



## PROFESSIONAL VITA

### *Phillip G. Mulder, Jr.*

Department of Entomology and Plant Pathology

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### **EDUCATION:**

B.S.	Science Education	Ferris State College, Big Rapids, MI	1978
M.S.	Entomology	Iowa State University, Ames, IA	1981
Ph.D.	Entomology	Iowa State University, Ames, IA	1984

### **SPECIALIZED TRAINING:**

- Division of Agricultural Sciences and Natural Resources Administrative Training. Oklahoma State University. Sixteen hours of intensive training on coordinating university departmental responsibilities. Sponsored by DASNR Human Resources. October 24 – December 12, 2007.
- Optimizing your Financial Leadership Team – Full day seminar dedicated to enhancing trust and effectiveness for all association key financial volunteers and staff. Presentation by Andrew S. Lang, creator and presenter of ASAE’s Financial Management for CEO’s, and Maximizing Nondues Revenue. Eight hours of intensive training on understanding the financial and fiduciary roles of staff and volunteers in strengthening financial communication. May 9, 2008, Washington, DC.
- Executive Briefing. Embezzlement, forgery and lies! Oh My! Executive training on how to evaluate, discover and report fraudulent practices in the workplace. Conducted by Dr. David Bosserman, Vice President for Administration and Finance Oklahoma State University, Kathy Elliott, Associate Vice President and Controller, Oklahoma State

University, Brenna Dixon, Accounting and Forensic Accounting, Oklahoma State University. March 30, 2009.

- The Administrative Puzzle: Making the Pieces Fit. February 2012. Research Administrator's Conference. Oklahoma State University.
- Council of Scientific Society Presidents Meeting. Washington D.C. May 2014. CSSP is a unique association of top science leaders from disciplinary research associations the encompass over 1.25 million researchers in over 150 disciplines. It is the premier national center for science leader development.
- Educators Leadership Academy. Edmond, Oklahoma. May 2014. ELA is a gathering of academic department heads and chairs from across the nation that focuses primarily on training for new, and retooling for existing heads and chairs from a variety of disciplines. The three day workshop is used to provide leadership training in budgetary, personnel, and organizational aspects associated with unit administrative duties.

### **PROFESSIONAL EXPERIENCE:**

- Undergraduate Teaching Assistant, Department of Biology, Ferris State College, Big Rapids, Michigan, 1975-1978.
- Student Teacher, Big Rapids High School, Big Rapids Michigan, 1977-1978.
- Graduate Teaching Assistant, Department of Entomology, Iowa State University, Ames, Iowa, 1978-1980.
- Graduate Research Assistant, Department of Entomology, Iowa State University, Ames, Iowa, 1980-1984.
- Area Extension Entomology Specialist, Department of Entomology, Oklahoma State University, Stillwater, Oklahoma, 1985 -1987, Cordell, OK.
- Area Extension Entomology Specialist, Department of Entomology, Oklahoma State University, Stillwater, Oklahoma, 1987- 1995, Duncan, OK.
- Assistant Professor, Extension Entomologist, Department of Entomology, Oklahoma State University, Stillwater, Oklahoma 1995 to June 2000.
- Associate Professor, Extension Entomologist, Department of Entomology, Oklahoma State University, Stillwater, Oklahoma – Full member of the graduate faculty (granted 2002).
- Professor, Extension Entomologist/Extension Coordinator, Department of Entomology, Oklahoma State University, Stillwater, Oklahoma – (granted 2004).
- Interim Department Head/Professor, Extension Entomologist/Extension Coordinator, Department of Entomology and Plant Pathology, Oklahoma State University, Stillwater, Oklahoma – 90% Extension, 10% Teaching. October 2007 – January 2009.

### **PRESENT ASSIGNMENT:**

- Department Head/Professor, Department of Entomology and Plant Pathology, Oklahoma State University, Stillwater, Oklahoma – 51% Extension. Began January 2009.

### **MEMBERSHIPS IN PROFESSIONAL SOCIETIES:**

- Entomological Society of America (ESA)
- Gamma Sigma Delta - Honor Society of Agriculture
- Oklahoma Pecan Growers Association (OPGA)
- Society of Southwestern Entomologists (SSWE)
- International Society for Pest Information
- American Phytopathological Society (APS)
- Life Member – Oklahoma State University Alumni Association

