

CURRICULUM VITAE

Lawrence Michael Hanks (LMH)

Professor, Dept Entomology
University of Illinois at Urbana-Champaign (UIUC)
Urbana, IL 61801
hanks@illinois.edu
<http://www.life.illinois.edu/hanks/>

Personal History and Professional Experience

Educational background

BS (1978) Dept Entomology, University of California, Davis
MS (1982) Dept Biology, University of Nevada, Reno. RW Rust, advisor
PhD (1991) Dept Entomology, University of Maryland, College Park. RF Denno, advisor

List of academic positions since final degree

Postdoctoral (1989-1993) Univ. of California, Riverside. TD Paine and JG Millar, supervisors
Assistant Research Entomologist (1994-1996) Univ. of California, Riverside
Assistant Professor of Entomology (1996-2003) UIUC
Associate Professor of Entomology (2003-2008) UIUC
Professor of Entomology (2008-present) UIUC

Affiliations

Affiliate Professional Scientist, Illinois Natural History Survey (1997-present)
Affiliate faculty, Program in Ecology, Evolution, and Conservation Biology, UIUC (1998-present)
Professor, Dept Natural Resources and Environmental Sciences, UIUC (1998-present)
Affiliate, Faculty of the Environment, UIUC (1998-present)

Other professional employment

Consultant to a forestry protection group representing Portuguese paper companies (CELPA), (1995-2000)

Honors, Recognitions, and Outstanding Achievements

Elected a member of Phi Kappa Phi (1982)
Elected a member of Gamma Sigma Delta (1996)
Research program with TD Paine and JG Millar cited in President Richard Atkinson's Report to the Board of Regents, Univ. California (1996)
Elected to full membership of Sigma Xi (1999)
Recognition Award in Urban Entomology, North-central Branch, Entomological Society of America (Entomological Society of America; 2000)
National Recognition Award in Urban Entomology, Entomological Society of America (2000)
Biological control program with TD Paine and JG Millar cited in USDA Science and Impact, Benefits from the USDA-Land Grand Partnership Report (2001)
Awarded designation as Helen Corley Petit Scholar, College of Liberal Arts and Sciences, UIUC (2002)

Research featured in article “Benefits of Insectary Plants” on *In Focus*, USDA-CSREES web site (2005)

Research featured in article “Using ‘floral resource plants’ to favor biocontrols” in *HortIdeas* 22: 64

List of Teachers Ranked as Excellent, UIUC (2000 – 2017): 11 semesters, and ranked “outstanding” for three semesters of the course Introduction to Entomology (taught annually from); five semesters for the course Fundamentals of Insect Pest Management (taught in alternate years)

Research with JG Millar highlighted in the 2009 Annual Report of the University of California Statewide Integrated Pest Management Program.

Grant Support

USDA National Institute of Food and Agriculture

Millar JG, LMH. “Mixed signals: Why do host volatiles strongly synergize pheromones of some cerambycid beetles but not others?” Award number 2012-67013-19303; \$491,206 (2012-2015)

LMH, JG Millar. “Is pheromone-free space a critical factor in the establishment of exotic insects?” Award number 2015-67013-23173; \$454,422 (2015-2018)

USDA Natl Research Initiative - Arthropod and Nematode Biology and Management

LMH (PI), TD Paine, JG Millar. “Does the impact of a parasitoid depend on host plant vigor?”, Agreement #95-37312-1633; \$112,000 (1995-1997)

Millar JG (PI), TD Paine, LMH. “Ecological mechanisms mediating invasion of an exotic pest insect”; \$200,000 (1999-2002)

LMH (PI), CS Sadof. “Conservation biological control in ornamental landscapes”, Agreement #99-35316-7850; \$158,404 (1999-2001)

LMH (PI), CS Sadof. “Augmenting floral resources for conservation biological control in ornamental landscapes”, Agreement #2001-35316-11275; \$288,228 (renewal of 1999 NRI grant; 2001-2004)

LMH (PI), JG Millar. “Mating strategies and pheromone chemistry in the Cerambycidae”, USDA/CSREES Grant No. 2006-35302-17457; \$345,000 (2006-2008)

LMH (PI), JG Millar, JD Barbour. “Do pheromones of cerambycid beetles influence behavior across multiple trophic levels?”, USDA/CSREES Grant No. 2009-35302-05047; \$445,900 (2008-2011)

USDA Forest Service

LMH (PI), TM Poland, R Haack. “Influence of environmental stress on tree resistance to Asian Longhorned Beetle”, Agreement #01-JV-11231300-088; \$45,000 (2001-2002)

LMH (PI), TM Poland, R Haack. “Semiochemicals of the emerald ash borer”, Agreement #03-JV-11231300-091; \$50,000 (2003-2005)

USDA-Agricultural Research Service

Smith MT, LMH. “Native natural enemies of native wood borers: Potential biological control agents of the Asian longhorn beetle and other invasive wood borer species”, Agreement #58-1926-3-339; \$49,000 (2003-2005); \$21,000 (2005-2006)

USDA, Animal and Plant Health Inspection Service

Millar JG (PI), LMH: \$132,736 (2009-2010); \$132,000 (2010-11), \$136,000 (2011-2012), \$138,000 (2012-2013) \$140,000 (2013-2014), \$152,000 (2014-2015), \$162,000 (2015-2016), \$190,218 (2016-2017)

USDA-CSREES North Central Region Integrated Pest Management Center

LMH (PI), “Using host plant volatiles to optimize pheromone monitoring systems for exotic and invasive cerambycid beetles”; \$74,788 (2011-2012)

USDA Western IPM Center

Barbour JD (PI), as a cooperator. “Identification of a sex pheromone of *Prionus californicus*, and its potential use in management of hop”; \$44,000 (2004-2006)

Barbour JD (PI), JG Millar, LMH. “Development of a female-produced sex pheromone for managing *Prionus californicus* in hop”; \$154,035 (2007-2010)

USDA Sino-American Collaborative Research Program.

LMH (PI), KN Paige, A Yulin. “Molecular genetics of Asian longhorned beetle: introduction, invasion, and spread in North America”; \$48,000 (2000-2001)

State agencies

Univ. California Statewide IPM Project. LMH (PI), TD Paine, JG Millar. “Establishment and evaluation of a biological control program against the eucalyptus snout beetle, *Gonipterus scutellatus* Gyll.”; \$59,000 (1995-1997)

Univ. California Exotic/Invasive Pests and Diseases Program. JG Millar (PI), LMH. “Developing pheromone-based detection methods for exotic cerambycid beetles”, USDA/CSREES Grant No. 2004-34439-14691; \$156,141 (2004-2007)

Illinois Forestry Development Council. LMH: “Managing Asian longhorned beetle using host plant resistance”; \$14,108 (1999-2000)

Illinois Dept Natural Resources, Division of Natural Heritage. L Solter (PI), LMH, M McManus, J Cate: “Nematode control agents against Asian longhorned beetle”; \$4,400 (2000)

Private agencies**Alphawood Foundation (formerly WPWR-TV Channel 50 Foundation), Chicago.**

LMH. “Minimizing the impact of Asian longhorned beetle by managing host tree stress.” \$46,738 (1999-2002)

LMH. “Predicting environmental stress in street trees for managing Asian longhorned beetle”; \$85,720 (2000-2002), \$64,472 (2002-2004), \$49,147 (2004-2005); \$50,038 (2005-2006); \$53,745 (2006-2007)

LMH. “The mediating influence of host plant volatiles on response of longhorned beetles to sex pheromones”; \$50,664 (2007-2008), \$60,000 (2009-2010); \$67,581 (2010-2011); \$68,262 (2011-2012), \$68,835 (2012-2013), \$72,160 (2013-2014), \$73,427 (2014-2015), \$74,020 (2015-2016), \$74,077 (2016-2017)

Horticultural Research Institute. JC Sellmer, K Hoover (PI), LMH. “Characterizing the host range specificity of Asian longhorn beetle to popular landscape trees and cultivars”; \$20,000 (2000)

International Society of Arboriculture.

LMH. “Inter-relationships between structure of ornamental landscapes, environmental stress of trees, and outbreaks of plant-feeding arthropods”; \$7,842 (2001-2002)

LMH. “Evaluating floral attractants of parasitic insects to improve regulation of plant-feeding pests”; \$24,856 (2005-2006)

UIUC Research Board

- LMH. “Reproductive strategies of wood-boring beetles: relative importance of host volatiles and pheromones”; \$25,000 (1997-1998)
- LMH. “Enhancing biological control by manipulating natural enemies with floral resources”; \$15,713 (2001-2002)
- Alleyne M, LMH, RN Wiedenmann. “Interactions between native and exotic parasitoids attacking the native evergreen bagworm in Central Illinois”; \$8,338 (2003-2004)
- LMH. “Evaluation of solid phase microextraction for identifying contact pheromones of longhorned beetles”; \$8,410 (2003-04)
- LMH. “Pheromone systems of cerambycid beetles of Africa”; \$4,750 (2014).

Invited Conference and Symposium Presentations (ESA = Entomol Soc Am; ISCE Internatl Soc Chem Ecol)

- LMH, RW Rust. Annual symposium, Ecol Res Soc, Dept Biol Sci, California State Univ, Sacramento, CA (III 1982)
- LMH, RW Rust. Desert pollination ecology symposium, Tucson, AZ (VI 1982)
- LMH. Symposium: Biology of habitat-related population variations: Evolution and ecology of immigrant species. Natl meeting ESA, Reno, NV (XII 1986)
- LMH, RF Denno. Symposium: Biosystematics of Homoptera: Sternorrhyncha. Natl meeting ESA, Boston, MA (XI 1987)
- LMH, RF Denno. Symposium: Genetic diversity and pest management. Natl meeting ESA, Louisville, KY (XII 1988)
- LMH, RF Denno. Symposium: Host plant variation and genetic differentiation in natural insect populations. Annual meeting Ecol Soc Am, Knoxville, TN (VIII 1994)
- LMH. Entomol Soc So Calif, Acadia, CA (VI 1995)
- LMH. Dept Entomology, Univ. California at Riverside (two seminar presentations; V 1996)
- Millar, JG, TD Paine, C Campbell, LMH. First California conference on biological control, Clark Kerr Center, Univ California Berkeley (VI 1998)
- LMH, TD Paine, JG Millar. Symposium: Ecology and management of introduced arthropod pests of Eucalyptus. XX Internatl Cong Entomol, Firenze, Italy (VIII 1996)
- LMH. Symposium: Advances in urban landscape pest management. Natl meeting ESA, Louisville, KY (XII 1996)
- Paine TD, JG Millar, TS Bellows, LMH. Symposium: Advances in urban landscape pest management. Natl meeting ESA, Louisville, KY (XII 1996)
- LMH. Symposium: Asian longhorned Beetle, *Anoplophora glabripennis*, in North America-A tale of two cities: Facts and fallout. Annual meeting Eastern Branch ESA, Virginia Beach, VA (II 1999)
- LMH. Symposium: Exotic pests: New opportunities for classical biological control in the Midwest. Annual meeting North-central Branch ESA 1999, Des Moines, IA (III 1999)
- Natl meeting ESA, Atlanta, GA (XII 1999)**
- Paine T, J Millar, K Luhring, LMH. Formal conference: Arthropod pests of ornamental crops
- LMH. Symposium: Sternorrhyncha
- Annual meeting North-central Branch ESA, Minneapolis, MN (III 2000)**
- LMH. Symposium: Advances in landscape integrated pest management.
- LMH. Symposium: Invasive species and biocontrol
- XXI Internatl Congr Entomol, Iguassu Falls, Brazil (VIII 2000)**

- Paine TD, K Luhring, JG Millar, LMH. Symposium: Pest management in Eucalyptus plantations
- Millar JG, LMH, TD Paine. Symposium: Pest management in eucalyptus plantations
- Natl meeting ESA**, Montreal, Canada (XII 2000)
- LMH. Symposium: Asian longhorned beetle—Status of research and eradication.
- Ellis JA, LMH. Formal conference: New frontiers in ornamental plant and turfgrass pest management
- LMH. Symposium: Manipulating habitat complexity to manage insect populations
- USDA Interagency Research Forum on Gypsy Moth and Other Invasive Species**, Annapolis, MD (I 2001)
- Solter L, M Keena, J Cate, M McManus, M Higgs, LMH
- LMH
- Joyce AL, JG Millar, TD Paine, LMH. First Internatl Symposium on biological control of arthropods, Honolulu, Hawaii (IX 2001)
- LMH, KN Paige, MD Ginzel. USDA Interagency Research Forum on Gypsy Moth and Other Invasive Species, Annapolis, MD (I 2002)
- Natl meeting ESA**, Fort Lauderdale, Florida (XI 2002)
- Alleyne M, JA Ellis, RN Wiedenmann, LMH. Formal conference: Arthropod pests of ornamentals and turfgrass.
- Rebek EJ, CS Sadof, LMH. Formal conference: Arthropod pests of ornamentals and turfgrass.
- LMH, CS Sadof. Formal conference: The ecological basis of conservation biological control of Insect Pests.
- LMH, MD Ginzel, KN Paige. Annual USDA Interagency Research Forum on Gypsy Moth and Other Invasive Species, Annapolis, MD (I 2003)
- Bennett AB, CS Sadof, LMH. Symposium: Management alternatives in ornamental entomology. Annual meeting North-central Branch ESA, Madison, WI (III 2003)
- Tooker JF, LMH. Mini-Symposium, Annual meeting Phytochemical Society of North America, Peoria, Illinois (VIII, 2003)
- Rebek EJ, CS Sadof, LMH. Symposium: Alternative management practices for turf ornamental pests. Natl meeting ESA, Cincinnati, OH (X 2003)
- LMH. Annual USDA Interagency Research Forum on Gypsy Moth and Other Invasive Species, Annapolis, MD (I 2004)
- LMH. Symposium to honor Mark McClure. Eastern Branch ESA, New Haven, CT (III 2004)
- Symposium: Conserving natural enemies in urban and agricultural landscapes**; annual meeting North-central Branch ESA, Kansas City, MO (III 2004)
- Bennett AB, CS Sadof, LMH
- Rebek EJ, CS Sadof, LMH
- LMH. Symposium: Ecological management of global forests in a changing world. Internatl Congr Entomol, Brisbane, Australia (VIII 2004)
- LMH. Conference on wood-boring insects, IPM Center, USDA CSREES, Southern Region Pest Management Center, Orlando, FL (XI 2004)
- Symposium: Semiochemistry and behavior of cerambycid beetles**; natl meeting ESA, Salt Lake City, Utah (XI 2004)
- LMH
- Barbour JD, D Cervantes, LMH, JG Millar
- Lacey ES, JG Millar, MD Ginzel, LMH

- Millar JG, LMH, MD Ginzel, ES Lacey
 Sweeney J, P Silk, J Millar, LMH. SERG Internatl and Canadian Forest Service Workshop—
 Forest pests and sustainable forest management in Canada 1994-2014. Fredericton, New
 Brunswick, Canada (II 2005)
- Symposium: variations on a theme-Biological control**; annual meeting North-central branch
 ESA, West Lafayette, IN (III 2005)
 Reigel PF, ES Lacey, JF Tooker, MD Ginzel, MT Smith, RW Fuester, LMH
 Moser SE, M Alleyne, LMH, R Wiedenmann
 LMH. Fall 2005. Conference, Illinois Association of Community College Biologists, Allerton
 Park, IL (X 2005)
- Millar, JG, LMH, J Moreira, ES Lacey, A Ray, J Barbour. Exotic/invasive pests and diseases
 research program workshop, Univ. California, Davis CA (X 2005)
- LMH, JG Millar, JD Barbour, ES Lacey. Symposium: Developing ecosystem-oriented
 approaches for managing turfgrass and ornamental pests, Natl meeting ESA, Ft. Lauderdale,
 FL (XII 2005)
- LMH, JG Millar, JD Barbour. USDA Interagency Research Forum on Gypsy Moth and Other
 Invasive Species, Annapolis, MD (I 2006)
- Cervantes DE, LMH, JG Millar, ES Lacey, JD Barbour. Symposium: Chemical ecology-
 Discoveries and applications in the Pacific states. Pacific Branch meeting ESA, Maui, Hawaii
 (III 2006)
- LMH. Internatl Society of Arboriculture, Minneapolis, MN (VIII 2006)
- Millar JG, LMH. Univ. California Exotic/Invasive Pests and Diseases Research Program
 Workshop, Riverside, CA (X 2006)
- Symposium: Semiochemicals mediating behavior of cerambycid beetles**; natl meeting ESA,
 Indianapolis, IN (XII 2006)
 Barbour JD, DE Cervantes, ES Lacey, JG Millar, LMH
 LMH, JG Millar, JD Barbour, ES Lacey, AM Ray
 Lacey ES, AM Ray, JA Moreira, JG Millar, LMH
 Ray AM, LMH
 Rutledge CE, ES Lacey, AM Ray, JA Moreira, JG Millar, LMH
- Millar JG, LMH, JA Moreira, ES Lacey, A Ray, J Barbour. Poster, CSREES, USDA Awardee
 workshop at the Gordon Conference on plant-herbivore interactions, Ventura, CA (II 2007)
- Millar JG, JA Moreira, E Lacey, LMH. 4th Asia-Pacific Conf Chem Ecol, Tsukuba, Japan (IX
 2007)
- LMH, JG Millar. CSREES-USDA Applied biology and genomics awardee workshop, natl
 meeting ESA, San Diego, CA (XII 2007)
- Rebek EJ, CS Sadof, LMH. Symposium: Influence of resource availability on interactions
 between herbivores and their natural enemies, Southwestern Branch meeting ESA, Fort
 Worth, TX (II 2008)
- Millar JG, LMH, ES Lacey, JD Barbour, JS McElfresh. Symposium: Impacts of insects on forest
 landscapes: implications for forest health management, Internatl Cong Entomol, Durban,
 South Africa (VII 2008)
- Symposium: Semiochemicals that mediate behavior of cerambycid beetles**; natl meeting
 ESA, Reno, NV (XI 2008)
 Millar JG, JA Moreira, LMH, JD Barbour, JS McElfresh
 Barbour JD, JG Millar, LMH, J Rodstein

