen Haynes** – Melvin R. Henninger nominated Kathleen Haynes,
 - b. **John Nordgaard** – Willem Schrage and Duane Preston nominated John Nordgaard.
 - c. **Nora Olsen** – Gale Kleinkopf nominated Nora Olsen.

- d. **Peter VanderZaag** – Eugenia Banks nominated Peter VanderZaag.
6. **Recognition of 2019 Hosts** – Manitoba LAC co-chairs, Vikram Bisht and Tracey Shinnars-Carnelley were applauded for putting on a great meeting. They were presented with plaques.
7. **Passing the Gavel** - Out-going President Rich Novy passed the gavel to incoming President Kent McCue. Kent presented Rich with a plaque for his service and the members applauded him.
8. **Invitation to Attend PAA 2020** –Kent McCue extended an invitation on behalf of the 2020 Montana LAC to the 104th Annual Meeting of the Potato Association of America in Missoula, Montana, USA, July 19-23, 2020.
9. **Adjourn**

Submitted by Darrin Haagenson, Secretary