### **RESEARCH PROGRAMS DIRECTED and GRADUATE COMMITTEE SERVICE:**

- Justin Collins – Ph.D. 1997 Co-Advisor with Dr. Raymond Eikenbary (retired 1995).
- Michael Toews – M.S. 1998 Member of committee. Major advisor Tom Phillips.
- Richard Grantham – Ph.D. 2001 Co-Advisor with Dr. Gerrit Cuperus (retired 2000).
- Michael Toews – Ph.D. 2001. Member of Committee. Major advisor Tom Phillips.
- Brian Jervis – M.S. 2001. Co-Advisor with Dr. Dean McCraw - Horticulture (retired 2004).
- Mary Roduner – M.S. 2001 Co-Advisor with Dr. Gerrit Cuperus (retired 2000).
- Mohammed Al-Saleh, Ph.D. 2004. Member of Committee. Major advisor Hassan Melouk.
- Matthew Stacey, M.S. 2004. Major advisor - Phil Mulder.
- Audrey Sheridan, M.S. 2004. Major advisor – Phil Mulder.
- Peter Edde. Ph.D. 2005. Member of Committee. Major advisor Tom Phillips.
- Kenneth Brown. Ph.D. 2005. Member of Committee. Major advisor Brad Kard.
- Kelly Seuhs – M.S. 2007 Co-Advisor with Dr. Jim Keyes - Agricultural Education.
- Andrine Morrison – Ph.D. 2008. Major advisor Phil Mulder.
- Sarah Donelson – Ph.D. 2011. Major advisor Kris Giles.
- Lisa Overall – Ph.D. 2013. Committee Chair- Phil Mulder; Advisor- Erik Rebek.
- Kenneth Masloski – M.S. 2014. Committee Chair – Phil Mulder, Advisor – Carmen Greenwood.
- Allison Giguere – M.S. 2014. Committee Chair – Phil Mulder, Advisor – Carmen Greenwood.
- Shane Foye – M.S. 2014. Committee Chair – Phil Mulder, Advisor – Carmen Greenwood.
- Cade Morris – M.S. 2015. Co-Advisor with Dr. Brad Kard.
- Theresa Andrew – M.S. 2015. Member of Committee. Major Advisor Wyatt Hoback.
- Tanner Jenkins – M.S. 2015. Member of Committee. Major Advisor Wyatt Hoback.

### **PROFESSIONAL HONORS, AWARDS, RECOGNITION and SERVICE:**

- 1988 Oklahoma Extension Achievement Award - Alfalfa IPM Program, OSU-CES Annual

## Conference

- 1995 Certificate of Appreciation - USDA Contributions of time and expertise as a member of the NAPIAP, Chlorpyrifos Assessment Team.
- 1996 Outstanding Extension/Regulatory Display. Section E, Entomological Society of America National Meetings. Las Vegas, Nevada, 1995.
- 1996 Certificate of Excellence. 1996. Educational Materials Contest. Newsletter Category - Oklahoma Alfalfa Hay and Seed Association. American Society of Agronomy, Extension Division. ASA Annual Meetings, Indianapolis, IN.
- 1996 Certificate of Excellence. Educational Materials Contest. Publication Manuals category - Alfalfa Harvest Management Discussions, with Cost-benefit Analysis. American Society of Agronomy, Extension Division. ASA Annual Meetings, Indianapolis, IN.
- 1997 Service Recognition for continued support of and contributions to the Linnaean Games competition. Presented by student members of the SWB-ESA. Presented at the 45<sup>th</sup> Annual meeting of the Southwestern Branch of the ESA, February 20, 1997.
- 1998 Blue Ribbon Award, American Society for Horticultural Sciences, Southern Region. Extension Publication Award. 1998. Mulder, P.G., B.D. McCraw, W. Reid, and R.A. Grantham. 1997. Monitoring adult weevil populations in pecan and fruit trees in Oklahoma.
- 1998 Certificate of Excellence - American society of Agronomy. 1998 Educational Materials Contest. In recognition for the development of outstanding agronomic educational material in the category of newsletter "Oklahoma Crop Statement". Editors T.A. Royer, P.G. Mulder and J. Stiegler. 19 Oct 1998. ASA Annual Meeting, Baltimore, MD.
- 1999 Herman Hinrichs Pecan Citation Award - Research/Extension Award from the Oklahoma Pecan Growers Association. Presented at the 69<sup>th</sup> Annual Meeting and Show. 14 June 1999.
- 2000 Oklahoma Fruit Growers Association Award of Merit - Research/Extension Award from the Oklahoma Fruit Growers Association. Presented at the 19<sup>th</sup> Annual Horticulture Industries Show. January 7-8, 2000.
- 2001 Service Recognition as Linnaean Games Gamesmaster, Southwestern Branch Entomological Society of America. Presented at the 49<sup>th</sup> Annual meeting of the Southwestern Branch of the ESA February 28 - March 2, 2001.
- 2003 Outstanding Extension/Regulatory Display. Section E, Entomological Society of America National Meetings. Cincinnati, OH, 2003.
- 2004 Southwestern Branch Entomological Society of America, Distinguished Achievement Award in Extension. Lubbock, TX 2004. Southwestern Branch of ESA Award.
- 2004 Entomological Society of America, Distinguished Achievement Award in Extension. Salt Lake City, Utah 2004.
- 2005 Entomological Society of America, Nominated for Vice-President Elect by the Southwestern Branch of ESA.
- 2006 Oklahoma Cooperative Extension Service, Oklahoma State University. Outstanding Team Award – Pecan IPM. Team Leader. 2004 Award received at the 2006 OCES Annual

Conference.

- 2007 Entomological Society of America, Nominated and Elected as Treasurer for a term of three years 2008-2010.
- 2009: Elected Secretary of SAC-12. Southern Region Entomology Department Heads.
- 2010 Southern Region American Society of Horticultural Scientists, Extension Communications “Blue Ribbon Award” for the publication “A pocket guide to Oklahoma Pecan Diseases, Insects, and other Disorders.”
- 2011 Southern Region American Society of Horticultural Scientists, Extension Communications “Blue Ribbon Award” for the publication “Handbook of Oklahoma Vineyard Establishment and Management.”
- 2011: Elected Chair of SAC-12. Southern Region Entomology Department Heads.
- 2013: Vice President-Elect, Entomological Society of America.
- 2014: Vice President, Entomological Society of America.
- 2014: Certificate of Appreciation. Outstanding OK-LSAMP Mentor. Oklahoma Foundation for Excellence – Mentoring Matters.
- 2014: Southern Region Nominee for National Excellence in MultiState Research Award. Project S1049. Integrated management of pecan arthropod pests in the southern U.S. Southern Association of Agricultural Experiment Station Directors.
- 2015: President: Entomological Society of America.
- 2016: Past-President: Entomological Society of America.
- 2016: President: Entomological Foundation.
- 2016: Chair: Entomological Society of America, Science Policy Capabilities Committee.
- 2016: Chair: Entomological Society of America, Science Policy Fellows.