- LMH, JG Millar, JD Barbour, ES Lacey, AM Ray
Ray AM, JG Millar, LMH
- Barbour JD, JG Millar, J Rodstein, LMH. Hop Research Council, Palm Springs, CA (I 2009)
- Millar JG, LMH, JD Barbour. Symposium: Chemical ecology-based pest management: 50 years after the first pheromone synthesis. Annual meeting Pacific Branch ESA, San Diego, CA (III, 2009)
- Millar JG, LMH, JD Barbour. Symposium: Pheromones: Synthesis and perception. ISCE, Neuchatel, Switzerland (VIII 2009)
- Millar JG, LMH, J Barbour. Research Institute of Forest Ecology, Environment and Protection, Chinese Academy of Forestry, Key Laboratory of Forest Protection, Beijing, China (IX 2009)
- Millar JG, LMH, J Barbour. Institute of Plant Physiology and Ecology, Shanghai Institute for Biological Sciences, Chinese Academy of Sciences, Shanghai, China (IX 2009)
- Millar JG, LMH. Symposium: Practical aspects of implementation of pheromones for detection and control of insects pests - Dedication to Cheng-Hua Zhaotian, Asia-Pacific Assoc Chem Ecol, Honolulu (X 2009)
- Natl meeting ESA, Indianapolis, IN (XII 2009)**
LMH. Symposium: Entomological disaster: Success stories thanks to scientific collaborations
Maki E, J Millar, LMH, JD Barbour. Symposium: The long and short of longicorns: Cerambycid workers symposium
Mitchell RF, JG Millar, HM Robertson, LMH. Symposium: The long and short of longicorns: Cerambycid workers symposium
- LMH, JG Millar, JD Barbour. USDA Interagency Research Forum on Invasive Species, Annapolis, MD (I 2010)
- LMH, JG Millar, JD Barbour. Symposium: Invasive insect detection, evaluation and prediction. Annual meeting Eastern Branch ESA, Annapolis, MD (III 2010)
- Millar JG, LMH, JD Barbour. Symposium on biotic interactions among plants, nematodes, and arthropods, USDA-NIFA Awardee Workshop, Washington DC (III 2010)
- Millar JG, J Rodstein, AM Ray, J Barbour, LMH. Symposium on pheromone chemistry, 1st annual meeting of the Latin American Assoc Chem Ecol, Colonia del Sacramento, Uruguay (X 2010)
- Symposium: Semiochemistry of the Cerambycidae: A diversity of signaling strategies; natl meeting ESA, San Diego, CA (XII 2010)**
LMH, JG Millar, JD Barbour, AM Ray, RF Mitchell, EE Graham, JCH Wong, BL Striman, MD Ginzal
Ray AM, JD Barbour, RF Mitchell, EE Graham, I Swift, JS McElfresh, LMH, JG Millar
Barbour JD, JG Millar, J Rodstein, AM Ray, DG Alston, M Rejzek, JD Dutcher, LMH
Mitchell RF, HM Robertson, LMH
- Millar JG, LMH, JD Barbour. USDA Interagency Research Forum on Invasive Species, Annapolis, MD (I 2011)
- Annual meeting Asia Pacific Conf Chem Ecol, Beijing, China (X 2011)**
Millar, JG, LMH
Ray AM, A Žunič, RL Alten, JS McElfresh, LM Hanks, JG Millar
- Ray AM, RF Mitchell, EE Graham, JD Barbour, ES Lacey, IP Swift, LM Hanks, JG Millar. Ecology workshop, Institute of Chemistry, Chinese Academy of Sciences, Beijing, China (X 2011)
- USDA Interagency Research Forum on Invasive Species, Annapolis MD (I 2012)**

LMH, JG Millar
 Millar JG, LMH
 Teale SA, JG Millar, LMH

Symposium: Forest insect semiochemistry; annual meeting Pacific Branch of ESA, Portland, OR (III 2012)

Millar JG, LMH

Mitchell RF, DT Hughes, CW Luetje, JG Millar, HM Robertson, LMH

Millar JG, LMH, A Ray, JS McElfresh, R Mitchell. Keynote Speaker, Symposium: Applied chemical ecology; ISCE, Vilnius, Lithuania (VII 2012)

Ray AM, I Swift, LMH, JG Millar. Symposium: Systematics, biogeography, and ecology of Cerambycidae and Buprestidae. Internatl Cong Entomol, Daegu, South Korea (VIII 2012)

Millar JG, LMH. Symposium on biotic interactions among plants, nematodes, and arthropods, USDA-NIFA Awardee Workshop, Washington DC (XI 2012)

Symposium: Chemical ecology of cerambycid beetles; natl meeting ESA, Knoxville, TN (XI 2012)

LMH, JG Millar

Barbour JD, DB Walsh, DG Alston, JG Millar, LMH

Teale S, JD Wickham, LMH

Wickham JD, LMH, JG Millar

Mitchell RF, JG Millar, LMH

Millar JG, AM Ray, LMH. 2nd meeting Latin American Assoc Chem Ecol, Huerte Grande, Argentina (XII 2012)

Millar JG, LMH. Symposium, Use of aggregation pheromones in pest management. Natl meeting ESA, Austin, TX (XI 2013)

LMH, JG Millar. USDA Interagency Research Forum on Invasive Species, Annapolis, MD (I 2014)

LMH, JG Millar. Symposium: What's creeping up on us? A look at detection, movement, establishment and impact of some new and potential insect pests. Annual meeting Eastern Branch ESA, Williamsburg, VA (III 2014)

Symposium: Chemical ecology of cerambycid beetles; natl meeting ESA, Portland, OR (XI 2014)

LMH, JG Millar

Wickham JD, R Harrison, W Lu, Y Chen, LM Hanks, JG Millar

LMH, JG Millar. USDA Interagency Research Forum on Invasive Species, Annapolis, MD (I 2015)

Millar JG, LMH. USDA Interagency Research Forum on Invasive Species, Annapolis, MD (I 2016)

Millar JG, LMH. Symposium: Insect chemical ecology, ethology, and evolution (ICE3), Swedish Ag Univ, Alnarp, Sweden (V 2016)

Millar JG, LMH. Keynote presentation, symposium: The chemistry of chemical ecology, joint annual meeting of the ISCE and the Latin-American Assoc Chem Ecol, Foz do Iguassu (VII 2016)

Annual meeting of the ISCE, Kyoto, Japan (VIII 2017)

Millar JG, WD Silva, Y Zou, JMS Bento, LMH. Keynote address, symposium:

Characterization of semiochemicals: Analysis and synthesis

Millar JG, LMH, symposium: Chemical Ecology of Forest Ecosystems

Millar JG, LMH. Symposium: Invasive species surveillance: New methods and tools for survey and early detection. IUFRO 125th Anniversary Congress, Freiburg, Germany (IX 2017)

Symposium: Chemical ecology of cerambycid beetles: Basic knowledge and practical applications; natl meeting ESA, Denver, CO (XI 2017)

Torto B, B Bobadoye, A Fomberg, B LeRu, K Adlbauer, LMH, JG Millar

Meier LR, Y Zou, JG Millar, LMH

LMH, JG Millar

Millar JG, WD Silva, JMS Bento, LMH

Mitchell R, T Curkovic, JA Mongold-Diers, J Bergmann, W Francke, LMH

LMH, JG Millar. USDA Interagency Research Forum on Invasive Species, Annapolis, MD (I 2018)

Millar JG, LMH. USDA Interagency Research Forum on Invasive Species, Annapolis, MD (I 2018)

LMH, JG Millar. Symposium: Insect detection, evaluation, and prediction: methods for dealing with old and new invaders. Annual meeting Eastern Branch ESA, Annapolis, MD (III 2018)

Invited Lectures

LMH. Dept Entomology, Purdue Univ., West Lafayette, IN (X 1991)

LMH. Dept Entomology, Univ. California at Riverside (IV 1993)

LMH. Dept Biology, Univ. California at Riverside (X 1993)

LMH. Dept Entomology, UIUC (II 1996)

LMH. Illinois Natural History Survey, UIUC (II 1996)

LMH. Dept Entomology, Purdue Univ., West Lafayette, IN (X 1997)

LMH. Biology Dept., Univ. South Dakota, Vermilion, SD (IV 1998)

LMH. Dept Entomology, Rutgers Univ., NJ (V 1998)

LMH. Dept Entomology, Ohio State Univ. OARDC, Wooster, OH (V 1999)

LMH. Ohio Plant Health Care Workshop, Ohio State Univ. OARDC, Wooster, OH (VIII 1999)

LMH. Dept Entomology, Pennsylvania State Univ., Univ. Park, PA (IX 1999)

LMH. Dept Biological Sciences, Eastern Illinois Univ., Charleston, IL (X 1999)

LMH. Dept Entomology, Purdue Univ., West Lafayette, IN (IX 2000)

LMH. Dept Entomology, Univ. Wisconsin, Madison, WI (IX 2000)

LMH. Stress factors and tree growth, a seminar for industry professionals, The Morton Arboretum, Chicago, IL (II 2002)

LMH. Lecture to Illinois Christmas Tree Growers Assn. (II 2002)

LMH. Dept Entomology, Univ. Minnesota, Twin Cities, Minneapolis-St. Paul, MN (V 2002)

LMH. Biology of parasitic Hymenoptera: Implications for biological control; short course of Midwest Institute of Biological Control, Urbana, IL. (VI 2002)

LMH. Illinois Arborists Association, Chicago (X 2003)

LMH. Dept Entomology, NC State Univ., Raleigh (X 2004)

LMH. Dept Entomology, Michigan State Univ., Lansing, MI (XI 2005)

LMH. Dept Entomology, Univ. California, Riverside (V 2006)

LMH. Dept Entomology, Pennsylvania State Univ. (IX 2006)

LMH. Dept Natural Resource Sciences, McGill Univ., Montreal, Canada (XII 2006)

LMH. Dept Entomology, Univ. Wisconsin, Madison (V 2007)

LMH. Dept Entomology, Texas A&M Univ., College Station (IV 2008)

LMH. Dept Entomology, Univ. Arkansas, Fayetteville (IV 2009)

Millar, JG, LMH, JD Barbour. Dept Entomology, Univ. California, Riverside (IX 2010)
 Millar, JG, LMH, JD Barbour. The Charles Doane Distinguished Lecture, Dept Entomology,
 Univ. Wisconsin, WI (XI 2010)
 LMH, Dept Entomology and Wildlife Ecology, Univ. Delaware, Newark (IX 2010)
 LMH, Dept Entomology, Univ. Kentucky, Lexington (IX 2010)
 LMH, Dept Entomology, Univ. Wisconsin, Madison (III 2015)
 Millar JG, LMH, Dept Plant and Soil Science, Univ. Vermont (X 2015)
 Millar JG, LMH, Dept Entomology, Univ. California, Davis (IV 2016)

Meetings Organized

Symposium: Ecology and management of introduced arthropod pests of Eucalyptus, with TD Paine, JG Millar. XX Internatl Cong Entomol., Firenze, Italy (VIII 1996)
 Informal conference: Manipulating habitat complexity to manage insect populations, with PM Shrewsbury, Natl meeting ESA, Montreal, Canada (XII 2000)
 Mini-symposium: Invasive Species, with RN Wiedenmann, Environmental Horizons 2001 conference, Environmental Council, UIUC (III 2001)
 Fourth Natl Integrated Pest Management Symposium, USDA, local arrangements committee, Indianapolis, ID (IV 2003)
 Symposium: Management alternatives to conventional pesticides for pests of ornamental systems, with C Sadof. Annual meeting North central Branch ESA, Madison, WI (III 2003)
 Symposium: Semiochemicals of cerambycid beetles, with Q Wang. Internatl Cong Entomol, Brisbane, Australia (VIII 2004)
 Symposium: Semiochemistry and behavior of cerambycid beetles, with JG Millar. Annual meeting ESA, Salt Lake City, Utah (XI 2004)
 Symposium: Semiochemicals mediating behavior of cerambycid beetles, with JG Millar, JD Barbour. Annual meeting ESA, Indianapolis, IN (XII 2006)
 Symposium: Semiochemicals that mediate behavior of cerambycid beetles, with JG Millar, JD Barbour. Annual meeting ESA, Reno, NV (XI 2008)
 ISCE, MR Berenbaum et al., Urbana, IL (VII 2014)
 Symposium: Chemical ecology of cerambycid beetles: Basic knowledge and practical applications, Annual meeting ESA, Denver, CO (XI 2017)

Contributed Talks

LMH, RW Rust. Pacific Branch meeting ESA, Oakland, CA (VI 1981)
 LMH, RW Rust. Natl meeting ESA, San Diego, CA (XII 1981)
 LMH, RW Rust. Natl meeting ESA, Toronto, Canada (XII 1982)
 LMH, RF Denno. Eastern Branch meeting ESA, Williamsburg, VA (X 1985)
 LMH, RF Denno. Eastern Branch meeting ESA, Philadelphia, PA (X 1986)
 Sadof CS, LMH. Eastern Branch meeting ESA, Atlantic City, NJ (X 1987)
 LMH, RF Denno. Eastern Branch meeting ESA, Atlantic City, NJ (X 1987)
 LMH, RF Denno. Natl meeting ESA, Boston, MA (XI 1987)
 LMH, RF Denno. XVII Internatl Cong Entomol, Vancouver, BC, Canada (VII 1988)
 LMH, RF Denno. Natl meeting Ecol. Soc. Am., Davis, CA (VIII 1988)
 LMH, JG Millar, TD Paine. Natl meeting ESA, New Orleans, LA (XII 1990)
 LMH, JG Millar, TD Paine. Pacific Branch meeting ESA, Sacramento, CA (VI 1991)
 LMH, TD Paine, JG Millar. Natl meeting ESA, Reno, NV (XII 1991)

- Natl meeting ESA**, Baltimore, MD (XII 1992)
 Gould JR, JG Millar, TD Paine, LMH, RF Luck
 LMH, TD Paine, JG Millar
 LMH, JG Millar, TD Paine
- Denno RF, HG Döebel, LMH, VA Kruschik, KL Olmstead. Natl meeting ESA, Indianapolis, IN (XII 1993)
- Paine TD, JG Millar, LMH, Q Wang. Natl meeting ESA, Dallas, TX (XII 1994)
- Natl meeting ESA**, Las Vegas, NV (XII 1995)
 Millar JG, LMH, TD Paine, JA Downer
 LMH, TD Paine, JG Millar, U Schuch
- Campbell CD, LMH, JG Millar, TD Paine. Natl meeting ESA, Louisville, KY (XII 1996)
- Natl meeting ESA**, Las Vegas, NV (XI 1998)
 Reagel PF, LMH
 Ginzel MD, LMH
 Tooker JF, LMH
- North-Central Branch meeting ESA**, Des Moines, IA (III 1999)
 LMH, J Appleby, CG Helm, KC Kruse, J Shafer, S Smith
 Reagel PF, LMH
 Tooker JF, LMH
 Ginzel MD, LMH
- Tooker JF, LMH. XII Internatl Entomophagous Insects Workshop, Pacific Grove, CA (IX 1999)
- Millar JG, TD Paine, LMH. Seminar: Integrated forest production, Lisbon, Portugal (X 1998)
- Appleby J, LMH, C Helm, KC Kruse, J Schafer, S Smith. Natl meeting ESA, Atlanta, GA (XII 1999)
- Natl meeting ESA**, Atlanta, GA (XII 1999)
 Tooker JF, LMH
 Ginzel MD, GJ Blomquist, JG Millar, LMH
 Reagel, PF, LMH
- North-Central Branch meeting ESA**, Minneapolis, MN (III 2000)
 -Reagel PF, JF Tooker, LMH
 -Ginzel MD, JF Tooker, LMH
 -Ellis JA, LMH.
- Natl meeting ESA**, Montreal, Canada (XII 2000)
 Ginzel MD, LMH, VN Pham
 Walter AD, JA Ellis, LMH
 Reagel PF, LMH
 Tooker JF, LMH
- Ginzel MD, GJ Blomquist, JG Millar, LMH. Annual meeting ISDA, North Lake Tahoe, CA (VII 2001)
- Natl meeting ESA**, San Diego, CA (XII 2001)
 Rebek EJ, CS Sadof, LMH
 Ginzel MD, LMH
 Ginzel MD, JN Steed, LMH
 Tooker JF, LMH
 Reagel PF, LMH
 Ellis JA, LMH

Lacey ES, LMH
 Bennett AB, JF Tooker, MD Ginzel, LMH, CS Sadof
 Grossman EM, LMH
 Steed J, MD Ginzel, LMH

North-Central Branch meeting ESA, East Lansing, Michigan (III 2002)

Ginzel MD, LMH
 Tooker JF, LMH
 Ellis JA, LMH
 Reagel PF, LMH

Annual meeting Society for the Study of Evolution, Champaign-Urbana, IL (VII 2002)

Tooker JF, LMH.
 Ginzel MD, LMH

Tooker JF, LMH. Annual meeting Ecol. Soc. Am., Tucson, AZ (VIII 2002)

Natl meeting ESA, Ft. Lauderdale, FL (XI 2002)

Tooker JF, LMH
 Ginzel MD, LMH
 Reagel PF, MD Ginzel, LMH
 Lacey ES, LMH
 Bennett AB, CS Sadof, LMH

USDA Interagency Res. Forum on Gypsy moth and other Invasive Species, Annapolis, MD (I 2003)

Smith MT, R Fuester, F Herard, LMH. Poster
 Fallon D, L Solter, M Keena, J Cate, M McManus, LMH. Poster

North-Central Branch meeting ESA, Madison, WI (III 2003)

Ginzel MD, JG Millar, LMH
 Tooker JF, LMH
 Lacey ES, LMH

Tooker JF, LMH. XIII Internatl Entomophagous Workshop, Tucson, AZ (VII 2003)

Natl meeting Ecol. Soc. Am., Savannah, GA (VIII 2003)

Ginzel MD, JG Millar, LMH
 Tooker JF, LMH
 Reagel PF, MD Ginzel, LMH
 Lacey ES, JG Millar, LMH
 Bennett AB, CS Sadof, LMH

Natl meeting ESA, Cincinnati, OH (X 2003)

Ray AM, MD Ginzel, LMH
 Bennett AB, CS Sadof, LMH
 Tooker JF, W Koenig, LMH

Joint meeting ISCE and Phytochem. Soc. North Am. Ottawa, Canada (VII 2004)