#### **UNIVERSITY COMMITTEES AND SPECIAL ASSIGNMENTS**

- 1987-Present: Alfalfa integrated management (AIM) team. Oklahoma State University.
- 1995-Present: Pecan pest management team. Oklahoma State University.
- 1987-Present: Peanut pest management team. Oklahoma State University.
- 1995-Present: Peach pest management team. Oklahoma State University.
- 1993-Present: Caring for Planet Earth and Insect Zoo Committee. Oklahoma State University.
- 1995-2005: Faculty Advisor - Sanborn Entomology Club, Oklahoma State University.
- 1996-2000: Committee on careers in agriculture. Oklahoma State University.
- 1999-2000: Committee on review of proposals for IPM mini-grants.
- 1999-2009: Extension Program Co-coordinator (Entomology) for the Department of Entomology and Plant Pathology, Oklahoma State University.
- Fall 2003-2005: Agriculture Faculty Council Representative for Entomology.

- Fall 2004-2005: Division of Agricultural Sciences and Natural Resources Faculty Council - Chair.
- Fall 2004: Awards Committee, Department of Entomology and Plant Pathology. Co-Chair.
- Fall 2004-2007: Awards Committee, Department of Entomology and Plant Pathology.
- Fall 2004-2013: Entomological Foundation Board of Counselors. Individual solicitation committee
- Fall 2005: Search & Screen Committee for Department Head, Entomology and Plant Pathology; Member.
- Fall 2006: Search & Screen Committee Chair, for Extension Livestock Entomologist, Department of Entomology and Plant Pathology.
- Fall 2002 through Fall 2007. Member, Reappointment, Promotion and Tenure Committee. Department of Entomology and Plant Pathology, Oklahoma State University. Chair responsibilities started fall 2007. Resigned late fall, 2007 due to assuming responsibility as Interim Department Head.
- Fall 2007 to early 2009: Scholarship and awards committee member. Division of Agricultural Sciences and Natural Resources, Oklahoma State University. Replaced in 2009 due to new assignment as department head.
- Fall 2007 to Present: Outcomes Assessment of Instruction Coordinator. Department of Entomology and Plant Pathology. Oklahoma State University.
- Fall 2014 Chair, Search and Screening Committee for Department Head, Horticulture and Landscape Architecture, Oklahoma State University.

#### **REGIONAL & NATIONAL COMMITTEES, SPECIAL ASSIGNMENTS AND INVITATIONAL PRESENTATIONS:**

- 1993- 1998: Entomological Society of America, Southwestern Branch Awards Committee.
- 1994-Present: Entomological Society of America Southwestern Branch Linnaean Games Committee - Chair (through 2010) and gamesmaster (through present).
- 1995-2009: Entomological Society of America Southwestern Branch Youth Science and Development Committee.
- 1987- 2004: Southern regional project SERA-IEG-7 on arthropods effecting peanuts. Chair,1999.
- 1995- Present: Southern region project on arthropods effecting pecans. Chair, 2000.
- 1999-2003: Entomological Society of America, Committee on Graduate Student Awards for Leadership in Applied Entomology.
- 2003: Program Committee, Southwestern Branch of the Entomological Society of America.
- 1999- 2013: Entomological Society of America, Linnaean Games National Committee; Judge and/or moderator and/or Chair.
- 2000: Invited speaker for ESA Informal Conference: Weevil Pests of Fruit “Implications of trapping weevils in pecan and fruit culture - utilities in IPM.” 2000 Joint Annual Meeting of the Societe d’entomologie du Quebec, The Entomological Society of Canada and the Entomological Society of America. Montreal, Quebec, Canada.

- 2000: Section Symposium E1: “Designing an Ecologically-grounded IPM Game Plan: Development, adoption, and implementation.” Symposium co-organizer and moderator 2000 Joint Annual Meeting of the Societe d’entomologie du Quebec, The Entomological Society of Canada and the Entomological Society of America. Montreal, Quebec, Canada.
- 2001 - 2002: Chair; Public Relations Committee. American Peanut Research and Education Society (APRES). Responsibilities include membership, cooperative relationships, Necrology and resolutions.
- 2002: Invited speaker for ESA Section E Symposium: “Evaluations of a trap design and pheromone formulations for pecan weevil monitoring.” Integration of chemical and biological inset control in native, seedling, and improved pecan production. Annual Meeting of the Entomological Society of America. SanDiego, California.
- 2001 - 2002: Secretary/Treasurer Elect – Southwestern Branch of the Entomological Society of America.
- 2002 - 2003: Secretary/Treasurer - Southwestern Branch of the Entomological Society of America.
- 2003: Symposium organizer and presenter: “New developments in management of pecan nut casebearer in pecan.” Southwestern Branch, Entomological Society of America Meeting. Oklahoma City, OK. Feb. 2003.
- 2003 - 2004: President Elect – Southwestern Branch of the Entomological Society of America.
- 2004 - 2005: President – Southwestern Branch of the Entomological Society of America.
- 2004: Invited speaker for the Department of Primary Industries in Kingaroy, Australia. Peanut Production in Oklahoma and pest management practices. Kingaroy, Australia, 2004.
- 2004: Entomological Society of America, Resolutions Committee, Salt Lake City, Utah, 2004.
- 2005: Invited speaker for the Western Pecan Conference, Las Cruces, New Mexico. Insects attacking stored pecans. March, 2005.
- 2005: Entomological Society of America, Linnaean Games Presidential Committee. Ft. Lauderdale, Florida, 2005. Served as committee member.
- 2005: Entomological Society of America, Section E Representative to the Governing Board, term ended after the ESA Annual Meeting in 2007.
- 2005: Invited speaker for Southwestern Branch of the Entomological Society of America. Status of the Africanized honey bee in Oklahoma. March 2005, Albuquerque, NM.
- 2005: Invited to serve on Review Panel for North Central Region Integrated Pest Management Implementation Grants. St. Louis, MO. April 2005.
- 2005: Invited speaker for the Oklahoma Technology Education Career Tech Centers, Safety and Health Personnel Train the Trainer. Living with the Africanized Honey Bee in Oklahoma. June 2005. Presented 12 presentations for this group during the year.
- 2005: Entomological Society of America, Student Competition Co-Chair, Ft. Lauderdale, Florida, 2005. Asked to serve by President (in 2006) Frank Gilstrap.
- 2006 to present: Editorial Board and Contributing Editor for the ESA publication, The

American Entomologist – Postmarked Extension section.

- 2006: Invited speaker for 40<sup>th</sup> Annual Western Pecan Growers Association Conference. Aphid Management Decisions. Las Cruces, NM. March, 2006.
- 2006: Entomological Society of America, Program Committee Co-Chair, Indianapolis, Indiana, 2006. Asked to serve by President (in 2006) Frank Gilstrap.
- 2006: Invited speaker for Program Symposium at the 55<sup>th</sup> Annual Meeting of the Entomological Society of America, Southwestern Branch. Monitoring vineyards for possible vectors of Pierce's disease in Oklahoma. Corpus Christi, TX. March, 2007.
- 2007: Entomological Society of America, Poster Competition Co-Chair, San Diego, California, 2007. Asked to serve by President (in 2006) Frank Gilstrap.
- 2007: Entomological Society of America, Linnaean Games Presidential Committee. San Diego, California, 2007. Asked to serve as Committee Chair by President (in 2007) Scott Hutchins. Also serving as Gamesmaster for portions of the competition.
- 2007: Entomological Society of America, Program Symposium Presentation for the International Affairs Committee Program Symposium. A better alternative to an International Branch: Empowering an international network to address ESA global interests. San Diego, California, Asked to present by symposium organizers; Rob Hollingsworth and Megha Parajulee.
- 2007: Oklahoma Greenhouse Growers Association. Go Green with OGGGA. Invited to address the group on Africanized Honey Bees in Oklahoma. Oklahoma City, OK.
- 2007: Oklahoma Landscape and Greenhouse Growers Association. Invited to address the group on Africanized Honey Bees in Oklahoma. Ada, OK.
- 2008: Invited speaker for 27<sup>th</sup> Annual Horticulture Industries Show of Oklahoma and Arkansas. Potential emerging pests of Oklahoma grapes. Tulsa, OK. January, 2008.
- 2008: Invited member on Review Panel for North Central Region - Integrated Pest Management Implementation Grants. St. Louis, MO. January, 2008.
- 2008: Invited speaker for Program Symposium at the 56<sup>th</sup> Annual Meeting of the Entomological Society of America, Southwestern Branch. Managing insect pests of pecan in the urban landscape. Ft. Worth, TX. February, 2008.
- 2008: Invited speaker for the Big Bee Buzz and Annual Meeting of the Northeastern Oklahoma Beekeepers Association. Update on the Africanized honey bee in Oklahoma and status of colony collapse disorder in Oklahoma. Tulsa, OK. March, 2008.
- 2008: Invited member on Evaluation Panel for selection of the new Research Leader of Wheat, Peanut, and Other Field Crops Research Unit, USDA-ARS, Stillwater, Oklahoma. May 15, 2008.
- 2008: Invited speaker for National Master Gardener Conference in Oklahoma City. Developing a quiz bowl for challenging the knowledge base of master gardeners. June 19, 2008. Oklahoma City, OK.
- 2008: Invited speaker for Organic crop production meeting and workshop in Oklahoma City. Insect management options in organic farming. October 16, 2008.