Ray AM, MD Ginzel, JA Moreira, JG Millar, LMH. Poster
 Lacey ES, MD Ginzel, JG Millar, LMH. Poster

Rebek EJ, LMH, CS Sadof. 14th annual Ornamental Insect and Disease Workshop.
 Hendersonville, NC (IX 2004)

Natl meeting ESA, Salt Lake City, UT (XI 2004)

Cervantes DE, JD Barbour, LMH, JG Millar
 Moser SE, M Alleyne, R Wiedenmann, LMH

- Ray AM, MD Ginzel, ES Lacey, JG Millar, LMH
 Bennett AB, LMH
 Reagel PF, ES Lacey, MT. Smith, RW Fuester, LMH
 Cervantes DE, JG Millar, LMH, JD Barbour. 2005. Poster, Annual meeting Hop Research Council, Salishan, OR (I 2005)
- North-Central Branch meeting ESA**, West Lafayette, IN (III 2005)
 Lacey ES, JG Millar, LMH
 Ray AM, JB Nardi, JG Millar, SJ Robinson, HM Robertson, LMH
 Kluger EC, LMH
- Lacey ES, AM Ray, JG Millar, LMH. Annual meeting ISDA, Washington DC (VII 2005)
 Ray AM, ES Lacey, LMH. Annual meeting ISDA, Washington DC (VII 2005)
 Dahl T, E Lacey, J Millar, LMH, F Stephen. Southern Forest Insect Work Conference, Austin, TX (VII 2005)
- Kluger EC, LMH. Annual meeting Ecol Soc Am, Montréal, Canada (VIII 2005)
 Reagel PF, ES Lacey, JF Tooker, MD Ginzel, MT Smith, RW Fuester, LMH. IX European Workshop on Insect Parasitoids, Cardiff Univ., Cardiff, Wales (IX 2005)
- Natl meeting ESA**, Fort Lauderdale, FL (XI 2005)
 Reagel PF, ES Lacey, JF Tooker, MD Ginzel, MT Smith, LMH.
 Cervantes DE, ES Lacey, JG Millar, LMH, JD Barbour
 Lacey ES, AM Ray, JG Millar, LMH
 Rutledge CE, ES Lacey, AM Ray, JA Moreira, JG Millar, LMH
 Dahl TM, E Lacey, LMH, JG Millar, FM Stephen
- Sweeney J, P Silk, J Gutowski, J Millar, LMH. Annual meeting Entomol Soc Canada, Canmore, Canada (XI 2005)
- Ray AM, ES Lacey, LMH. North-Central Branch meeting ESA, Bloomington, IL (III 2006)
 Dahl TM, E Lacey, J Millar, LMH, F Stephen. North Am For Insect Work Conf, Ashville, NC (V 2006)
- Kluger EC, LMH. Annual meeting Ecol Soc Am, Memphis, TN (VIII 2006)
- Natl meeting ESA**, Indianapolis, IN (XII 2006)
 Richardson ML, PF Reagel, RF Mitchell, LMH
 Reagel PF, EE Graham, MT Smith, RW Fuester, LMH
 Reed D, D Zahn, J Millar, LMH, T Paine
- Mitchell RF, ML Richardson, PF Reagel, LMH. Illinois State Acad Sci, Springfield, IL (IV 2007)
- Barbour JD, JG Millar, JS McElfresh, ES Lacey, LMH. Annual meeting ESA, Pacific Branch. Portland, OR (III 2007)
- Natl meeting ESA**, San Diego, CA (XII 2007)
 Mitchell RF, LMH
 Lacey ES, AM Ray, JG Millar, LMH
 Ray AM, LMH
 Richardson ML, LMH
- Mitchell RF, LMH. North-Central Branch meeting ESA, Columbus, OH (III 2008)
 Mitchell RF, LMH. Illinois State Acad Sci, Urbana-Champaign, IL (IV 2008)
 Richardson ML, LMH. Natl meeting Ecol Soc Am, Milwaukee, WI (VIII 2008)
- Natl meeting ESA**, Reno, NV (XI 2008)
 Ray AM, IP Swift, JS McElfresh, JD Barbour, JG Millar, LMH

- Reagel PF, LMH
 Mitchell RF, LMH, EE Graham, PF Reagel
 Graham EE, LMH
 Richardson ML, LMH
- Mitchell RF, EE Graham, PF Reagel, JG Millar, LMH. Annual meeting North Central Branch, ESA, St. Louis, MO (III 2009)
- Barbour J, J Millar, J Rodstein, J McElfresh, I Wright, K Barbour, A Ray, LMH. Annual meeting Pacific Branch, ESA, San Diego, CA (V 2009)
- Natl meeting ESA**, Indianapolis, IN (XII 2009)
 Graham EE, LMH, RF Mitchell
 Ray AM, D McKenna, LMH
- Mitchell RF, HM Robertson, JG Millar, LMH. North-Central Branch Meeting ESA, Louisville, KY (III 2010)
- Maki E, JG Millar, J Rodstein, LMH, JD Barbour. 94th Annual Pacific Branch ESA, Boise, ID (IV 2010)
- Natl meeting ESA**, San Diego, CA (XII 2010)
 Wong JCH, RF Mitchell, PR Reagel, BL Striman, KP Robinson, JD Barbour, JG Millar, LMH
 Graham EE, TM Poland, D McCullough, JG Millar, LMH
- Mitchell RF, JCH Wong, BL Striman, JG Millar, LMH. North-Central Branch meeting ESA, Minneapolis, MN (III 2011)
- Annual meeting ISCE, Vancouver, BC (VII 2011)**
 Teale SA, JD Wickham, F Zhang, J Su, Y Chen, W Xiao, LMH, JG Millar
 Mitchell RF, DT Hughes, CW Luetje, JG Millar, HM Robertson, LMH
- Natl meeting ESA**, Reno, NV (XI 2011)
 Mitchell RF, DT Hughes, CW Luetje, JG Millar, HM Robertson, LMH
 Mitchell RF, BL Striman, KP Robinson, EE Graham, JD Barbour, JG Millar, LMH
- Annual meeting Asia Pacific Assoc Cheml Ecol, Beijing, China (X 2010)**
 Ray AM., A Žunič, RL Alten, JS McElfresh, LMH, JG Millar
 Teale SA, JD Wickham, F Zhang, J Su, Y. Chen, W Xiao, LMH, JG Millar
- Rodstein J, JS McElfresh, JD Barbour, AM Ray, LMH, IM Wright, K Barbour, EC Maki, JG Millar. Poster, Div. Organic Chemistry, Am Chem Soc Natl Meeting Denver, CO (VIII 2001)
- Allison JD, JL McKenney, JG Millar, LMH, JS McElfresh, RF Mitchell. Annual meeting ISCE, Vilnius, Lithuania (VII 2012)
- Mitchell RF, DT Hughes, CW Luetje, JG Millar, LMH, HM Robertson. Annual meeting ISCE, Daegu, South Korea (VIII 2012)
- Natl meeting ESA, Knoxville, TN (XI 2012)**
 Silliman CA, J Millar, A. Smith, LMH
 Meier LR, JCH Wong, JA Mongold-Diers, PF Reagel, T Stanton, LMH
 Wong JCH, AM Ray, JG Millar, LMH
 Smith AA, LMH, JG Millar, AV Suarez
 LMH, JG Millar. Poster, Annual USDA Interagency Research Forum on Invasive Species, Annapolis MD (I 2012)
- Mitchell RF, JG Millar, LMH. Annual meeting ISCE, Melbourne, Australia (VIII 2013)
- Natl meeting ESA, Austin, TX (XI 2013)**
 Ray AM, JG Millar, JA Moreira, JS McElfresh, I Swift, JD Barbour, LMH

- Meier LR, JCH Wong, JA Mongold-Diers, PF Reagel, JG Millar, LMH
 Handley K, JA Hough-Goldstein, LMH, JG Millar, V D'Amico
 Smith AA, JG Millar, LMH, AV Suarez
 Handley K, JA Hough-Goldstein, LMH, JG Millar, V. D'Amico. Eastern branch meeting of the
 ESA, Williamsburg, VA (III 2014)
- Natl meeting ESA, Portland, OR (XI 2014)**
 Hough-Goldstein JA, K Handley, V D'Amico, LM Hanks, JG Millar
 D'Amico V, K Handley, JA Hough-Goldstein, LM Hanks, JG Millar
 Dunn E, V D'Amico, JA Hough-Goldstein, LMH, JG Millar
 Johnson TD, LMH
 Silliman CA, MD Ginzal, LMH
 Schmeelk T, LMH
 Wong J, JA Mongold-Diers, LMH
 Meier L, JA Mongold-Diers, JG Millar, LMH
 Dunn, C, V D'Amico, JA Hough-Goldstein, LMH, JG Millar. Annual meeting ESA eastern
 branch (III 2015)
- Vachula S, TD Johnson, LMH. Annual meeting ESA Northcentral Branch. (III 2015)
 Mitchell RF, JG Millar, LMH. Annual meeting ISCE, Stockholm, Sweden (VIII 2015)
- Natl meeting ESA, Minneapolis, MN (XI 2015)**
 Lyons-Yerion CD, S Cook, LMH, JG Millar, CJ Williams, R Shrum, JD Barbour
 Johnson CD, LMH
 Paine R, JG Millar, LM Hanks, J Gould, KM Daane
 Meier L, G Hughes, M Ginzal, JA Mongold-Diers, Y Zou, JG Millar, LMH
 Smith AA, A Suarez, JG Millar, LMH
 Wong J, JG Millar, LMH
 Hansen L, T Xu, J Wickham, Y Chen, D Hao, LMH, JG Millar, SS Teale. Poster presentation;
 USDA Interagency Research Forum on Invasive Species, Annapolis, MD (I 2016)
 Nakamuta K, Y Zou, CE Rutledge, CT Maier, LMH, AB Richards, ES Lacey, JG Millar. Annual
 meeting Japanese Soc Appl Entomol Zool, Osaka Prefecture University, Osaka, Japan (III
 2016)
- North-central branch meeting ESA, Cleveland, OH (VI 2016)**
 Meier LR, JA Mongold-Diers, Y Zou, JG Millar, LMH
 Johnson T, E Hanson, A Yu, LMH
 Hazel A, LMH
- Joint meeting ESA and the International Congress of Entomology, Orlando, FL (IX 2016)**
 Lyons-Yerion CD, SP Cook, LMH, JG Millar, CJ Williams, FW Merickel, R Shrum, JD
 Barbour (poster)
 Hazel, A, LMH
 Hayes RA, H Nahrung, M Griffiths, P Arnold, LMH, JG Millar
 Meier LR, JA Mongold-Diers, Y Zou, MG Millar, LMH
 Johnson T, LMH
 Molander M, L Westerberg, P Milberg, K Bergman, I Winde, J Burman, F Nyabuga, E
 Hedenström, M Ryrholm, JG Millar, LMH, M Larsson
 Kiritani, I, LMH, Millar JG, Nakamuta K. Poster, 61st annual meeting Japanese Soc Appl
 Entomol Zool (III 2017)
- North-central branch meeting ESA, Indianapolis, IN (VI 2017)**

Meier LR, JA Mongold-Diers, Y Zou, JG Millar, LMH
Johnson T, LMH

Natl meeting ESA, Denver, CO (XI 2017)

Kreitman DA, JD Wickham, W Lu, Z Dong, Y Zou, Y Chen, LMH, JG Millar
Johnson TD, B Rice, LMH

Silva W, Y Zou, J M Bento, LMH, JM. X Encontro Brasileiro de Ecologia Química, São Carlos Federal Univ., São Paulo, Brazil (XII 2017)

Johnson T, LMH. North-central branch meeting ESA, Madison, WI (III 2018)

Natl meeting ESA, Vancouver, Canada (scheduled)

Lyons-Yerion CD, JD Barbou, LMH, SP Cook, JG Millar, CJ Williams, FW Merickel

Courses Taught and Students Advised

| <u>Course</u> | <u>Semester</u> |
|-----------------------|--|
| Seminar in Entomology | Spring 1997, 1999, 2009 |
| Fund. Pest Management | Fall (alternate years) 1997-2017 |
| Intro. to Entomol. | Fall (annually) 1998-1999 (team), 2000-2017 (solo) |

Major professor

Masters Students

Ginzel, Matthew David (1999) - continued PhD program

Tooker, John F (1999) - continued PhD program

Reagel, Peter F (2001) - continued PhD program

Moore, Robert G (2001) - Medical Entomologist, Medical Corps, US Army, retired

Ellis, Jodie A (2002) - Executive Director, State of Idaho Board of Veterinary Medicine, Boise, ID

Otto, Erin Mae (Grossman) (2002) - Officer/Instructor, USDA-APHIS-PPQ, Frederick, MD

Bennett, Ashley Blaire (2003) - Assistant professor, New Mexico State University, Cooperative Extension Service, Los Lunas, NM

Lacey, Emerson Scott (2003) - continued PhD program

Ray, Ann Marie (2005) - continued PhD program

Kluger, Emily A (2007) - Smithereen Pest Control, Chicago, IL

Philpott, Dominic (2007) - Dentist, Comfort Dental, Northglenn, CO

Mitchell, Robert Forrest (2008) - continued PhD program

Robinson, Kenneth P (2011, Program in Ecology, Evolution, and Conservation Biology) -

Associate Scientist, AbbVie Pharmaceuticals, Abbott Park, IL

Striman, Becca L (2011) - PhD student, University of Prince Edward Island, Charlottetown, Canada

Silliman, Christina A (2014) - PhD student, Department of Curriculum and Instruction, College of Education, UIUC

Wong, Joseph CH (2013) - continued PhD program

Meier, Linnea R (2014) - continued PhD program

Schmeelk, Thomas C (2015) - New York Department of Environmental Conservation

Diesel, Natalie (2017)

Completed PhD Students

Tooker, John F (2003) - Associate Professor, Dept Entomology, The Pennsylvania State University
 Ginzel, Matthew D (2003) - Associate Professor, Dept Entomology, Purdue University
 Lacey, Emerson S (2007) - Staff Research Associate, Dept Entomology, Univ. California, Riverside
 Reagel, Peter F (2009) - Entomologist, USDA-APHIS-PPQ, Seattle, WA
 Ray, Ann M (2009) - Associate Professor, Dept Biology, Xavier Univ., Cincinnati, OH
 Richardson, Matthew L (2009) - Assistant Director of Urban Agriculture, University of DC
 Graham, Elizabeth A (2010) - Entomologist, USDA Forest Service, Juneau, AK
 Mitchell, Robert F (2012) - Assistant professor, University of Wisconsin, Oshkosh
 Wong, Joseph CH (2016) – Entomologist, USDA-APHIS, Los Angeles, CA
 Meier, Linnea R (2018) – USDA-APHIS, Buzzards Bay, ME

Former postdocs

Adrian Smith (co-advised with A Suarez)

Current Master's Students

None

Current PhD Students

Todd Johnson

Committee member

Master's committees: ME O'Neal (1998), CR Favret (2000), R Loughner (Natural Resources and Environmental Sciences, 2002), M Hauser (2002), L Zuehls (Program in Ecology and Evolutionary Biology, 2003), JL McGovern (2005), LM Knolhoff (2005); M Randrianandrasana (2007), K McCormick (NRES; 2009), Sarah Hughes (2013), A Walker (2013), Allen Lawrance (2016), Adam Kranz (2017)

PhD committees: Clair E Rutledge (1998), Rosanna Giordano (1998), TH Zhang (2001), Christopher MF Pierce (2003), Sean A Collins (2003), Jeffrey W Gilardi (2003), Andrew R Deans (2005), Martin Hauser (2005), EJ Muturi (2007), BF O'Neill (Chair, 2008), MM Jones (2010), Adam Wallner (2010), LB Kent (2011), Kapil Raje (Dept Entomology, Purdue Univ.; 2012), Tania Jogesh (2014), Maminirina Randrianandrasana (2014), Allison Gardner (2016), Sarah Hughes (2017)

Prelim committees: MJ Carroll (1999), SM Farris (1999), M Metz (1999), JP Sullivan (1999), RA Petersen (Chair; 2000), DJ Schulz (1999), Y Ben-Shahar (2000), J Sullivan (1999), JS Heilveil (2000), JF Tooker (2000), W Li (Chair; 2000), MD Ginzel (2001), H Zhang (2001), X Li (2002), HM Patch (2001), CMF Pierce (Chair, 2002), JW Gilardi (2003), PF Reagel (2003, 2009), JG Lundgren (Chair, 2003), A Valario (2003), DM Takiya (Chair; 2004), ES Lacey (2005); SA Yi (NRES, Chair, 2005), AM Ray (2006), CM McDonnell (2006), EE Graham (2007), ML Richardson (Program in Ecology, Evolution, and Conservation Biology, 2007), HM Hines (Chair, 2007), E Bess (2007), N Guodong (2007), MM Jones (2009), RF Mitchell (2009), SM Krishnankutty (Chair, 2009), DM Lagos (Chair, 2010), M Randrianandrasana (2010), S. Shreve (2010), LB Kent (2011), T Jogesh (2011), T Agunbiade (Chair, 2012), D Arias-Penna (2012), N Naeger (2012), J Wong (2013), F Larabee (2013), T

Jogesh (2014), S Ruiz (PEEC, 2014); TD Johnson (2016), LR Meier (2017), N Baena (2018), N Anderson (2018), J Gibson (2018), S Geirs (2018), Raphael Achury (2018)

Other contributions to Instructional Programs

Undergrad technicians, research experience, independent study: Sue Kalis, Magdalena Ruiz, Ellie Kron, Lori Kae Schwab, John Westburg, Amy Crumrin, Erik Preston, Nick Rauter, Ashley Walter, Amanda Cleaveland, Erik Jackson, Jessica Mohler, Kamryn Rinkenberger, Michael Currier, James Hitchens, Edisorn Pardungkiattisak, Daniel Rahe, Monica Lee, Matthew Swecker, Ariana Brodsky, Victoria Rodriguez, Alexandra Wirtas, Elizabeth A. Hanson, Brian M. Willis, Allen Yu, Suzanne M. Vachula