- 2009: Invited speaker at the Southwestern Branch of ESA. The Entomological Foundation and attracting youth to entomology. Stillwater, OK. February 24, 2009.
- 2009: Invited speaker for the Imported Fire Ant and Invasive Ant Roundup. Welcome presentation for attendees. April 7, 2009.
- 2010: Invited speaker for a member Symposium at the 58<sup>th</sup> Annual Meeting of the Entomological Society of America. The value of an entomology outreach program at Land-Grant universities. SanDiego, CA. December, 2010.
- 2013: Invited speaker for student symposium: 61<sup>st</sup> Annual Meeting of the Southwestern Branch of the Entomological Society of America Meeting 2013. Graduating? What to expect from future employers. Appropriate skill sets for employment in academia.
- 2015: Invited Panelist for Educators Leadership Academy. Edmond, Oklahoma. May 2015. Served as a Department Head panelist along with University Deans, Provosts, and Presidents to answer questions concerning leadership practices.
- 2015: Presidential Address for introducing the theme and direction for the 2015 Annual Meeting of the Entomological Society of America. Portland, OR.
- 2015: Presidential Address on the state of the 2015 Annual Meeting of the Entomological Society of America for the Southwestern Branch ESA. Tulsa, OK.
- 2015: Presidential Address on the state of the 2015 Annual Meeting and the International Congress of Entomology 2016 meeting for the Eastern Branch ESA. Rehoboth, DE.
- 2015: Presidential Address on the state of the 2015 Annual Meeting of the Entomological Society of America for the Southeastern Branch ESA. Biloxi, MS.
- 2015: Presidential Address on the state of the 2015 Annual Meeting of the Entomological Society of America for the Pacific Branch ESA. Coeur d'Alene, ID.
- 2015: Presidential Address on the state of the 2015 Annual Meeting of the Entomological Society of America for the Northcentral Branch ESA. Manhattan, KS.
- 2015: Presidential Address, Greetings from the ESA, and Grand Challenge Agenda for entomology to the Society of Entomologists in Brazil. Teresopolis, Rio de Janeiro, Brazil. June, 2015.
- 2015: Presidential Address, State of the Society and Annual Meeting Update for the Governing Board of the ESA. July 2015.
- 2015: Presidential Address to ESA Section Leadership. ESA Leadership Direction, Renewing our reconstruction and focus on the future, Part I. Summer Leadership Meeting for the Entomological Society of America. Minneapolis, MN. July, 2015.
- 2015: Presidential Address, Greetings from the ESA, and Grand Challenge Agenda for entomology to the Royal Entomological Society. Dublin, Ireland. September, 2015.
- 2015: Presidential Address, Greetings from the ESA, and Grand Challenge Agenda for entomology to the Union of Japanese Societies for Insect Sciences and the Entomological Society of Japan. Fukuoka, Japan. September, 2015.
- 2015: Presidential Address, Greetings from the ESA, and Grand Challenge Agenda for entomology to the Entomological Society of South Korea. Seoul, South Korea. September 2015.
- 2015: Presidential Address on Integrated Pest Management in pecan. Special Presentation for the Plant Protection College at Shenyang Agricultural University, China. Shenyang City, Liaoning Province, China. September 2015.
- 2015: Presidential Address, Greetings from the ESA, and Grand Challenge Agenda for entomology to the Entomological Society of China. Shenyang City, Liaoning Province, China. September

- 2015.
- 2015: Presidential Address, Greetings from the ESA, and Grand Challenge Agenda for entomology to the Entomological Society of China. Shenyang City, Liaoning Province, China. September 2015.
  - 2015: Presidential Address, Greetings from the ESA and Welcome to Minneapolis for “Transitioning cereal systems to adapt to climate change” Minneapolis, MN November, 2015.
  - 2015: Presidential Report to the Governing Board of the Entomological Society of America. Minneapolis, MN. November, 2015.
  - 2015: Special Presentation for the Entomological Society of America. Program Symposium in Honor of Nan-Yao-Su, How Synergy in Science Led to Innovation. Minneapolis, MN. November, 2015.
  - 2015: Presidential Address, Entomology 2015 Opening Plenary Report from the President. Synergy in Science: Partnering for Solutions. 63<sup>rd</sup> Annual meeting of the Entomological Society of America. Co-located with the Agronomy Society of America, Crop Science Society of America, and the Soil Science Society of America. Minneapolis, MN. November, 2015.
  - 2015: Presidential Address to ESA Section Leadership. ESA Leadership Direction, Renewing our reconstruction and focus on the future. 63<sup>rd</sup> Annual Meeting of the Entomological Society of America. Minneapolis, MN. November, 2015.
  - 2015: Presidential Address to the Entomological Collections Network. Tracking ESA’s Science Policy Initiative: Advocating for Collections. 63<sup>rd</sup> Annual Meeting of the Entomological Society of America. Minneapolis, MN. November, 2015.
  - 2015: Presidential Address to the Plant-Insect Ecosystem Section of ESA. Effective Communication – making our message know to the media and general public. 63<sup>rd</sup> Annual Meeting of the Entomological Society of America. Minneapolis, MN. November, 2015.
  - 2015: Presidential Address, Entomology 2015 Final Report from the President. Synergy in Science: Partnering for Solutions. 63<sup>rd</sup> Annual meeting of the Entomological Society of America. Co-located with the Agronomy Society of America, Crop Science Society of America, and the Soil Science Society of America. Minneapolis, MN. November, 2015.

**GRANTS AND CONTRACTS AWARDED:** Since 1995, I have authored or co-authored over 65 grants, representing over \$6.0 million in potential funding. So far, these grants have resulted in approximately \$4.0 million in research and demonstration funding. Successfully funded projects only: Those denoted by an asterisk indicate grants where major support went to my program. This latter portion represents nearly 3.0 million dollars in funding since 1995. Grants are presented in chronological order. Only successful grants are listed.

- Mulder, P.G., G.W. Cuperus, R.C. Berberet, S. Hunter, R. Keating, J.D. Carlson and J.F. Stritzke. 1994. Use of Mesonet in evaluating a predictive model for alfalfa weevil and its parasites in Oklahoma. OSU-IPM competitive grants program, \$7,000.
- Mulder, P.G., G.W. Cuperus, R.C. Berberet, J.W. Lee, R. Keating, J.D. Carlson and J.F. Stritzke. 1995. Use of Mesonet in evaluating a predictive model for alfalfa weevil and its parasites in Oklahoma. OSU-IPM competitive grants program, \$9,000.
- \* Mulder, P.G., R.L. Huhnke, J.F. Stritzke, J.L. Caddel, C.E. Ward, R.C. Berberet and G.W.