Guest lectures: Insects and People, Discovery section, M. Berenbaum instructor (1998-2003), Insects and People, IB109, Honors section, M. Berenbaum instructor (1997-2005), Biological Control of Insect Pests, Rob Weidenmann instructor (2000), Biological Control IB484 S Raghu instructor (2007), Insect Ecology, M. Berenbaum instructor (2000, 2002, 2014), Animal Behavior IB429, A Suarez instructor (2005, 2007), Insects and People IB109, M. Berenbaum instructor (Spring 2010, 2012), Insect Ecology IB444, M Berenbaum instructor (2008), honors IB199, A Suarez instructor (2004, 2006), Chemical Ecology IB445, M. Berenbaum instructor (2010)

Special Problems in Entomology: AD Walter (2000); UJ Atilano (2001), J Westberg (2002), A Crumrin (2002)

Lab presentation, Insect Physiology (2000, 2002)

Graduate Programs: Program in Ecology and Evolutionary Biology, School of Integrative Biology (1999-present)

Howard Hughes Medical Institute Program for Undergraduate Research: VN Pham, UIUC (S 2001); J Steed, Milliken Univ. (2001)

Introductory research, IB390, Michael Currier (2007), Mark Knaub (2007), Paul Masonick (2007), Brett Forestiere (2008-9), Matthew Swecker (2008), Alexandra Wirtas (2013), Allen Yu (2014-2016), Brian M Willis (2014-2015), Elizabeth A Hanson (2015-2016), Emily Althoff, Rebecca Back, Nicholas Mendes, Julia Monk, Jacob Vilker

Professional Service

Editorship

Editorial board, Journal of Insect Behavior (2005 - 2012)

Editorial board, Forest Entomology, Journal of Economic Entomology (2007 - 2012)

Editorial board, Arboriculture & Urban Forestry (2008 - 2012)

Offices Held in Professional Societies

Committee on Education and Youth, ESA; vice chair (1999-2000), member (2000-2001)

Review Panels

USDA Natl Research Initiative, Biologically-Based Pest Management panel (2001, 2002, 2003)

NSF Course, Curriculum, and Laboratory Improvement Program, Educational Materials Development, Natl Dissemination (VII 2004)

Natl Program Panel to review ARS CRIS Research Project Plans, Biological Control and Development of Insects and Mites, Office of Scientific Quality Review, USDA-ARS (II 2005)

USDA Natl Research Initiative, Arthropod and Nematode Biology and Management (A):
 Organismal and Population Biology, panel manager (2007)
 USDA NIFA AFRI, Plant-Associated Insects and Nematodes (2013)
 USDA NIFA CPPM-ARDP and MBT (VIII 2016)
 USDA NIFA AFRI Pests and Beneficial Species in Agricultural Production Systems (I 2017)

Service to Disciplinary and Professional Societies or Associations

Moderator, Section C: Biology, Ecology and Behavior. Natl meeting ESA, Baltimore, MD (XII 1992)
 Ex-officio member, USDA-CREES NCR-125 Arthropod Biological Control (1998-2000)
 Moderator, Student competition, Section Cd: Behavior and Ecology. Natl meeting ESA, Atlanta, GA (XII 1999)
 Moderator, Informal conference: Asian longhorned beetle-status of research and eradication. Natl meeting ESA, Montreal, Canada (XII 2000)
 Moderator, formal conference: The ecological basis of conservation biological control of insect pests. Natl meeting ESA, Fort Lauderdale, Florida (XI 2002)
 Judge of student presentations, North-Central Branch meeting ESA, Madison, WI (III 2003)
 Revised the online Style Guide for submitting publications to the ESA, with student Robert Mitchell (2008)

Reviews

Journal manuscripts (N = 91): *African Journal of Agricultural Research, Agricultural and Forest Entomology, American Midland Naturalist, American Naturalist, Analytica Chimica Acta, Animal Behaviour, Annals of the Entomological Society of America, Arboriculture and Urban Forestry, Arthropod-Plant Interactions, Behavioral Ecology, BioControl, Biocontrol Science and Technology, Biological Conservation, Biological Control, Biological Invasions, Biological Journal of the Linnean Society, Biology Letters, BioScience, Biotropica, BMC-Ecology, Bulletin of Entomological Research, Canadian Entomologist, Canadian Journal of Forest Research, Chemoecology, Cities and the Environment, Collection of Czechoslovak Chemical Communications, Cretaceous Research, Crop Protection, Ecological Applications, Ecological Entomology, Ecological Modelling, Ecological Monographs, Ecology, Ecology Letters, Entomologia Experimentalis et Applicata, Entomological Science, Entomological News, Environmental Entomology, European Journal of Entomology, Evolution, Florida Entomologist, Forest Ecology and Management, Forestry, Forest Science, Functional Ecology, Insect Physiology, Insect Science, Interciencia, Israel Journal of Zoology, Journal of Agricultural and Urban Entomology, Journal of Animal Ecology, Journal of Applied Ecology, Journal of Chemical Ecology, Journal of Economic Entomology, Journal of Entomological Science, Journal of Ethology, Journal of Experimental Zoology, Journal of Insect Behavior, Journal of Insect Physiology, Journal of Insect Science, Journal of Medical Entomology, Journal of Natural History, Journal of Pest Science, Journal of the Acadian Entomological Society, Journal of the Kansas Entomological Society, Journal of Tropical Biology, Journal of Tropical Ecology, Kuwait Journal of Science and Engineering, Landscape Online, Microbial Ecology, Nature, Naturwissenschaften, New Zealand Journal of Crop and Horticultural Science, Oecologia, Oikos, Pest Management Science, Philosophical Transactions (Series B) of the Royal Society, Phytoparasitica, PLoS ONE, Proceedings of the National Academy of Sciences USA, Scientific Reports, Studies on Neotropical Fauna and*

Environment, The Canadian Entomologist, The Coleopterists Bulletin, The Great Lakes Entomologist, The Journal of the Acadian Entomological Society, The Southwestern Naturalist, Tree Physiology, Turkish Journal of Agriculture and Forestry, Zoological Science

Grant proposals: California Dept Food and Agriculture, and Univ. California Pierce's Disease Research Grant program; Internatl Foundation for Science (Sweden); Maryland Agricultural Experiment Station Competitive Grants; Natl Science Foundation (Div. Envl. Biol.; Integrative Organismal Biology; Symbiosis, Defense, and Self Recognition; DEB - Ecological Biology Cluster; International Research Fellowship Program); Ohio Agricultural Research and Development Center Competitive Grants; USDA-CSREES Special Grants Program on Tropical and Subtropical Agriculture Research; USDA-NRICGP (Entomology & Nematology, Biologically-Based Pest Management); USDA-NRICGP 51.2 Arthropod and Nematode Biology and Management (A): Organismal and Population Biology (panel manager, 2007); USDA Small Business Innovation Research Program; Univ. Idaho Agricultural Experiment Station; Pesticide Reduction Options Program of the Minnesota Agricultural Utilization Research Institute; National Geographic Society

Document review: USDA Forest Service "Wood Import Pest Risk Assessment and Mitigation Evaluation, 2000, 2001" USDA Forest Service, Gen. Tech. Rep. FPL-GTR-137, "Pest Risk Assessment of the Importation into the United States of Unprocessed Logs and Chips of Eighteen Eucalypt Species from Australia", 2003; Canadian Food Inspection Agency, Plant Health Risk Assessment Unit, Plant Health Risk Assessment for *Tetropium fuscum* (Fabr.), brown spruce longhorned beetle (X 2005); Dissertation of Arif Shah, Dept Entomology, Arid Agriculture University Rawalpindi, Pakistan (XII 2013)

Project plan review: USDA-Agricultural Research Service-CRIS, Natl Program 304 Project, Crop Protection and Quarantine; 2002, 2015)

Pre-publication reviews: M Rejzek chapter on cerambycid beetles in *A Coleopterist's Handbook*, 4th Edition, Cooter, J, et al., Amateur Entomologist's Society: Feltham, UK (2003); *Economic Armored Scales of the United States*, by DR Miller, JA Davidson, for Cornell Univ. Press (2003); *Integrated Pest Management Park District Manual: Increasing the Effectiveness and Reducing the Risk in Pest Management*, Safer Pest Control Project, Chicago, IL (2003). MR While, RE Charlton, *The ecological significance of tallgrass prairie arthropods*, for Annual Review of Entomology (2005); *Insect Outbreaks*, P. Barbosa (2010)

Univ./Campus Service (UIUC)

Luckmann Award Committee, Illinois Natural History Survey (1997, 1998)

Entomology Graduate Student Admissions Committee (1997-8, 2004-5; Chair: 1998-9)

Participant in meeting on plant-pest interaction specialization in curriculum of Natural Resources and Environmental Sciences (III 1997)

Developed Review and Improvement Annual Indicators for the Dept Entomology for Dr. WD Seitz, Associate Head for Academic Programs (1998)

Distinction Committee, School of Life Sciences (1997-1999, 2010; 2007, 2012 chair; 2016-17; 2017-18 chair)

Fellowship Committee, School of Life Sciences/SIB (1997-1999; 2015-16)

Capricious Grading Committee, School of Life Sciences (1999)
 Capricious Grading Committee, Dept Entomology (1999)
 Biology MS/MST Admissions Committee, School of Life Sciences (1999, 2000)
 Medical Scholars Program Admissions Committee, School of Life Sciences (1998-1999)
 Research Board, UIUC (proposal reviews)
 Univ. Illinois Field Research Club Grants-in-Aid-of-Research (1999)
 Faculty search committee, Dept Entomology (Fall 1999)
 Consultant to College of Agricultural, Consumer, and Environmental Sciences, Extension,
Integrated Pest Management publication, section on Asian longhorned beetle (1999)
 Consultant on design of quarantine facility for the Illinois Natural History Survey (Spring 2000)
 Presentation on Asian longhorned beetle situation for External Advisory Committee for the
 College of Agricultural, Consumer, and Environmental Sciences (IV 2000)
 Judge, Graduate Student Symposium, Program in Ecology and Evolutionary Biology (II 2001)
 Participant in informal workshop: Invasive Insects in the Midwest, with MR Berenbaum and RN
 Wiedenmann, Natl meeting ESA, San Diego, CA (XII 2001)
 Campus-wide retreat for UIUC Entomologists, with RN Wiedenmann, ME Gray, MR
 Berenbaum (V 2001)
 Seminar Committee chair, Dept Entomology, Spring 2001-Spring 2006; co-chair with A. Suarez
 (2006-present)
 Demonstration of research for the Univ. Illinois Turfgrass and Landscape Horticulture Field Day,
 Dept Natural Resources and Environmental Sciences (2002, 2003)
 Biology Distinction Committee, Schools of Integrative Biology, Molecular and Cellular Biology
 (2004, 2006-2007, chair 2007-08, 2016-17)
 Search committee for head of the Center of Ecological Entomology, Illinois Natural History
 Survey (2005)
 School of Integrative Biology representative on steering committee for the Program in Ecology,
 Evolution, and Conservation Biology (2006-2007)
 Judge, Student prize for outstanding innovation and invention, Lemelson-MIT Foundation,
 Technology Entrepreneur Center, College of Engineering (2007, 2008, 2009)
 UIUC Faculty Senate (2007-2008)
 Participant in focus group conducted by the Committee on Faculty Retention, Office of the
 Provost and Chancellor (III 2009)
 School of Integrative Biology Executive Committee (2010-2012)
 Search committee for Assistant of Associate Professor of Integrative Insect Biology position,
 Department of Entomology (2012)

Public Service

Presentation on invasive exotic wood-boring insects, Annual meeting Research Committee of
 California Assoc. Nurserymen, Riverside, CA (X 1989)
 Presentation on invasive exotic wood-boring insects, annual Entomology Conference, Univ.
 California at Riverside, CA (1990-1995)
 Presentation on invasive exotic wood-boring insects, Annual meeting Univ. California Biomass
 Workgroup, Napa, CA (XI 1990)
 Presentation on invasive exotic wood-boring insects, Annual meeting Calif. For. Pest Council,
 Sacramento, CA (XI 1990, 1991, 1994, 1995)

- Presentation on wood-boring insect pests, Rancho Santa Fe Association, Rancho Santa Fe, CA (VII 1991)
- Presentation, Annual Southwest Ornamental Pest Management Workshop, Albuquerque, NM (II 1992)
- Presentation on invasive exotic wood-boring insects, Landscape Management Research Conference, Univ. California at Riverside, CA (IX 1992, 1994, 1995)
- Presentation in workshop on eucalyptus borer biology, ecology, and control, California Departments of Transportation, Forestry and Fire Protection: San Bernardino (IV 1993), Sacramento (VI 1993), Oakland (VIII 1993)
- Presentation on invasive exotic wood-boring insects, Spring meeting of the Southern California Pest Committee, California Dept Forest and Fire Protection, Riverside, CA (V 1994)
- Consultant to Campus Planning Office, Univ. California, San Diego, on health status of campus trees (X 1994)
- Cooperator, with Drs. JG Millar, TD Paine, GD Tribe, Plant Protection Research Institute, Cape Town, Republic of South Africa, on establishing biological control agents for the eucalyptus longhorned borer in South Africa (1994-1995)
- Presentation on invasive exotic wood-boring insects, Meeting of the Entomological Association of Southern California, Arcadia, CA (VI 1995)
- Consultant to J Paul Getty Museum in selecting resistant eucalypt species for planting on the grounds of the new museum in Los Angeles, CA (VII 1996)
- Presentation on invasive exotic wood-boring insects, Meeting of the Professional Tree Care Association of San Diego, CA (X 1995)
- Presentation on invasive pests of eucalypts, Regional meeting California Urban Forest Council (III 1996)
- Consultant to John W Dale, technical coordinator, in preparation of "*California Forest Health in 1994 and 1995*", publication R5-FPM-PR-002, USDA Forest Service, Pacific Southwest Region (XII 1996)
- Representative of Illinois Agricultural Experiment Station to USDA-CSREES Cooperative Regional Project NCR-193 "*Maintaining plant health: Managing insect pests and diseases of landscape plants*"; (1998-1999), committee member (2000-2001)
- Member of scientific advisory panel for USDA Animal and Plant Health Inspection Service on the Asian Longhorned Beetle (1998-2001)
- Consultant for selecting recipient of *Sterling Prize*, Simon Fraser Univ., Vancouver, BC (1998)
- Consultant to Dr. Steven M Bylina, Deputy Commissioner, Dept Streets and Sanitation for City of Chicago, management of Asian longhorned beetle (VIII 1998)
- Consultant to JJ McCarthy, Senior Forester for City of Chicago, representing Mayor Daley at Mayor's Conference in Arizona; information on eucalyptus longhorned borer project as a model system for managing Asian Longhorned Beetle in Chicago (XI 1998)
- Provided display on Asian Longhorned Beetle for UIUC Dept Entomology Insect Expo (X 1998, 1999)
- Presentation on insects to 4th grade class of Saint Mathew's Parish School, Pacific Palisades, CA (XII 1998)
- Consultant to Bruce Steward, R&D development for Bayer Corporation, on use of insecticide Merit against scale insects (II 1999)
- Consultant to Joe Boggs, Ohio State Univ. Cooperative Extension, for Buckeye Yard and Garden Line about methods of managing Asian longhorned beetle (III 1999)

- Presentation for *I Love to Read Day* for 2nd grade class, Thomas Paine School, Urbana, IL (VI 1999)
- Consultant to USDA Inter-agency Research Planning Meeting: Asian longhorned beetle Riverdale, MD (IV 1999)
- Consultant to Sharon J Collman, Center for Urban Horticulture, Univ. Washington Seattle, WA, on managing lecanium scale on street trees (IX 1999)
- Fact checker for Audubon Magazine, Chris Chang, article on Asian longhorned beetle (X 1999)
- Member of science panel for eradication program against the Asian Longhorned Beetle, USDA Animal and Plant Health Inspection Service, Plant Protection and Quarantine (IX 1998)
- Consultant to SI Seewooruthus, Acting Principal Research and Development Officer, Ministry of Agriculture, Reduit, Mauritius, Indian Ocean, on methods of managing wood-boring pests of eucalypts (XI 1999)
- Contribution of photos for article by KM Jetter et al. "Household willingness to pay for biological and chemical public pest control programs" in Update—Agricultural and Resource Economics, U. C. Davis, Winter 1999 issue
- Consultant to Dan Gilrein, County Extension Specialist, Regional Entomology, Eastern Long Island; information on rearing exotic pest *Callidiellum rufipenne* (X 1999)
- Presentation about invasive exotic wood-boring insects, Rantoul Garden Club and Tree Committee, Rantoul, IL (V 2000)
- Consultant to EJ Dobsberger, Plant Health Risk Assessment Unit of the Science Division, Canadian Food Inspection Agency in developing a commodity-specific pest risk assessment for the brown spruce longhorn beetle (*Tetropium fuscum* F.) (VI 2000)
- Consultant to J Sweeney, Atlantic Forestry Centre, Canadian Forest Service on strategies for trapping the brown spruce longhorn beetle, and summarizing biological information for the media. (2000-2006)
- Consultant to Dr. Allan J Paul, Dept Veterinary Pathobiology, UIUC, about suspected parasite of horses (VIII 2000)
- Consultant to S Dunlop, Forestry Specialist, Forestry Section, Plant Health and Production Division, Canadian Food Inspection Agency, on methods for managing brown spruce beetle (VIII 2000)
- Consultant to Dr. Richard Wassersug, Dept Anatomy and Neurobiology, Dalhousie Univ., Halifax, Nova Scotia, on management of brown spruce beetle (X 2000)
- Consultant to Kluwer Academic Publishers (Biomedical Unit) on submitted book on biology of bagworms (I 2001)
- Reviewer of research program, USDA Forest Service, Insect Unit, NC-4501, East Lansing, MI (I 2001)
- Presentation about invasive exotic wood-boring insects, St. Joseph Garden Club, St. Joseph, IL (II 2001)
- Consultant to Mark Hardy, Hardy's Reindeer Farm, Rantoul, IL, on managing spider mites in Christmas tree plantations (V 2001)
- Consultant to Federico Ruiz Fernández, Centro de Investigación y Tecnología. Grupo Empresarial ENCE, Madrid, Spain; establishing biological control of invasive cerambycids (V 2001)
- Hosted visiting scientist Dr. An Yulin, Senior Agronomist, Chief of Plant Quarantine Laboratory, Nanjing, China, molecular research on Asian longhorned beetle (V 2001)

- Consultant to Ken Hobson, Dept Zoology, Univ. Oklahoma, on chemical ecology of longhorned beetles, for developing a management program for the red oak borer (VII 2001)
- Consultant to Ramus Capital, New York, Rep. Nick Vouloumanos, on threat of invasive woodborers to timber holdings in the Pacific States (2001)
- Presentation by LF Solter, M Keena, J Cate, M McManus, LMH, USDA Asian Longhorned Beetle Research and Development Program, College Park, MD (XI 2001)
- Presentation on biological control of scale insect pests in pine plantations, Annual meeting Illinois Christmas Tree Growers Association, Peoria, IL (II 2002)
- Provided beetle specimens for research to Eduardo Barata, Departamento de Biologia, Univ. de Évora, Portugal (VIII 2002)
- Research advisor, technology development team for a national action plan to manage Asian longhorned beetle, USDA-Animal and Plant Health Inspection Service, Forest Service, Agricultural Research Service (VIII 2002)
- Collaborator with D Seigler, Dr. Jacob Friedman (Dept Plant Science, Univ. Tel Aviv), in a study of chemical diversity in *Foeniculum vulgare* (2002)
- Consultant to rock musician Patty Smyth, domestic insect pests (IX 2002)
- Consultant to journalist Lawrence Pinsky, Montreal, Canada, on similarities between human and insects societies (IX 2002)
- Consultant to GL Hartman, Crop Sciences, UIUC, on bioassay methods for plant volatile attractants of aphids (X 2002)
- Consultant to Smaili M Charif, INRA, Laboratoire d'entomologie, Morocco, on identification of herbivorous insect of eucalypts (XI 2002)
- Member of the City of Urbana Tree Commission, Urbana, IL (I 2003 to present)
- Consultant to freelance writer Jim Grob, Seattle, WA, for article on biology and behavior of invasive longhorned beetles, published online at ScientificAmerican.com, "The beetle battle: How early, aggressive action against the citrus longhorned beetle, cousin of the destructive Asian longhorned beetle, have thwarted an ecological disaster" (II 2003)
- Presentation on insects to PlayTime Preschool, Urbana, IL (V 2003)
- Consultant to JD Barbour, Univ. Idaho, Parma Research and Extension Center, on identification of pheromones for the California prionus, a pest of hops (VII 2003)
- Consultant to A Ward, Stahmann Farms, Pallamallawa, Australia, on developing an integrated pest management program for *Agrianome spinicollis*, a pest of pecans (VII 2003)
- Consultant to M Landolt, Murdoch Univ., Perth, Australia, on methods of detecting wood borers in eucalypts (VII 2003)
- Consultant with JF Tooker to Cara Rosenbloom, Anthony DiMeo, Proc Pictures, on biology of gall wasps, and provision of images of gall wasps used in feature film *Kinsey* (Fox-Searchlight Pictures; released 2005) (VII 2003)
- Consultant to J Fisher, Manager of Monitoring Systems, Suterra LLC Biological Pest Control Products, Bend, OR, on pheromones of cerambycid beetles (I 2004)
- Consultant to DM Suckling, HortResearch, Auckland, New Zealand, on methods of surveying for the exotic wood borer *Neoclytus acuminatus acuminatus* (III 2004)
- Consultant to C Oehlschlager, ChemTica Internatl, Costa Rica, on semiochemical research on *Pseudophilus testaceus*, a cerambycid pest of palms in the Middle East (IV 2004)
- Consultant to Paul Barber, School of Biological Sciences & Biotechnology, Murdoch Univ., Perth, Australia, on chemical methods of controlling wood-boring beetles in eucalypts (V 2004)

- Consultant to Ellen M Engelhart, Research Technologist, Dept Entomology, The Pennsylvania State Univ., on methods of sampling volatiles from tree trunks (V 2004)
- Consultant to Laura Southworth, scientific illustrator, on examples of thermoregulation in insects for Campbell Biology text (V 2004)
- Cooperator with Claus Tittiger, Dept Biochemistry, Univ. Nevada, Reno, on PCR-based survey of cDNAs of wood-boring beetles for genes involved in detoxification of secondary compounds of pines (V 2004)
- Consultant with JF Tooker to Middlemarch Films on biology of gall wasps for documentary film *Charters of Freedom* (NOVA, PBS) (VI 2004)
- Consultant to Christopher Pierce, Coordinator for the Indiana Cooperative Agricultural Pest Survey, USDA-APHIS-PPQ, on invasive wood-boring insects (IX 2004, V 2005)
- Consultant to HM Robertson, Dept Entomology, UIUC, on identification of aphrodisiac pheromone in drosophila (XI 2004)
- Consultant to MA Schuler, Institute for Genomic Biology, UIUC, on methods of sampling and identifying plant volatiles (XI 2004)
- Dissertation committee member for EJ Rebek, Dept Entomology, Purdue Univ. (completed 2004)
- External examiner for KCM. Habib, Kenyatta Univ., Nairobi, Kenya (completed 2004)
- Cooperator with Kathleen Siwicki, Swarthmore College, Swarthmore, PA, on hydrocarbons that are behavioral cues in courtship of *Drosophila melanogaster* (XII 2004, VI 2005)
- Consultant to RS Cowles, Conn. Agr. Expn. Stn., Windsor, CT, on biological control of armored scale insects in Christmas tree plantations (II 2005)
- Consultant to RT Bauer, Dept Biology, Univ. Louisiana, Lafayette, LA, on methods of sampling cuticular hydrocarbons of shrimp (III 2005)
- Consultant to K Hoover, Penn. State Univ., on selecting cerambycid species for a study on symbionts (IV 2005)
- Consultant to Dick Bashford, Forest Entomology, Forestry Tasmania, Hobart, Tasmania, on plant volatiles as attractants for wood-boring beetles (IV 2005)
- Consultant to Jill M Mateo, Dept Comparative Human Development, Univ. Chicago, on methods of sampling semiochemicals of squirrels (VI 2005)
- Consultant to William Fagan, Dept Biology, Univ. Maryland, College Park, on field methods for studying the behavior of a wood-boring weevil (I 2006)
- Consultant to FR Fernández, Centro de Investigación y Tecnología de ENCE, Huelva, Spain, on biological control of wood-boring insects (I 2006)
- Consultant to Carlos E Coviella, Laboratorio de Ecología, Dept. Ciencias Básicas, Univ. Nac. Lujan, Buenos Aires, Argentina, on methods of rearing an Australian weevil that is an invasive exotic pest (III 2006)
- Advisor to Sharon Stanners, Release Management, SAS Institute, Cary, NC, on improvements to the installation process of SAS 9.1 (V 2006); reviewed support document delivery system for SAS 9.2 (III 2008)
- Consultant to N Gruenhagan, US Bureau of Reclamation, Mid-Pacific Region, on methods of detecting larvae of wood-boring insects in host plants (VI 2006)
- Provided eggs of longhorned beetles for host specificity trials of exotic parasitoids imported as biological control agents of emerald ash borer, US Forest Service, North Central Research Station (2006)

- Consultant to Dr. P Shrewsbury, Dept Entomology, Univ. Maryland, on methods of controlling mites in a insect rearing facility (IX 2006)
- External authority, dissertation committee member of M St-Germain, Dept Natural Resource Sciences, McGill Univ., Montreal, Canada (XII 2006)
- Consultant to Susan Villarreal, Dept Entomology, Cornell Univ., on reproductive behavior of cerambycid beetles (I 2007)
- Consultant to P Switzer, Eastern Illinois Univ., Charleston, on methods for identifying contact pheromone of Japanese beetle (2007)
- Consultant to John S Strazanac, Dept Plant and Soil Sciences, West Virginia Univ., Morgantown, WV, on techniques for rearing biological control agent of emerald ash borer (II 2007)
- Consultant to Michigan Dept. Ag. and USDA Forest Service on biological control program for emerald ash borer (V 2007)
- Consultant to JE Armstrong, Biological Sciences, Illinois State Univ., Normal, IL, on biology of galling insects of prairie plants (VII 2007)
- Advised UIUC Chancellor Richard Herman on methods of eliminating wood-boring pests that were emerging from rustic objects d'art in the home (IX 2007); identification of peridomestic pest (III 2008)
- Advised Dr. Michael Ward, Illinois Natural History Survey, on methods for controlling museum pests (XI 2007)
- Consultant to Amelia Wolf, Stanford Univ., on ecological relationships between ants and cerambycid beetles on *Acacia* trees in Africa (VI 2008)
- Consultant to S Sithanatham, Univ. Madras, India, on methods of controlling pest cerambycid species and identifying pheromones (X 2009)
- Consultant to Kamryn Rinckenberger, Houston Zoo, on methods of controlling mites in insect colonies (IV 2010)
- Consultant to Dr. Marwan Keshlaf, Ministry of Agriculture, University of Tripoli, Libya, on methods for trapping beetle vectors of pinewilt disease (I 2014)
- Consultant to Juli Gould, USDA-APHIS-PPQ-CPHST, Buzzards Bay, MA, on methods of trapping live beetles for testing host specificity of an exotic egg parasitoid that is a potential biological control agent (V 2014)
- Consultant to R. Maruthadurai, ICAR Research Complex, Old Goa, India, on methods of trapping cashew stem borer (VI 2014)
- Consultant to N. Bakthavatsalam, National Bureau of Agriculturally Important Insects, Bangalore, India, on methods of trapping cashew stem borer (VI 2014)
- Consultant to M. Schroder, Univ. Pretoria, South Africa, on methods of rearing a weevil pest of eucalypts (VII 14)
- Consultant to J. R. LaBonte, Oregon Dept. Agric., on trap design for wood-boring insects. (VIII 2014)
- Consultant to Jonathan King, Research Specialist, National Geographic Society, on identification of beetle species featured in an article. (X 2014)
- Consultant to Wayne Steffens, Minnesota Dept Nat. Res., on methods of trapping beetles to assess species diversity (IV 2015)

Publications

Book Chapters

- LMH, RF Denno. 1993. The role of demic adaptation in colonization and spread of scale insect populations, pp. 393-411. *In* KC Kim, BA McPherson (eds.), *Evolution of insect pests: Patterns of variation*. John Wiley and Sons, NY
- LMH, RF Denno. 1998. Dispersal and adaptive deme formation in sedentary coccoid insects. Pp. 239-262. *In* S Mopper, SY Strauss (eds.), *Genetic structure and local adaptation in natural insect populations: Effects of ecology, life history, and behavior*. Chapman Hall, NY
- Paine TD, JG Millar, LMH. 2004. Host preference testing for parasitoids of a eucalyptus borer in California. Pp. 138-142 *in* RG Van Driesche, R Reardon (eds.), *Assessing host ranges for parasitoids and predators used for classical biological control: A guide to best practice*. USDA-Forest Service, Forest Health Technology Enterprise Team, Morgantown, WV
- LMH. 2006. Changing relationships among biodiversity, management, and biosecurity in managed and unmanaged forests. Pp. 153-159 *In* TD Paine (ed.), *Invasive forest insects, Introduced forest trees, and altered ecosystems – Ecological pest management in global forests of a changing world*. Kluwer, The Netherlands
- Millar JG, LMH, JA Moreira, JD Barbour, ES Lacey. 2009. Pheromone chemistry of cerambycid beetles. Pp. 52-79 *In* K Nakamura, JG Millar (eds.), *Chemical ecology of wood-boring insects*. Forestry and Forest Products Research Institute, Ibaraki, Japan
- Hanks LM, Q Wang. 2016. Reproductive biology of cerambycids. *In*: Q Wang (ed.) *Cerambycidae of the world: biology and pest management*. CRC Press/Taylor & Francis, Boca Raton, FL (in press)
- Millar JG, Hanks LM. 2016. Chemical ecology of cerambycid beetles. *In*: Q Wang (ed.) *Cerambycidae of the world: biology and pest management*. CRC Press/Taylor & Francis, Boca Raton, FL (in press)

Articles

- 1) Bechtel RC, LMH, RW Rust. 1981. Orthopteroids of Sand Mountain and Blow Sand Mountains, Nevada. *Entomol News* 92:125–129
- 2) Miller G, J Warren, K Gohre, LMH. 1982. Gas chromatographic method for determining strychnine residues in alfalfa. *J Assoc Off Ana Chem* 65:901–903
- 3) Rust RW, LMH. 1982. Notes on the biology of *Aegialia hardyi* Gordon and Cartwright (Coleoptera: Scarabaeidae). *Pan-Pac Entomol* 58:319–325
- 4) Bechtel RC, LMH, RW Rust. 1983. Coleoptera of Sand Mountain and Blow Sand Mountains, Nevada. *Southwest Nat* 28:473–478
- 5) Miller GC, WW Miller, LMH, J Warren. 1983. Soil sorption and alfalfa uptake of strychnine. *J Environ Qual* 12:526–529
- 6) Rust RW, LMH, RC Bechtel. 1983. Aculeate Hymenoptera of Sand Mountain and Blow Sand Mountain, Nevada. *Great Basin Nat* 43:403–408
- 7) LMH, CS Sadof. 1990. The effect of ants on nymphal survivorship of *Coccus viridis* (Homoptera: Coccidae). *Biotropica* 22:210–213
- 8) LMH, TD Paine, JG Millar. 1991. Mechanisms of resistance in Eucalyptus against larvae of the eucalyptus longhorned borer (Coleoptera: Cerambycidae). *Environ Entomol* 20:1583–1588
- 9) LMH, JG Millar, TD Paine. 1991. Evaluation of cold temperatures and density as mortality factors of the eucalyptus longhorned borer (Coleoptera: Cerambycidae) in California. *Environ Entomol* 20:1653–1658

- 10) LMH, JS McElfresh, JG Millar, TD Paine. 1992. Control of the straw itch mite (Acari: Pyemotidae) in an insect rearing facility. *J Econ Entomol* 85:683–686
- 11) LMH, JS McElfresh, JG Millar, TD Paine. 1993. *Phoracantha semipunctata* (Coleoptera: Cerambycidae), a serious pest of Eucalyptus in California: biology and laboratory-rearing procedures. *Ann Entomol Soc Am* 86:96–102
- 12) LMH, RF Denno. 1993. Natural enemies and plant water relations influence the distribution of an armored scale insect. *Ecology* 74:1081–1091
- 13) LMH, RF Denno. 1993. The white peach scale, *Pseudaulacaspis pentagona* (Targioni-Tozzetti) (Homoptera: Diaspididae): life history in Maryland, host plants, and natural enemies. *Proc Entomol Soc Wash* 95:79–98
- 14) LMH, TD Paine, JG Millar. 1993. Host species preference and larval performance in the phloem-boring beetle *Phoracantha semipunctata* F. *Oecologia* 95:22–29
- 15) Paine TD, JG Millar, TS Bellows, LMH, JR Gould. 1993. Integrating classical biological control with plant health in the urban forest. *J Arboriculture* 19:125–130
- 16) LMH, RF Denno. 1994. Local adaptation in the armored scale insect *Pseudaulacaspis pentagona* (Targioni-Tozzetti) (Homoptera: Diaspididae). *Ecology* 75:2301–2310
- 17) LMH, TD Paine, JG Millar, JL Hom. 1995. Variation among *Eucalyptus* species in resistance to Eucalyptus longhorned borer in California. *Entomol Exp Appl* 74: 185-194
- 18) LMH, JG Millar, TD Paine. 1995. Biological constraints on host range expansion by the wood-boring beetle *Phoracantha semipunctata* F. (Coleoptera: Cerambycidae). *Ann Entomol Soc Am* 88:183–188
- 19) LMH, JR Gould, TD Paine, JG Millar, Q Wang. 1995. Biology and host relations of *Avetianella longoi* (Hymenoptera: Encyrtidae), an egg parasitoid of the eucalyptus longhorned borer (Coleoptera: Cerambycidae). *Ann Entomol Soc Am* 88:666–671
- 20) LMH, JG Millar, TD Paine. 1996. Mating behavior of the eucalyptus longhorned borer (Coleoptera: Cerambycidae) and the adaptive significance of long “horns”. *J Insect Behav* 9:383–393
- 21) LMH, JG Millar, TD Paine. 1996. Body size influences mating success of the eucalyptus longhorned borer (Coleoptera: Cerambycidae). *J Insect Behav* 9:369–382
- 22) Paine TD, JG Miller, TS Bellows, LMH. 1997. Enlisting an underappreciated clientele: public participation in distribution and evaluation of natural enemies in urban landscapes. *Am Entomol* 43:163–172
- 23) LMH, C Campbell, TD Paine, JG Millar. 1997. Host range expansion of *Helcostizus rufiscutum* Cushman (Hymenoptera: Ichneumonidae) to *Phoracantha semipunctata* Fabr. (Coleoptera: Cerambycidae) in California. *Pan-Pac Entomol* 73:190–191
- 24) LMH, JG Millar, TD Paine. 1998. Dispersal of the eucalyptus longhorned borer (Coleoptera: Cerambycidae) in urban landscapes. *Environ Entomol* 27:1418–1424
- 25) LMH. 1999. Influence of the larval host plant on reproductive strategies of cerambycid beetles. *Annu Rev Entomol* 44:483–505
- 26) LMH, TD Paine, JG Millar, CD Campbell, UK Schuch. 1999. Water relations of host trees and resistance to the phloem-boring beetle *Phoracantha semipunctata* F. (Coleoptera: Cerambycidae). *Oecologia* 119:400–407
- 27) Tooker JF, LMH. 1999. Dwarf millipedes (Diplopoda: Polyxenidae) on pines in an ornamental landscape. *Proc Entomol Soc Wash* 101:696–697
- 28) Tooker JF, LMH. 2000. Flowering plant hosts of adult hymenopteran parasitoids of central Illinois. *Ann Entomol Soc Am* 93:580–588