- Cuperus. 1995. Mechanical versus chemical management of alfalfa weevil-an integrated approach. OSU-IPM competitive grants program, \$9,000.
- McCraw, B.D., J.D. Carlson and P.G. Mulder. 1995. Demonstration of an integrated pest management (IPM) program for peaches utilizing the Oklahoma Mesonet. OSU-IPM Competitive grant program, \$8,800.
  - \* Mulder, P.G. 1995. Peanut Insecticide evaluations for insect control in Oklahoma. Industry grant in aid support, \$8,000.
  - \* Mulder, P.G. and M. Smith. 1995. Pecan insecticide evaluations for insect control in Oklahoma. Industry grant in aid support, \$2,000.
  - \* Mulder, P.G. and E.G. Krenzer. 1995. Wheat seed treatment evaluations for insect control. Industry grant in aid, \$1,750.
  - \* Mulder, P.G. 1996. Peanut Insecticide evaluations for insect control in Oklahoma. Industry grant in aid support, \$10,000.
  - McCraw, B.D., J.D. Carlson and P.G. Mulder. 1996. Demonstration of an integrated pest management (IPM) program for peaches utilizing the Oklahoma Mesonet. OSU-IPM Competitive grants program, \$8,800.
  - \* Mulder, P.G. and M. Smith. 1996. Pecan insecticide evaluations for insect control in Oklahoma. Industry grant in aid support, \$8,000.
  - \* Mulder, P.G. and M.W. Smith. 1997. Pecan insecticide evaluations for insect control in Oklahoma. Industry grant-in-aid support, \$3,000 (Entomology), \$1,500 (Horticulture).
  - McCraw, B.D., J.D. Carlson, and P.G. Mulder. 1997. Demonstration of an integrated pest management (IPM) program for peaches utilizing the Oklahoma Mesonet. OSU-IPM competitive grants program, \$6,000. One year plus carryover.
  - Berberet, R.C., J.F. Stritzke, C.E. Ward, J.L. Caddel and P.G. Mulder. 1997. Adopting pest management as an essential part of crop production systems. USDA/CSREES/Southern region IPM grant, \$79,875. Duration 1999.
  - \* Mulder, P.G. 1997. Peanut Insecticide evaluations for insect control in Oklahoma. Industry grant in aid support, \$12,000.
  - \* Mulder, P.G. 1997. Evaluating trap design and pheromones in monitoring pecan weevil populations. Noble Foundation Grant, \$9,000-1996 and \$7,000-1997, plus carryover.
  - \* Mulder, P.G. 1998. Peach insecticide evaluations for insect control in Oklahoma. Industry grant- in-aid support, \$2,000.
  - \* Mulder, P.G. 1998. Alfalfa insecticide evaluations for insect control in Oklahoma. Industry grant- in-aid support, \$7,500.
  - \* Mulder, P.G. 1998. Peanut Insecticide evaluations for insect control in Oklahoma. Industry grant in aid support, \$5,000.
  - \* Mulder, P.G. and M.W. Smith. 1998. Pecan insecticide evaluations for insect control in Oklahoma. Industry grant-in-aid support, \$4,000 (Entomology), \$2,000.(Horticulture).
  - McCraw, B.D., J.D. Carlson, and P.G. Mulder. 1998. Demonstration of an integrated pest

- management (IPM) program for peaches utilizing the Oklahoma Mesonet. OSU-IPM competitive grants program, \$5,000. One year plus carryover.
- Carlson, J.D. B.D. McCraw, P.G. Mulder, K. Livesay, G. Carter, T. Blackburn. 1999. Oklahoma targeted research initiative program (TRIP) Investigation of the meteorology within peach orchards and the effectiveness of various freeze protection measures, \$5,000. Duration 2001.
  - Johnson, D.B., B. Boozer, W. Foshee, C.Gorsuch, D.Horton, D.Layne, D. Linvill, B. McCraw, J. McVay, W. Miller, R. Mizell, P.G. Mulder, J. Popp, H.Scherm and K. Striegler. 1999. Improving pest and disease monitoring and demonstrating integrated pest management in peaches. USDA/CSREES/Southern Region IPM grant, \$215,357. Duration 2001.
  - \* McCraw, B.D., M. Smith, G.W. Cuperus, P.G. Mulder, J.T. Criswell, S.L. vonBroembsen and D. Lalman. 1999. Demonstration of a sustainable integrated production system for native pecan and beef cattle producers and its effect on ecology in flood prone areas. Southern Region SARE/ACE Program grant, \$210,188. Duration 2001.
  - \* McCraw, B.D., P.G. Mulder and R.J. Schatzer. 1999. Importance of organophosphate insecticides in fresh market peach IPM programs. USDA/CSREES/NAPIAP grant, \$22,057.
  - \* Mulder, P.G. 1999. Peanut Insecticide evaluations for insect control in Oklahoma. Industry grant-in-aid support, \$12,500.
  - \* Mulder, P.G. 1999. Pecan insecticide evaluations for insect control in Oklahoma. Industry grant-in-aid support, \$8,500.
  - \* Mulder, P.G. 1999. Alfalfa insecticide evaluations for insect control in Oklahoma. Industry grant-in-aid support, \$10,500.
  - \* Mulder, P.G. and J.T. Criswell. 1999. Measuring adoption of IPM practices and the socioeconomic implications for Oklahoma alfalfa growers. USDA-CSREES Integrated pest management program grant, \$25,000.
  - Royer, T.A., P.G. Mulder and J.H. Stiegler. 1999. The Oklahoma Crop Statement. A proposal for the 2000 Oklahoma integrated pest management program, \$13,680.
  - McCraw, B.D., P.G. Mulder and S. Gray. 2000. An intensive extension educational program to deliver integrated pest management to Oklahoma pecan producers. A proposal for the 2000 Oklahoma integrated pest management program, \$4,970.
  - \* Mulder, P.G. 2000. Peanut Insecticide evaluations for insect control in Oklahoma. Industry grant-in-aid support, \$5,500.
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### **EXTENSION PRESENTATIONS:**