- 29) Moore RG, LMH. 2000. Avian predation of the evergreen bagworm (Lepidoptera: Psychidae). *Proc Entomol Soc Wash* 102:350–352
- 30) LMH, JG Millar, TD Paine, CD Campbell. 2000. Classical biological control of the Australian weevil *Gonipterus scutellatus* (Coleoptera: Curculionidae) in California. *Environ Entomol* 29:369–375
- 31) Lühring K, TD Paine, JG Millar, LMH. 2000. Suitability of the eggs of two species of eucalyptus longhorned borers (*Phoracantha recurva* and *P. semipunctata*) as hosts for the encyrtid parasitoid *Avetianella longoi*. *Biol Control* 19:95–104
- 32) Grafton-Cardwell EE, JG Millar, NV O’Connell, LMH. 2000. Sex pheromone of yellow scale, *Aonidiella citrina* (Homoptera: Diaspididae): Evaluation as an IPM tactic. *J Agr Urban Entomol* 17:75–88
- 33) Paine TD, LMH, JG Millar, EO Paine. 2000. Attractiveness and suitability of host tree species for colonization and survival of *Phoracantha semipunctata* (Coleoptera: Cerambycidae). *Can Entomol* 132:907–915
- 34) Paine TD, E. Paine, LMH, JG Millar. 2000. Resource partitioning among parasitoids (Hymenoptera: Braconidae) of *Phoracantha semipunctata* in their native range. *Biol Control* 19:223–231
- 35) Tooker JF, LMH. 2000. Influence of plant community structure on natural enemies of pine needle scale (Homoptera: Diaspididae) in urban landscapes. *Environ Entomol* 29: 1305–1311
- 36) Paine TD, JG Millar, EO Paine, LMH. 2001. Influence of log age and refuge from natural enemies on colonization and survival of *Phoracantha semipunctata*. *Entomol Exp Appl* 98:157–163
- 37) LMH, JG Millar, TD Paine, Q Wang, EO Paine. 2001. Patterns of host utilization by two parasitoids (Hymenoptera: Braconidae) of the eucalyptus longhorned borer (Coleoptera: Cerambycidae). *Biol Control* 21:152–159
- 38) Solter LF, M Keena, JR Cate, ML McManus, LMH. 2001. Infectivity of four species of nematodes (Rhabditoidea: Steinernematidae, Heterorhabditidae) to the Asian longhorn beetle, *Anoplophora glabripennis* (Motschulsky) (Coleoptera: Cerambycidae). *Biocontrol Sci Tech* 11:547–552
- 39) Joyce AL, JG Millar, TD Paine, LMH. 2002. The effect of host size on the sex ratio of *Syngaster lepidus*, a parasitoid of eucalyptus longhorned borers (*Phoracantha* spp.). *Biol Control* 24:207–213
- 40) Millar JG, TD Paine, CD Campbell, LMH. 2002. Methods for rearing *Syngaster lepidus* and *Jarra phoracantha* (Hymenoptera: Braconidae), larval parasitoids of the phloem-colonizing longhorned beetles *Phoracantha semipunctata* and *P. recurva* (Coleoptera: Cerambycidae). *Bull Entomol Res* 92:141–146
- 41) Tooker JF, PF Reagel, LMH. 2002. Nectar sources of day-flying Lepidoptera of Central Illinois. *Ann Entomol Soc Am* 95:84–96
- 42) Ginzel MD, LMH. 2002. Evaluation of synthetic hydrocarbons for mark-recapture studies on the red milkweed beetle. *J Chem Ecol* 28:1037–1043
- 43) Tooker JF, WA Koenig, LMH. 2002. Altered host plant volatiles are proxies for sex pheromones in the gall wasp *Antistrophus rufus*. *Proc. Natl Acad. Sci. USA* 99:15486–15491
- 44) Reagel PF, MD Ginzel, LMH. 2002. Aggregation and mate location in the red milkweed beetle (Coleoptera: Cerambycidae). *J Insect Behav* 15:811–830

- 45) Millar JG, TD Paine, AL Joyce, LMH. 2003. The effects of *Eucalyptus* pollen on longevity and fecundity of eucalyptus longhorned borers (Coleoptera: Cerambycidae). *J Econ Entomol* 96:370–376
- 46) Ginzel MD, GJ Blomquist, JG Millar, LMH. 2003. Role of contact pheromones in mate recognition in *Xylotrechus colonus*. *J Chem Ecol* 29:533–545
- 47) Ginzel MD, LMH. 2003. Contact pheromones as mate recognition cues of four longhorned beetle species (Coleoptera: Cerambycidae). *J Insect Behav* 16:181–187
- 48) Favret C, JF Tooker, LMH. 2003. *Iowana frisoni* Hottes (Hemiptera: Aphididae) redescribed, with notes on its biology. *Proc Entomol Soc Wash* 106:26–34
- 49) Ginzel MD, JG Millar, LMH. 2003. (Z)-9-Pentacosene—contact sex pheromone of the locust borer, *Megacyllene robiniae*. *Chemoecology* 13:135–141
- 50) Tooker JF, LMH. 2004. Stereochemistry of host plant monoterpenes as mate location cues for the gall wasp *Antistrophus rufus*. *J Chem Ecol* 30:473–477
- 51) Tooker JF, AR Deans, LMH. 2004. Description of the *Antistrophus rufus* (Hymenoptera: Cynipidae) species complex, including two new species. *J Hymenoptera Res* 13:125–133
- 52) Moore RG, LMH. 2004. Aerial dispersal and host plant selection by neonate *Thyridopteryx ephemeraeformis* (Lepidoptera: Psychidae). *Ecol Entomol* 29:327–336
- 53) Fallon DJ, LF Solter, M Keena, M McManus, JR Cate, LMH. 2004. Susceptibility of Asian longhorned beetle, *Anoplophora glabripennis* (Motschulsky) (Coleoptera: Cerambycidae) to entomopathogenic nematodes. *Biol Control* 30:430–438
- 54) Paine TD, AL Joyce, JG Millar, LMH. 2004. Effect of variation in host size on the sex ratio, size, and survival of *Syngaster lepidus*, a parasitoid of eucalyptus longhorned beetles (*Phoracantha* spp.), II. *Biol Control* 30:374–381
- 55) Tooker JF, LMH. 2004. Trophic position of the endophytic beetle *Mordellistena aethiops* Smith (Coleoptera: Mordellidae). *Environ Entomol* 33:291–296
- 56) Lühring KA, JG Millar, TD Paine, D Reed, LMH, H Christiansen. 2004. Ovipositional preferences and progeny development of the egg parasitoid *Avetianella longoi*: factors mediating replacement of one species by a congener in a shared habitat. *Biol Control* 30:382–391 (see corrigendum, *Biol Control* 31:257)
- 57) Tooker JF, LMH. 2004. Impact of prescribed burning on endophytic insect communities of prairie perennials (Asteraceae: *Silphium* spp.). *Biodiv Conserv* 13:1875–1888
- 58) Lacey ES, MD Ginzel, JG Millar, LMH. 2004. Male-produced aggregation pheromone of the cerambycid beetle *Neoclytus acuminatus acuminatus*. *J Chem Ecol* 30:1493–1507
- 59) Tooker JF, LMH. 2004. Endophytic insect communities of two prairie perennials (Asteraceae: *Silphium* spp.). *Biodiv Conserv* 13:2551–2566
- 60) Ginzel MD, LMH. 2005. Role of host plant volatiles in mate location for three species of longhorned beetles. *J Chem Ecol* 31:213–217
- 61) LMH, TD Paine, JG Millar. 2005. Influence of the larval environment on performance and adult body size of the wood-boring beetle *Phoracantha semipunctata*. *Entomol Exp Appl* 114:25–34
- 62) Tooker JF, AL Crumrin, LMH. 2005. Plant volatiles are behavioral cues for the adult females of the gall wasp *Antistrophus rufus*. *Chemoecology* 15:85–88
- 63) Rebek EJ, CS Sadof, LMH. 2005. Manipulating the abundance of natural enemies in ornamental landscapes with floral resource plants. *Biol Control* 33:203–216
- 64) Ellis JA, AD Walter, JF Tooker, MD Ginzel, PF Reagel, ES Lacey, AB Bennett, EM Grossman, LMH. 2005. Conservation biological control in urban landscapes: Manipulating

- parasitoids of bagworm (Lepidoptera: Psychidae) with flowering forbs. *Biol Control* 34:99–107
- 65) Rebeck EJ, CS Sadof, LMH. 2006. Influence of floral resource plants on control of an armored scale pest by the parasitoid *Encarsia citrina* (Craw.) (Hymenoptera: Aphelinidae). *Biol Control* 37:320–328
- 66) Tooker JF, M Hauser, LMH. 2006. Floral host plants of Syrphidae and Tachinidae (Diptera) of central Illinois. *Ann Entomol Soc Am* 99:96–112
- 67) Tooker JF, LMH. 2006. Tritrophic interactions and reproductive fitness of the prairie perennial *Silphium laciniatum* Gillette (Asteraceae). *Environ Entomol* 35:537–545
- 68) Ginzl MD, JA Moreira, AM Ray, JG Millar, LMH. 2006. (Z)-9-nonacosene - major component of the contact sex pheromone of the beetle *Megacyllene caryae*. *J Chem Ecol* 32:435–451
- 69) Ray AM, ES Lacey, LMH. 2006. Predicted taxonomic patterns in pheromone production by longhorned beetles. *Naturwissenschaften* 93:543–550
- 70) Cervantes DE, LMH, ES Lacey, JD Barbour. 2006. First documentation of a volatile sex pheromone in a longhorned beetle (Coleoptera: Cerambycidae) of the primitive subfamily Prioninae. *Ann Entomol Soc Am* 99:718–722
- 71) Barbour JD, DE Cervantes, ES Lacey, LMH. 2006. Calling behavior in the primitive longhorned beetle *Prionus californicus* Mots. *J Insect Behav* 19:623–629
- 72) Lacey ES, JA Moreira, JG Millar, AM Ray, LMH. 2007. Male-produced aggregation pheromone of the cerambycid beetle *Neoclytus mucronatus mucronatus*. *Entomol Exp Appl* 122:171–179
- 73) Lacey ES, AM Ray, LMH. 2007. Calling behavior of the cerambycid beetle *Neoclytus acuminatus acuminatus*. *J Insect Behav* 20:117–128
- 74) Barbour JD, ES Lacey, LMH. 2007. Cuticular hydrocarbons mediate mate recognition in a species of longhorned beetle (Coleoptera: Cerambycidae) of the primitive subfamily Prioninae. *Ann Entomol Soc Am* 100:333–338
- 75) LMH, JG Millar, JA Moreira, JD Barbour, ES Lacey, JS McElfresh, FR Reuter, AM Ray. 2007. Using generic pheromone lures to expedite identification of aggregation pheromones for the cerambycid beetles *Xylotrechus nauticus*, *Phymatodes lecontei*, and *Neoclytus modestus modestus*. *J Chem Ecol* 33:889–907
- 76) Reed DA, KA Luhning, CA Stafford, AK Hansen, JG Millar, LMH, TD Paine. 2007. Host defensive response against an egg parasitoid involves cellular encapsulation and melanization. *Biol Control* 41:214–222
- 77) Lacey ES, JA Moreira, JG Millar, LMH. 2008. A male-produced aggregation pheromone blend consisting of alkanediols, terpenoids, and an aromatic alcohol from the cerambycid beetle *Megacyllene caryae*. *J Chem Ecol* 34:408–417
- 78) Lacey ES, MD Ginzl, JG Millar, LMH. 2008. 7-methylheptacosane is a major component of the contact sex pheromone of the cerambycid beetle *Neoclytus acuminatus acuminatus*. *Physiol Entomol* 33:209–216
- 79) Moser SE, M Alleyne, R. Wiedenman, LMH. 2008. Influence of oviposition experience on multiparasitism between *Pimpla disparis* Vierick and *Itopectis conquisitor* Say (Hymenoptera: Ichneumonidae). *Environ Entomol* 37:1307–1312
- 80) Mitchell RF, LMH. 2008. Insect frass as a pathway for transmission of bacterial wilt of cucurbits. *Environ Entomol* 38:395–403

- 81) LMH, JD Barbour, K Kratz, WC Webb. 2009. *Ad libitum* water source for a common raven. *Wilson J Ornith* 121:210–212
- 82) Ray AM, MD Ginzl, LMH. 2009. Male *Megacyllene robiniae* (Coleoptera: Cerambycidae) use multiple tactics when aggressively competing for mates. *Environ Entomol* 38:425–432
- 83) Ray AM, JG Millar, JS McElfresh, IP Swift, JD Barbour, LMH. 2009. Male-produced aggregation pheromone of the cerambycid beetle *Rosalia funebris*. *J Chem Ecol* 35:96–103
- 84) Philpott DE, SH Berlocher, RF Mitchell, LMH. 2009. Molecular validation of a morphological character for distinguishing between the armored scale insects *Chionaspis pinifoliae* and *C. heterophyllae* (Hemiptera: Diaspididae). *Ann Entomol Soc Am* 102:381–385
- 85) Rodstein J, JS McElfresh, JD Barbour, AM Ray, LMH, J.G. Millar. 2009. Identification and synthesis of a female-produced sex pheromone for the cerambycid beetle *Prionus californicus*. *J Chem Ecol* 35:590–600
- 86) Richardson ML, LMH. 2009. Effects of grassland succession on communities of orb-weaving spiders. *Environ Entomol* 38:1595–1599
- 87) Richardson ML, LMH. 2009. Partitioning of niches among four species of orb-weaving spiders in a grassland habitat. *Environ Entomol* 38: 651–656
- 88) Lacey ES, JG Millar, JA Moreira, LMH. 2009. Male-produced aggregation pheromones of the cerambycid beetles *Xylotrechus colonus* and *Sarosesthes fulminans*. *J Chem Ecol* 35:733–740
- 89) Rutledge CE, JG Millar, CM Ramero, LMH. 2009. Identification of an important component of the contact sex pheromone of *Callidiellum rufipenne* (Coleoptera: Cerambycidae). *Environ Entomol* 38:1267–1275.
- 90) Ray AM, IP Swift, JA Moreira, JG Millar, LMH. 2009. (*R*)-3-hydroxyhexan-2-one is a major pheromone component of *Anelaphus inflaticollis* (Coleoptera: Cerambycidae). *Environ Entomol* 38:1462–1466
- 91) Richardson ML, RF Mitchell, PF Reagel, LMH. 2010. Causes and consequences of cannibalism in non-carnivorous insects. *Annu Rev Entomol* 55:39–53
- 92) Graham EE, RF Mitchell, PF Reagel, JD Barbour, JG Millar, LMH. 2010. Treating panel traps with a fluoropolymer enhances their efficiency in capturing cerambycid beetles. *J Econ Entomol* 103:641–647
- 93) Rodstein J, JG Millar, JD Barbour, JS McElfresh, IM Wright, KS Barbour, AM Ray, LMH. 2011. Determination of the relative and absolute configurations of the female-produced sex pheromone of the cerambycid beetle *Prionus californicus*. *J Chem Ecol* 37:114–124
- 94) Ray AM, A Žunič, RL Alten, JS McElfresh, LMH, JG Millar. 2011. *cis*-Vaccenyl acetate, a sex attractant pheromone of *Ortholeptura valida*, a longhorned beetle in the subfamily Lepturinae. *J Chem Ecol* 37:173–178
- 95) Barbour JD, JG Millar, J Rodstein, AM Ray, DG Alston, M Rejzek, JD Dutcher, LM Hanks. 2011. Synthetic 3,5-dimethyldodecanoic acid serves as a general attractant for multiple species of *Prionus* (Coleoptera: Cerambycidae). *Ann Entomol Soc Am* 104:588–593
- 96) Maki EC, JG Millar, J Rodstein, LMH, JD Barbour. 2011. Evaluation of mass trapping and mating disruption for managing *Prionus californicus* Motschulsky (Coleoptera: Cerambycidae) in hop production yards. *J Econ Entomol* 104:933–938
- 97) Maki EC, J Rodstein, JG Millar, KS Barbour, LMH, JD Barbour. 2011. Synthesis and field tests of possible minor components of the sex pheromones of *Prionus californicus*. *J Chem Ecol* 37:714–716

- 98) Teale SA, JD Wickham, F Zhang, J Su, Y Chen, W Xiao, LMH, JG Millar. 2011. A male-produced aggregation pheromone of *Monochamus alternatus* (Coleoptera: Cerambycidae), a major vector of pine wood nematode. *J Econ Entomol* 104:1592–1598
- 99) Kluger EC, SH Berlocher, JF Tooker, LMH. Consequences of habitat fragmentation for the prairie-endemic weevil *Haploryhynchites aeneus* (Boehman). *Insect Conserv Divers* 40:1388–1396
- 100) Richardson ML, LMH. 2011. Differences in spatial distribution, morphology, and communities of herbivorous insects among three cytotypes of *Solidago altissima* L. (Asteraceae). *Am J Botany* 98:1595–1601
- 101) Mitchell RF, EE Graham, JCH Wong, PF Reagel, BL Striman, GP Hughes, MA Paschen, MD Ginzler, JG Millar, LMH. 2011. Fuscumol and fuscumol acetate are general attractants for many species of cerambycid beetles in the subfamily Lamiinae. *Entomol Exp Appl* 141:71–77
- 102) Fierke MK, DD Skabeikis, JG Millar, SA Teale, JS McElfresh, LMH. 2012. Identification of a male-produced aggregation pheromone for *Monochamus scutellatus scutellatus* and an attractant for the congener *Monochamus notatus* (Coleoptera: Cerambycidae). *J Econ Entomol* 105:2029–2034
- 103) Graham EE, JF Tooker, LMH. 2012. Floral host plants of adult beetles in Central Illinois: An historical perspective. *Ann Entomol Soc Am* 105:287–297
- 104) Hanks LM, JG Millar, JA Mongold-Diers, JCH Wong, LR Meier, PF Reagel, RF Mitchell. 2012. Using blends of cerambycid beetle pheromones and host plant volatiles to simultaneously attract a diversity of cerambycid species. *Can J For Res* 42:1050–1059
- 105) Macias-Samano JE, D Wakerchuk, JG Millar, LMH. 2012. 2-Undecyloxy-1-ethanol in combination with other semiochemicals attracts three *Monochamus* species (Coleoptera: Cerambycidae) in British Columbia, Canada. *Can Entomol* 144:821–825
- 106) Mitchell RF, DT Hughes, CW Luetje, JG Millar, F Soriano-Agatón, LMH, HM Robertson. 2012. Sequencing and characterizing odorant receptors of the cerambycid beetle *Megacyllene caryae*. *Insect Biochem Mol Biol* 42:499–505
- 107) Smith AA, JG Millar, LMH, AV Suarez. 2012. Experimental evidence that workers recognize reproductives through cuticular hydrocarbons in the ant *Odontomachus brunneus*. *Behav Ecol Sociobiol* 66:1267–1276
- 108) Ray AM, JD Barbour, JS McElfresh, J. A. Moreira, I. Swift, I. M. Wright, A. Žunic, RF Mitchell, EE Graham, R. L. Alten, JG Millar, LMH. 2012. 2,3-Hexanediols as sex attractants and a female-produced sex pheromone for cerambycid beetles in the prionine genus *Tragosoma*. *J Chem Ecol* 38:1151–1158
- 109) Reagel PF, MT Smith, LMH. 2012. Effects of larval host diameter on body size, adult density, and parasitism of cerambycid beetles. *Can Entomol* 144:1–4
- 110) Wong JCH, RF Mitchell, BL Striman, JG Millar, LMH. 2012. Blending synthetic pheromones of cerambycid beetles to develop trap lures that simultaneously attract multiple species. *J Econ Entomol* 105:906–915
- 111) Hanks LM, JG Millar. 2013. Field bioassays of cerambycid pheromones reveal widespread parsimony of pheromone structures, enhancement by host plant volatiles, and antagonism by components from heterospecifics. *Chemoecology* 23:21–44
- 112) Mitchell RF, JG Millar, LMH. 2013. Blends of (*R*)-3-hydroxyhexan-2-one and alkan-2-ones identified as potential pheromones produced by three species of cerambycid beetles. *Chemoecology* 23:121–127

- 113) Pajares JA, G Alvarez, DR Hall, P Douglas, F Centeno, N Ibarra, M Schroeder, SA Teale, Z Wang, S Yan, JG Millar, LMH. 2013. 2-Undecyloxy)-ethanol is a major component of the male-produced aggregation pheromone of *Monochamus sutor*. *Entomol Exp Appl* 149:118–127
- 114) Smith AA, JG Millar, LMH, AV Suarez. 2013. A conserved fertility signal despite population variation in the cuticular chemical profile of the trap-jaw ant *Odontomachus brunneus*. *J Experimental Biol* 216:3917–3924
- 115) Smith AA, W Vanderpool, JG Millar, LMH, AV Suarez. 2014. Conserved male-specific cuticular hydrocarbon patterns in the trap-jaw ant *Odontomachus brunneus*. *Chemoecology* 24:29–34
- 116) Wikham JD, RD Harrison, W Lu, Z Guo, JG Millar, LMH, Y Chen. 2014. Generic pheromone lures as attractants for cerambycid beetles in an Asian tropical montane rainforest. *J Econ Entomol* 107:259–267
- 117) Hanks LM, PF Reagel, RF Mitchell, JCH Wong, LR Meier, CA Silliman, EE Graham, BL Striman, KP Robinson, JA Mongold-Diers, JG Millar. 2014. Seasonal phenology of the cerambycid beetles of east-central Illinois. *Ann Entomol Soc Am* 107:211–226
- 118) Handley K, Hough-Goldstein J, Hanks LM, Millar JG, D'Amico V (2015) Species richness and phenology of cerambycid beetles in urban forest fragments of northern Delaware. *Ann Entomol Soc Am* 108:251–262
- 119) Hansen L, Tian X, Wickham J, Chen Y, Hanks LM, Millar JG, Teale SA (2015) Identification of a male-produced pheromone component of the citrus longhorned beetle, *Anoplophora chinensis*. *PLOS ONE* 10:e0134358
- 120) Mitchell RF, Reagel PF, Wong JCH, Meier LR, Silva WD, Mongold-Diers J, Millar JG, Hanks LM (2015) Cerambycid beetle species with similar pheromones are segregated by phenology and minor pheromone components. *J Chem Ecol* 41:431–440
- 121) Narai Y, Zou Y, Nakamuta K, Mongold-Diers JA, Hanks LM, Millar JG (2015) Candidate aggregation pheromones of two potentially invasive Asian cerambycid species in the genus *Xylotrechus*. *J Econ Entomol* 108:1444–1446
- 122) Paine TD, Millar JG, Hanks LM, Gould J, Wang Q, Daane K, Dahlsten DL, Peterson EG (2015) Cost-benefit analysis for biological control programs that targeted insect pests of eucalypts in urban landscapes of California. *J Econ Entomol* 108:2497–2504
- 123) Ray AM, Millar JG, Moreira JA, McElfresh JS, Mitchell RF, Barbour JD, Hanks LM (2015) North American species of cerambycid beetles in the genus *Neoclytus* share a common hydroxyhexanone-hexanediol pheromone structural motif. *J Econ Entomol* 108:1860–1868
- 124) Zou Y, Millar JG, Blackwood JS, Duzor RV, Hanks LM, Mongold-Diers JA, Wong JCH, Ray AM (2015) (2*S*,4*E*)-2-hydroxyoct-4-en-3-one, a male-produced attractant pheromone of the cerambycid beetle *Tylonotus bimaculatus*. *J Chem Ecol* 41:670–677
- 125) Collignon MR, Swift I, Zou Y, McElfresh JS, Hanks LM, Millar JG (2016) The influence of host plant volatiles on the attraction of longhorned beetles (Coleoptera: Cerambycidae) to pheromones. *J Chem Ecol* 42:215–229
- 126) Dunn E, Hough-Goldstein J, Hanks LM, Millar JG, D'Amico V (2016) Range of attraction of pheromone lures and dispersal behavior of cerambycid beetles. *Ann Entomol Soc Am* 109:872-880
- 127) Hanks LM, Millar JG (2016) Sex and aggregation pheromones of cerambycid beetles: basic science and practical applications. *Semiochemicals in Pest Management*, a special issue of *J Chem Ecol* 42:631–654

- 128) Hayes RA, Griffiths MW, Nahrung HF, Arnold PA, Hanks LM, Millar JG (2016) Optimizing generic cerambycid pheromone lures for Australian biosecurity and biodiversity monitoring. *J Econ Entomol* 109:1741–1749
- 129) Hughes GP, Meier LR, Zou Y, Millar JG, Hanks LM, Ginzal MD (2016) Stereochemistry of fuscumol and fuscumol acetate influences attraction of longhorned beetles of the subfamily Lamiinae. *Environ Entomol* 45:1271–1275
- 130) Meier LR, Zou Y, Millar JG, Mongold-Diers JA, Hanks LM (2016) Synergism between enantiomers creates species-specific pheromone blends and minimizes cross-attraction for two species of cerambycid beetles. *J Chem Ecol* 42:1181–1192
- 131) Schmeelk TC, Millar JG, Hanks LM (2016) Influence of trap height and bait type on abundance and species diversity of cerambycid beetles captured in forests of east-central Illinois. *J Econ Entomol* 109:1750–1757
- 132) Silva WD, Millar JG, Hanks LM, Bento JMS (2016) 10-Methyldodecanal, a novel attractant pheromone produced by males of the South American cerambycid beetle *Eburodacrys vittata*. *PLOS ONE* 11:e0160727
- 133) Silva WD, Millar JG, Hanks LM, Bento JMS (2016) (6*E*,8*Z*)-6,8-pentadecadienal, a novel attractant pheromone produced by males of the cerambycid beetles *Chlorida festiva* and *Chlorida costata*. *Ann Entomol Soc Am* 42:1082–2085
- 134) Wickham JD, Lu W, Jin T, Peng Z, Guo D, Millar JG, Hanks LM, Chen Y (2016) Prionic acid: an effective sex attractant for an important pest of sugarcane, *Dorystenes granulosus* (Coleoptera: Cerambycidae: Prioninae) *J Econ Entomol* 109:484–486
- 135) Wickham JD, Lu W, Zhang L-W, Chen Y, Zou Y, Hanks LM, Millar JG (2016) Identification of likely aggregation-sex pheromones of the invasive beetle *Callidiellum villosulum*, and the related Asian species *Allotraeus asiaticus*, *Semanotus bifasciatus*, and *Xylotrechus buqueti* (Coleoptera: Cerambycidae). *J Econ Entomol* 109:2243–2246
- 136) Wickham JD, Millar JG, Hanks LM, Zou Y, Wong JCH, Harrison RD, Chen Y (2016) (2*R*,3*S*)-2,3-octanediol, a female-produced sex pheromone of *Megopis costipennis* (Coleoptera: Cerambycidae: Prioninae). *Environ Entomol* 45:223–228
- 137) Wong JCH, Hanks LM (2016) Influence of fermenting bait and vertical position of traps on attraction of cerambycid beetles to pheromone lures. *J Econ Entomol* 109:2145–2150
- 138) Zou Y, Rutledge CE, Nakamuta K, Maier CT, Hanks LM, Richards AB, Lacey ES, Millar JG (2016) Identification of a pheromone component and a critical synergist for the invasive beetle *Callidiellum rufipenne* (Coleoptera: Cerambycidae). *Environ Entomol* 45:216–222
- 139) Diesel NM, Zou Y, Johnson TD, Diesel DA, Millar JG, Mongold-Diers JA, Hanks LM (2017) The rare North American cerambycid beetle *Dryobius sexnotatus* shares a novel pyrrole pheromone component with species in Asia and South America. *J Chem Ecol* 43:739–744
- 140) Hanks LM, Wang Q (2017) Reproductive biology of cerambycids. In: Wang Q (ed.) *Cerambycidae of the world: biology and pest management*. CRC Press/Taylor & Francis, Boca Raton, pp 133–159
- 141) Millar JG, Hanks LM (2017) Chemical ecology of cerambycids. In: Wang Q (ed) *Cerambycidae of the world: biology and pest management*. CRC Press/Taylor & Francis, Boca Raton, pp 161–208
- 142) Millar JG, Mitchell RF, Mongold-Diers JA, Zou Y, Bográn CE, Fierke MK, Ginzal MD, Johnson CW, Meeker JR, Poland TM, Ragenovich IR, Hanks LM (2018) Identifying possible pheromones of cerambycid beetles by field testing known pheromone components in four widely separated regions of the United States. *J Econ Entomol* 111:252–259

- 143) Mitchell RF, Curkovic T, Mongold-Diers JA, Neuteboom L, Galbrecht H-M, Tröger A, Bergmann J, Francke W, Hanks LM (2017) Evidence that cerambycid beetles mimic vespid wasps in odor as well as appearance. *J Chem Ecol* 43:75–83
- 144) Nakamuta K, Zou Y, Hanks L, Millar JG (2017) Identification of an aggregation-sex pheromone component and a critical synergist for the smaller Japanese cedar longicorn, *Callidiellum rufipenne* (Coleoptera: Cerambycidae). *Forest Pests* 66:93–98 (in Japanese)
- 145) Silva WD, Zou Y, Bento JMS, Hanks LM, Millar JG (2017) Aggregation-sex pheromones and likely pheromones of eleven South American cerambycid beetle species, and partitioning of pheromone channels. *Frontiers Ecol Evol* 5 article 101
- 146) Wong JCH, Meier LR, Zou Y, Mongold-Diers JA, Hanks LM (2017) Evaluation of methods used in testing attraction of cerambycid beetles to pheromone-baited traps. *J Econ Entomol* (in press)
- 147) Wong JCH, Zou Y, Millar JG, Hanks LM (2017) Attraction of adult cerambycid beetles to their aggregation-sex pheromones is influenced by volatiles from host plants of their larvae. *Environ Entomol* 46:649–653
- 148) Millar JG, Mitchell RF, Meier LR, Johnson TD, Mongold-Diers JA, Hanks LM (2017) (2E,6Z,9Z)-2,6,9-pentadecatrienal as a male-produced aggregation-sex pheromone of the cerambycid beetle *Elaphidion mucronatum*. *J Chem Ecol* 43:75–83
- 149) Fan J, Denux O, Courtin C, Bernard A, Javal M, Millar JG, Hanks LM, Roques A (2018) Efficiency of multicomponent blends of semiochemicals for detection of exotic and native long-horned beetles at ports of entry in France. *J Pest Sci* (in press)
- 150) Hanks LM, Mongold-Diers JA, Atkinson TH, Fierke MK, Ginzler MD, Graham EE, Poland TM, Richards AB, Richardson ML, Millar JG (2018) Blends of pheromones, with and without host plant volatiles, can attract multiple species of cerambycid beetles simultaneously. *J Econ Entomol* 111:716–724
- 151) Millar JG, Mitchell RF, Mongold-Diers JA, Zou Y, Bográn CE, Fierke MK, Ginzler MD, Johnson CW, Meeker JR, Poland TM, Ragenovich IR, Hanks LM (2018) Identifying possible pheromones of cerambycid beetles by field testing known pheromone components in four widely separated regions of the United States. *J Econ Entomol* 111:252–259
- 152) Millar JG, Richards AB, Halloran S, Zou Y, Boyd EA, Quigley KN, Hanks LM (2018) Pheromone identification by proxy: identification of aggregation-sex pheromones of North American cerambycid beetles as a strategy to identify pheromones of invasive Asian congeners. *J Pest Sci* (in press)
- 153) Mitchell RF, Ray AM, Hanks LM, Millar JG (2018) The ubiquitous plant volatiles (*S*)- α -terpineol and (*E*)-2-hexenol are important pheromone components of the cerambycid beetle *Megacyllene antennata*. *Environ Entomol* (in press)
- 154) Silva WD, Millar JG, Hanks LM, Costa CM, Leite MOG, Tonelli M, Bento JMS (2018) Interspecific cross-attraction between the South American cerambycid beetles *Cotylytus curvatus* and *Megacyllene acuta* is averted by minor pheromone components. *J Chem Ecol* 44:268–275

Abstracts, proceedings, technical papers

- LMH, RF Denno. 1988. Host plant stress and natural enemies influence distribution of a scale insect more than demic adaptation. *Proc. XVII Int. Cong Entomol, Vancouver, BC, Canada* (VII 1988)

- LMH, RF Denno. 1998. Host plant stress and natural enemies influence the distribution of a scale insect more than demic adaptation. Abstr. Natl Meeting Ecol. Soc. Am., Davis, CA (VIII 1988)
- LMH, JG Millar, TD Paine. Proc. Annu. Entomol. Conf., Univ. Calif. Riverside, CA (1990-1995)
- LMH, JG Millar, TD Paine. 1990. Biology and ecology of the eucalyptus longhorned borer (*Phoracantha semipunctata* F.) in southern California. Proc. Calif. For. Pest Council, Sacramento, CA (XI 1990)
- LMH, TD Paine, JG Millar. 1991. Biology of the eucalyptus longhorned borer (*Phoracantha semipunctata* F.). Proc. Calif. For. Pest Council, Sacramento, CA (XI 1991)
- LMH., T Paine, J Millar. 1992. Tree resistance to the eucalyptus longhorned borer. Proc. 1992 Landscape Manage. Res. Conf., Univ. Calif. Riverside (IX 1992)
- Millar, J., T Paine, LMH, J Gould. 1992. Management program for the eucalyptus longhorned borer. Proc. 1992 Landscape Manage. Res. Conf., Univ. Calif. Riverside (IX 1992)
- LMH, TD Paine, JG Millar. 1992. Eucalyptus borer management. Proc. 1st Annu. Southwest Ornamental Pest Manage. Workshop. Albuquerque, NM (II 1992)
- LMH, JG Millar, TD Paine, RF Luck. 1993. Biology, ecology and control of the eucalyptus longhorned borer in Southern California. Innovations in Landscape Pest Management: Research report of the Elvinia J. Slosson Fund for Ornamental Horticulture. Univ. Calif. Div. Agr. Nat. Resources (1987-1991)
- Paine, T, J. Millar, LMH. 1994. The eucalyptus longhorned borer in California. Coll. Nat. Agric. Sci. Fact Sheet, Univ. Calif. Riverside, 2 pp
- Paine, TD, JG Millar, LMH. 1994. Eucalyptus longhorned borer and California urban forests: exploration of management options. Calif. Forestry Notes, Apr. 1, 1994, 109: 1-4
- Millar, JG, TD Paine, LMH. 1994. Biological control of the Eucalyptus longhorned borer. Calif. Eucalyptus Grower 9: 4-5
- Millar, JG, TD Paine, LMH. 1994. Wasps help in the fight against eucalyptus borer. Turf Tales (III, 1994, 1 p)
- Paine, TD, JG Millar, LMH. 1994. Integrated pest management program for the eucalyptus longhorned borer in California. Proc. 2nd Southwest Ornamental and Turf Pest Manage. Workshop, Albuquerque, NM (II 1993)
- LMH, RF Denno. 1994. Local adaptation to host plants in a sedentary insect. Abstr. Symposium: Host plant variation and genetic differentiation in natural insect populations. Annu. meeting Ecol. Soc. Am., Knoxville, TN (VIII 1994)
- Paine, TD, JG Millar, LMH. 1995. Integrated program protects trees from eucalyptus longhorned borer. Calif. Agr. 49: 34-37
- Millar, JG, LMH, TD Paine. 1995. Update on the biological control of the eucalyptus longhorned borer. Proc. Calif. For. Pest Council, Sacramento, CA (XI 1994)
- LMH, TD Paine, JG Millar. 1995. The eucalyptus snout beetle in southern California. Proc. Calif. For. Pest Council, Sacramento, CA (XI 1994)
- Millar, JG, TD Paine, LMH. 1995. Introduction and establishment of natural enemies of the eucalyptus longhorned borer. Research report of the Elvinia J. Slosson Fund for Ornamental Horticulture. Univ. Calif. Div. Agr. Nat. Resources (1993-1994)
- Paine, TD, JG Millar, LMH. 1995. Eucalyptus longhorned borer and California urban forests: Exploration of management options. Calif. Forest. Notes 109: 1-5