While employed as an Area Entomologist (1985-1995), it was common to make up to 130 formal extension presentations per year. In that environment you are called upon to cover the entire gamut of entomological programming. After arriving in Stillwater in 1995, the number of calls and consultations remained similar for the first few years, with presentations remaining at a high to medium level (50-100 per year); however, in order to prioritize productivity for my future within the department, program development became more important. I continued to provide presentations to any clientele that asked; but consequently had more team members to help lighten the load. During my 32 years with Oklahoma State University, I have made over 2,500 formal presentations in just about every format, on nearly every entomological subject imaginable, and with nearly every type of audience imaginable. In addition, I have served as co-author on hundreds of student presentations. This list is too extensive to provide in a vita.

As an extension specialist I was also called upon to maintain a steady stream of news releases to the educators and the general public concerning pertinent and timely arthropod pest related problems. I have done this thoroughly in my tenure with OSU through multiple newsletters and other avenues including Hexapod Happenings (self-initiated in Cordell, OK in 1985), Area Agents Newsletter (Initiated with the team of Area Specialists in Duncan, OK in 1989), The Crop Statement (Initiated with Dr. Tom Royer in Stillwater, OK in 1998), and the Pest e-Alerts (formerly Plant Disease and Insects Newsletter - Electronic version initiated with Dr. Richard Grantham in Stillwater, OK in 2001). In addition to these various newsletter contributions, I have provided countless numbers of radio and television interviews throughout the state and nation, specifically on arthropods of farm, home, and garden. I still submit timely news releases to the Pest e-Alerts. Our department maintains a website, facebook page, and I have a twitter account ( @CowboyBugHead ).

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#### **Administrative Functions** – (Chronological Order)

- 1985 to 1995: As an area entomologist responsible for primarily program delivery, educational programs and demonstration of principles of IPM, I managed summer employees in field research and worked with station personnel at Oklahoma Agriculture Experiment Stations across the state.
- 1995 to 2007: As state specialist with multiple duties on agricultural and horticultural crops across the state I have managed nearly 12 different hourly employees, supported on various grant accounts.
- 1998 to 2013: Hired, trained and supervised one technician, Mr. Kelly Seuhs, and managed his financial support, mostly on grant-in-aid funds. In 2014, Mr. Seuhs, obtained the rank of non-tenure track faculty within the Department of Entomology and Plant Pathology.
- 1997 to 2009: Served as Extension Coordinator for the department to manage and coordinate in-service training and specialized program delivery for entomology and plant pathology.
- October 2007 to January 2009: Served as Interim Department Head for Entomology and Plant Pathology. During this assignment I hired four new tenure track faculty, two non-tenured faculty and three staff members. We successfully submitted three faculty members for promotion to professor. In addition, I provided the upper administration with departmental review materials, conducted annual appraisals of all faculty and staff, served as Outcomes Assessment Coordinator for the department (completely developing new assessment tools for use in the department), served as Extension Coordinator for a May 2008 In-Service for Eastern Oklahoma OCES Educators, and dealt with a multitude of day-to-day or week-to-week situations on personnel, infrastructure, internal audits, and programming. In spite of these duties and thanks in large part to my technician (Mr.

Seuhs) and our great office staff, I continued to keep my teaching, extension, and research projects active and provided an open-door and direct-line access policy to all Administration, Faculty, staff, students and clientele.

- January 2009 to Present: Currently serve as Department Head for Entomology and Plant Pathology and continue to oversee and coordinate the same functions listed above in the Interim capacity. I have said farewell to several faculty (departures and retirements) and hired three new faculty, one of which subsequently departed. I have also reclassified two technical support specialists as non-tenure track faculty. In 2009, I completed a five year academic program review for all degree programs within the department and having done a second round for three of them. I am currently assembling the second one for our B.S. degree. Previous program reviews were approved by the Provost and Board of Regents. I have continued the process of mentoring new faculty and also continuing to develop mechanisms to preserve and grow our undergraduate program in entomology. We increased enrollment substantially in 2008 (133%) and again in 2009 (86%). The last report on our five year academic review for our undergraduate program (due in 2017) shows an 86.4% increase in enrollment during that timeframe. We anticipate a steady increase in the coming years resulting in over 50 undergraduate majors by fall of 2017. We have developed a strategy not only for steady recruitment, but for retention of these undergraduate students, including a new experiential/capstone course in entomology that involves faculty across the entire department, regardless of discipline. Undergraduates have been actively involved in the department; attending seminars, participating in outreach, working in laboratories and interacting socially with each other and the graduate students during meetings of the Sanborn Entomology Club. The club has been more directed to entomologists and since we do not have an undergraduate program in plant pathology, a new graduate student association has been formed. This association addresses more issues related to graduate education and is inclusive of both disciplines within the department. In conjunction with our undergraduate teaching faculty, we developed a new offering with widespread appeal to education majors; “Entomology for Educators”, which was taught for the first time in Fall 08. I provided lectures for this new class. Evaluations were excellent from the students and the team teaching concept worked tremendously thanks to the coordinating efforts of Dr. Jack Dillwith. We enrolled another full section in fall 2009 and Dr. Andrine Shufan, our Outreach Coordinator took responsibility for the class. Student evaluations have been excellent but enrollment issues have arisen as this class has not been offered for the past two years. We have also initiated an “Introduction to Research” class that I oversee which helps new, incoming students (freshmen and transfers) to learn about our science, our faculty, and our professional society. Through a series of faculty led visits, field trips and laboratory visits students get exposure to a wide range of entomological programs within and outside the department. In the research arena, we have undergone some significant facelifts over previous years; obtaining new centrifuges in many laboratories and in common-use areas. Much of this success was due to the efforts of Dr. Jeanmarie Verchot who wrote an extensive intramural infrastructure grant for this project. Likewise, thanks to an influx of additional infrastructure monies from OAES, new autoclaves were installed throughout

the department. Laboratory modifications have also occurred in common use areas to create BSL-2 facilities for several researchers in both wings. In addition, the NIMFFAB team moved to the new Henry Bellmon Science Building in spring of 2010. Working in conjunction with upper administration and various departments within DASNR, we developed plans for utilization of the existing space in the Noble Research Center that can accommodate projects, centers, and teams that are lacking adequate facilities. Outside the immediate campus environment, considerable modifications have taken place including; roof replacement on two off-campus buildings. In addition, carryover funds from our OCES Capitol improvement Grant provided a reconstructed road from the small parking lot of the Med/Vet building to the coral system on the south side. Dr. Rebek has provided funding to support renovation of the Annex Building behind the Med/Vet building and Dr. Talley constructed specialized deer retention areas for their studies. These facilities have since been decommissioned. In 2009, we obtained considerable support (\$230,000) for renovation and core facility program improvements from the office of the VPR at OSU. This allowed us to increase capacity for rearing ticks for OSU researchers and other customers across the world and also provided sorely needed equipment for the veterinary school and our department to conduct tick research. Based on contributions from the same program, Dr. Opit was able to renovate the Stored Products Research and Extension Center. This grant (\$164,431) provided the opportunity for our stored products research team to expand its capabilities in laboratory and field environments. Beginning in 2009, Dr. Andrine Shufran and I began a dialogue with an avid insect collector located in New Jersey who was seeking to sell his lifelong collection of arthropods to help save his home and provide a nest egg for his family. Throughout most of 2009 and into 2010, our team located a total of \$110,000 from various sources to obtain this tremendous collection appraised at \$350,000. This collection has already been widely used in our outreach and teaching programs to enhance our capabilities. We plan to expand the research capacity in the coming years to enrich systematic studies with much of this same collection.

In 2012, we conducted an extensive academic retreat to focus efforts on growing the entomology undergraduate program while directing our program in a more concerted effort to service both disciplines. This resulted in a focused effort in recruitment and retention of undergraduates. It also resulted in modification of our undergraduate options in entomology. While we still have the insect biology and ecology option, we subsequently requested and received a split of our second option in bioforensic, pre-medicine, pre-veterinary. Beginning in fall 2014, the bioforensics option stands alone and we have developed a more specific curriculum to address students' needs in this area (including Forensic Entomology and Criminalistics). We also constructed the pre-med/pre-vet option into a 3+1 opportunity for students that were capable of entering into a professional school early. This allows them the opportunity to begin that professional school experience early and one year later obtain their B.S. degree from our program. In 2013, we also turned the second semester of our experiential/capstone course into a laboratory rotation opportunity for our undergraduates. This allows our students to experience several laboratory and/or field opportunities for a semester-long timeframe and essentially see how well they might fit into various programs for a capstone research



experience or temporary job assignment. The bioforensics option also allows us to funnel students in the animal direction toward the OSU/Tulsa Forensics Science M.S. program or in the plant direction toward our own National Institute for Microbial Forensics, Food, and Agricultural Biosecurity (NIMFFAB), which is predominantly a plant pathology program. This strategy has resulted in a significant increase in higher quality undergraduate majors. Finally, we developed an electronic tracking system for all undergraduate students that helps us to see their development more clearly and identify stumbling blocks that may delay academic progress. In 2014, we offered a regional conference in Oklahoma City on Invasive Species that attracted nearly 100 participants from across the United States. This conference, led by our departmental extension team, was offered in conjunction with three other departments and addressed invasive insect, plant and vertebrate species that have encroached into Oklahoma and surrounding states. Starting in 2016, our Extension team also began development of “EPP Essentials” a modular training program on the basics of entomology and plant pathology. This year long in-service offering for our county extension educators will provide them with one full day of training on our two disciplines and eventually evolve into more program-specific modules on commodities and certain areas where they commonly receive questions.

In 2016 we exceeded 45 undergraduate majors in entomology, released our inaugural newsletter to our alumni and friends, and invited a group of alumni, industry, and business folks to campus as our first Department Advisory Committee. These eleven individuals met with us throughout the day to hear from me and faculty concerning our various programs and where we see the priorities for our department, in light of challenging budget times. I spent the last hour and one-half of that meeting with just the Advisory Committee to focus on where they thought we might go to continue our growth in meeting the land-grant mission.