- Paine, TD, JG Millar, LMH. 1995. Integrated program protects trees from eucalyptus longhorned borer. *Western Arborist* 21: 41-45
- LMH, TD Paine, JG Millar. 1996. Ecology of the eucalyptus longhorned borer (Coleoptera: Cerambycidae) in California. Abstr. Symposium: Ecology and management of introduced arthropod pests of Eucalyptus. XX Int. Cong Entomol, Firenze, Italy (VIII 1996)
- LMH, JG Millar, TD Paine. 1996. Biological control of Eucalyptus insect pests. Proc. Calif. Urban Pest Council (XI 1996)
- LMH, TD Paine, JG Millar. 1996. Tiny wasp helps protects eucalypts from eucalyptus longhorned borer. *Calif. Agr.* 50: 14-16
- Millar, JG, TD Paine, LMH. 1996. Final report, Project 92BC003. Introduction and establishment of natural enemies of the eucalyptus longhorned borer. UCIPM Project. 7 pp
- Tooker, J, LMH. 1997. Pine needle scale. Univ. Illinois Coop. Extension Serv. Home, Yard and Garden Pest Newsl. 20: 3-4
- LMH.M., TD Paine, JG Millar. 1997. US Dept Agriculture, Final report for research project #9501534: Does the impact of a parasitoid depend on host plant vigor? 5 pp
- LMH, TD Paine, JG Millar, C Campbell. 1998. Another tree-killing pest of eucalyptus invades California. *Calif. Plant Pest Dis. Rep.* 16: 19-21
- Millar, JG, TD Paine, LMH, C Campbell. 1998. Biological control of eucalyptus longhorned borers, *Phoracantha* spp (Coleoptera: Cerambycidae) in California. Abstr. Calif. Conf. Biol Control, Berkeley, CA (VI 1998)
- Millar, JG, LMH, TD Paine. 1999. Introduction and establishment of natural enemies of the eucalyptus longhorned borer. Research report of the Elvinia J. Slosson Fund for Ornamental Horticulture. Univ. Calif. Div. Agr. Nat. Res. (1995-1998)
- Millar, JG, TD Paine, LMH, JA Downer. 1999. Biological control of the eucalyptus snout beetle, *Gonipterus scutellatus*. Report of the Elvinia J. Slosson Fund for Ornamental Horticulture. Univ. Calif. Div. Agr. Nat. Res. (1995-1998)
- Ginzel, MD, LMH. 1998. The locust borer. Univ. Illinois Coop. Extension Serv. Home, Yard and Garden Pest Newsl. 19: 3-4
- Millar, JG, TD Paine, LMH. 1998. Management of major pests of Eucalyptus in California. Abstr. Seminar on integrated forest protection, Lisbon, Portugal (X 1998)
- Reagel, PF, MD Ginzel, JF Tooker, P Nixon, LMH. 1999. Evaluation of insecticides for thrips control and associated phytotoxicity. *Arthropod Manage. Tests* 24: report G73
- Joyce, AL, LMH, TD Paine, JG Millar. 2000. Effect of host larval size on sex ratio of progeny of *Syngaster lepidus* (Hymenoptera: Braconidae) attacking *Phoracantha semipunctata* (Coleoptera: Cerambycidae) and *P. recurva* borers on *Eucalyptus camaldulensis*. Proc. Calif. Conf. Biol Control, Riverside, CA (VII 2000)
- Paine, TD, JG Millar, LMH. 2000. Integrated pest management of insects feeding on Eucalyptus in California. Proc. Eucalyptus Pest Management: A California Urban Forests Council Regional Workshop, Riverside, CA (XI 2000)
- Paine, TD, DL Dahlsten, JG Millar, MS Hoddle, LMH. 2000. UC scientists apply IPM techniques to new eucalyptus pests. *Calif. Agr.* 54: 8-13
- Millar, JG, TD Paine, LMH. 2000. Biological control of Eucalyptus longhorned borers, *Phoracantha* spp. (Coleoptera: Cerambycidae) in California. Proc. Eucalyptus Pest Management: A California Urban Forests Council Regional Workshop, Riverside, CA (XI 2000)

- Millar, JG, LMH, TD Paine. 2000. Biological control of coleopteran pests of *Eucalyptus* in California. In: XXI Internatl Cong Entomol, XVIII Brazilian Cong Entomol. Foz do Iguassu. Book 1: 476 p. (Abs. 1890)
- Paine, TD, K, Luhning, JG Millar, LMH. 2000. Differential parasitism by an egg parasitoid, *Avetianella longoi*, on two *Phoracantha* spp. attacking *Eucalyptus*. In: XXI Internatl Cong Entomol XVIII Brazilian Cong Entomol. Foz do Iguassu. Book 1: 447 p. (Abs. 1891)
- Solter, LF, M Keena, JR Cate, ML McManus, MC Higgs, LMH. 2001. Infectivity of rhabditoid nematodes to the Asian longhorned beetle. In SLC Fosbroke, KW Gottschalk (eds.) Proc. USDA Interagency Res. Forum on Gypsy moth and other Invasive Species, Annapolis, MD (I 2001). USDA For. Serv., NE Res. Stn. Gen. Tech. Rep. NE-285: 131
- Sadof, CS, LMH. Biological control of armored and soft scales in the woody landscape. North Central Region 125-Arthropod Biological Control, USDA-CREES, Biol Controls Guidelines; web site: <http://www.cips.msu.edu/ncr125/GuideScales.htm>
- Ginzel, MD, GJ Blomquist, JG Millar, LMH. 2001. Role of cuticular hydrocarbons in mate recognition of long-horned beetles. Abstr. Annu. meeting Int. Soc. Chem. Ecol., North Lake Tahoe, CA (VII 2001)
- LMH, MD Ginzel, KN Paige. 2002. Molecular genetics of Asian longhorned beetle: Introduction, invasion, and spread. Proc. USDA Interagency Res. Forum on Gypsy moth and other Invasive Species, Annapolis, MD (I 2002). USDA For. Serv., NE Res. Stn. Gen. Tech. Rep. NE-300:30
- Tooker, JF, LMH. 2002. Cryptic species of gall wasps (Hymenoptera: Cynipidae: *Antistrophus rufus*) specialized in prairie forbs (Asteraceae: *Silphium*). Abstr. Annu. meeting Ecol. Soc. Am., Tucson, AZ (VIII 2002)
- Joyce, AL, JG Millar, TD Paine, LMH. Effect of host size on the sex ratio of *Syngaster lepidus*, a parasitoid of eucalyptus longhorned borers (*Phoracantha* species.). Proc. 1st Internatl Symp. Biol. Contr. Arthropods. Honolulu, Hawaii (I 2002)
- Smith, MT, R Fuester, F Herard, LMH. 2003. Prospects for inundative release of natural enemies for biological control of *Anoplophora glabripennis*. In KW Gottschalk (ed.) Proc. USDA XIV Interagency Res. Forum on Gypsy moth and Other Invasive Species, Annapolis, MD (I 2003). USDA For. Serv., NE Res. Stn. Gen. Tech. Rep. NE-315:55
- Fallon, D, L Solter, M Keena, J Cate, M McManus, LMH. 2003. Effect of entomopathogenic nematodes on *Anoplophora glabripennis*. In KW Gottschalk (ed.) Proc. USDA XIV Interagency Res. Forum on Gypsy moth and Other Invasive Species, Annapolis, MD (I 2003). USDA For. Serv., NE Res. Stn. Gen. Tech. Rep. NE-315:23
- LMH, MD Ginzel, KN Paige. 2003. Molecular genetics of Asian longhorned beetle: Introduction, invasion, and spread. In KW Gottschalk (ed.) Proc. XIV USDA Interagency Res. Forum on Gypsy moth and Other Invasive Species, Annapolis, MD (I 2003). USDA For. Serv., NE Res. Stn. Gen. Tech. Rep. NE-315:31
- Tooker JF, LMH. 2003. Influence of gall wasps and their parasitoids on fitness of native prairie perennials (Asteraceae: *Silphium*). Abstracts from the XIII Internatl Entomophagous Insects Workshop, Tucson, AZ (VII 2003). J. Insect Sci. 3:33
- Mitchell RF, ML Richardson, PF Reagel, LMH. 2007. Consequences of cannibalism in non-carnivorous insects. Trans. Illinois State Acad. Sci. 100 (Supplement):72
- Millar JG, JD Barbour, AM Ray, LMH. 2011. Chemistry of cerambycid beetle pheromones for practical applications. Proc. XXII USDA Interagency Res. Forum on Invasive Species, Annapolis, MD (I 2011). USDA For. Serv., Northern Res. Stn. Gen. Tech. Rep. NRS-P-92

- Millar JG, LMH. 2012. An overview of cerambycid beetle pheromone chemistry. Proc. USDA 23rd USDA Interagency Res. Forum on Invasive Species, Annapolis, MD (I 2012). USDA For. Serv., Northern Res. Stn. Gen. Tech. Rep. NRS-P-92
- Millar JG LMH. 2016. Pheromones for detection and monitoring of invasive and native cerambycid species. Proc. USDA 27th USDA Interagency Res. Forum on Invasive Species, Annapolis, MD (I 2016)
- Hanks LM, Millar JG (2018) Conservation of pheromone chemistry within the Cerambycidae on a global scale, and implications for invasion biology. Proceedings of the 29th USDA Interagency Research Forum on Invasive Species, 9–12 January 2018, Annapolis, MD
- Millar JG, Hanks LM (2018) New pheromones for invasive cerambycids: from the bench to the field. Proceedings of the 29th USDA Interagency Research Forum on Invasive Species, 9–12 January 2018, Annapolis, MD

Media coverage of research

- San Diego Tribune, “Beetle-killing wasps set to be released in Rancho Santa Fe” (16 VIII 1991)
- The San Diego Union, “Tree-fanciers pin hopes on wasp” (17 VIII 1991)
- Los Angeles Times, Orange County Edition, “Pests pack a punch for dry plants” (4 VIII 1992)
- Stanford News (Palo Alto, California), “Wasps attacking beetles may save dying eucalyptus trees” (24 VIII 1993)
- Stanford Univ. Campus Report (Palo Alto, California), “Wasps newest weapon in fight to save old trees” (25 VIII 1993)
- San Diego Union, “Wasps aid beetle-hit eucalyptus” (27 IX 1993)
- The Inland Valley Daily Bulletin, Riverside, California, “Stingless wasps prey on a pest: borer beetle” (13 IX 1993)
- The Stanford Observer, Palo Alto, California, “Beetles may save eucalyptus” (X 1993)
- Los Angeles Times, Inland Empire Scene, “Tiny wasps with no sting unleashed to wipe out big, tree-eating beetles” (20 X 1993)
- Pacific Coast Nurseryman and Garden Supply Dealer, Glendora, California, “Tiny wasps show promise against eucalyptus pest” (XI 1993)
- Santa Barbara News-Press, California, “Wasp brigade suggested to stop beetle infestation of tree groves” (8 III 1994)
- Sunset Magazine, “Eucalyptus borer a butterfly foe?” (VI 1994)
- California Agriculture 50: 6-7; Research update: “Californians love, and hate, eucalypts”
- The Press-Enterprise, Riverside, California, “War on beetle to save eucalyptus” (17 VI 1996)
- Santa Barbara News-Press, California, “Meet the beetles: eucalyptus eaters no match for wasps” (17 VI 1996)
- The San Diego Union-Tribune, California, “Tiny wasp takes on beetle and wins—but is there a higher price to pay?” (7 VII 1996)
- The New York Times, “Insects adapted to a single twig: Specialization in the extreme?” (27 IX 1994)
- Eucalyptus Improvement Association, Inc., California, “Tiny (*really* tiny) wasp is beating eucalyptus beetle (1996)
- Chicago Sun-Times (“Attack of the foreign critters” (20 VII 1998)
- Chicago Tonight, WTTW-TV (PBS, Chicago), panel discussion on Asian longhorned beetle (20 VII 1998)

- Natl Public Radio, WBEZ, Chicago, Orlando Guzman, special program on Asian longhorned beetle (21 VII 1998)
- Chicago Tribune, Peter Kendall, "Science seeks weaknesses in beetles' armor" (9 VIII 1998)
- WPWR-TV (UPN 50, Chicago), Aaron Freeman Show, special program on Asian longhorned beetle (10 VIII 1998)
- Chicago Tribune, "Love may set a not-so-tender trap for beetles" (9 VIII 1998)
- Chicago Sun-Times, "Making mating game deadly" (14 VIII 1998)
- CBS News in Chicago, Asian longhorned beetle (14 VIII 1998)
- WDWS, Champaign, IL, radio personality Stevie J, Asian longhorned beetle situation (21 X 1998, 20 III and 3 VI 1999, 19 IV and 18 VIII 2000) (and guest sportscaster)
- WDWS, Champaign, IL, radio personality Dave Gentry, Asian longhorned beetle situation (21 X 1998)
- Associated Press, Justin Bachman, Greensboro News & Record, Greensboro, NC, "Warm weather can bring Christmas bugs: Christmas tree farmers warn their customers that they might find critters among the ornaments", and Florida Times-Union, Jacksonville, NC, "Ghost of Christmas present: your tree could bring pests home" (9 XII 1998)
- Chicago Daily Herald, "Prof. probing reason for beetle plague" (4 IX 1999)
- The Daily Illini, Univ. Illinois at Urbana-Champaign, article on Insect Expo (1 XI 1999)
- UIUC School of Life Sciences Alumni Newsletter, "The beetle that ate Chicago" (Fall 1999)
- Audubon magazine, article by MR Berenbaum, "Two horns, six legs & one voracious appetite" (I-II 2000 issue)
- Chicago Sun-Times, "30-year fight leaves little hope in US" (6 II 2000)
- Lawn & Landscape Magazine, "Big apple has a worm: the Asian longhorned beetle" (IV 2000)
- Chicago Sun-Times, Dave Newbart, "Bug's infestation is much worse than in Chicago" (6 II 2000); reprinted in Pew Internatl Journalism Program Stories 1999, China (Spring 2000)
- LAS News, UIUC College of Liberal Arts and Sciences, "Living with the enemy" (Summer 2000)
- Paxton Daily Record, "Loda prairie provides study of insect life" (13 XI 2000)
- CBC Radio reporter Ryan Pierce, *Maritime Noon* radio show, Halifax, Nova Scotia; story on exotic and invasive species of wood borers (2 I 2001)
- Arborist News10: 17 "Interrelationships between structure of ornamental landscapes, environmental stress of trees, and outbreaks of plant-feeding arthropods" (II 2001)
- EurekAlert!, AAAS (internet), "Scientists find insects can alter plant chemistry to help them find mates" (18 XI 2002)
- Wissenschaft-online, Germany, "Durch Wände kommunizieren" (18 XI 2002)
- PNAS Online, Select Articles Appearing in PNAS, "Wasps attract mates with plant perfume", (week of 18 XI 2002)
- Yahoo! Schlagzeilen, Germany (online), "Wespe verändert Pflanzenchemie für Sex" (19 XI 2002)
- Scienceticker.de wissenschafts-nachrichten, Germany (online), "Gallwespen locken mit Pflanzen-Parfum" (19 XI 2002)
- ScienceNOW, AAAS (internet), "Love potion on the prairie" (19 XI 2002)
- ScienceBlog (internet), Most Read Story About Animal Kingdom, "Scientists find insects can alter plant chemistry to help find mates" (19 XI 2002)
- Vista Verde, Germany (internet), "Düfte: Gallwespen locken mit Pflanzen-Parfum" (19 XI 2002)

- Innovations Report, Forum für Wissenschaft, Industrie und Wirtschaft, Germany (internet), “Scientists find insects can alter plant chemistry to help them find mates” (19 XI 2002)
- Scientific American.com (internet), “Wasps tamper with plant chemistry to woo mates” (19 XI 2002)
- United Press Internatl (internet), “Male wasps use chemicals to find mates” (19 XI 2002)
- NATURreporter.de, Germany (internet), “Wespe verändert Pflanzenchemie für Sex” (20 XI 2002)
- Biological Psychology NewsLink, Sinauer Associates Inc. (internet), “Wasps tamper with plant chemistry to woo mates” (20 XI 2002)
- vetline.de, Germany (internet), “Wespe verändert Pflanzenchemie für Sex” (20 XI 2002)
- Science Daily (internet), “Scientists find insects can alter plant chemistry to help them find mates” (21 XI 2002)
- Inside Illinois, UIUC, “Scientists find insects can alter plant chemistry to help them find mates” (21 XI 2002)
- Chemical and Engineering News (internet), “Critter Chemistry: Wasps use plants to send mating signals” (25 XI 2002)
- Dallas Morning News, “Gall wasps induce plants to flag potential mates” (25 XI 2002)
- New York Times, Science Times, “Intrepid males heed clues” (26 XI 2002)
- Wirtualna Polska, Poland (internet), “Owadzie perfumy” (25 XI 2002)
- Science Orf.at, Austria (internet), “Partnersuche: Wespen verändern Pflanzenchemie” (27 XI 2002)
- Science Magazine, Random Samples, “Where the girls are”, 298: 1713 (29 XI 2002)
- Süddeutsche Zeitung, Germany “Wespen manipulieren Duft von Pflanzen” (3 XII 2002)
- ОИСК НОВОСТИ, Russia (internet), “Растительная страсть, Insects can change chemistry of plants for their own purposes” (2 XII 2002)
- Natl Geographic News (internet), “Tiny wasps alter plant growth to attract mates” (3 XII 2002)
- The Straits Times Interactive, Singapore (internet), “Female wasps use ‘perfume’ too” (5 XII 2002)
- The Scientist, Frontlines, Vol. 16, Issue 24, article about PNAS paper (9 XII 2002)
- Vn-Express dành cho Quảng cáo, Viet Nam (internet), “Động vật nhờ thực vật gọi hộ bạn tình” (9 XII 2002)
- California Academy of Sciences, This Week in the Wild (internet), “Wasps woo with chemistry” (9 XII 2002)
- Bog Hopper, Science Museum of Minnesota, Science Briefs (internet), “Female wasp changes plant chemistry to attract male wasps” (8 XII 2002)
- Arche Online, Germany (internet), “Wespe verändert Pflanzenchemie für Sex” (11 XII 2002)
- Presstext.Austria (internet), “Wespe verändert Pflanzenchemie für Sex-Signaturduft der Wirtspflanze wird von Insekten beeinflusst” (11 XII 2002)
- Nauka Gazeta.pl, Poland (internet), “Osy potrafią zmieniać skład chemiczny roślin” (11 XII 2002)
- SME Online, Slovakia (internet), “Páreniachtivý hmyz mení chemické zloženie hostiteľskej rastliny” (11 XII 2002)
- Netzeitung Wissenschaft, Germany (internet), “Wespen locken mit Pflanzen-Parfum” (9 XII 2002)
- “Pflanzenduft zieht Wespen an Forscher entdecken neue Paarungsstrategie” Berliner Zeitung (19 XII 2002)

- A Prairie Rendezvous (a publication of Grand Prairie Friends of Illinois and Prairie Grove Volunteers), “Prairie insects” (XII 2002)
- Journal Fachinformation für Entscheidungsträger #47/XI2002 (online): “Pflanzenchemie”
Радиостанция “Эхо Москвы” Russia (Radio station “The Echo of Moscow”, internet),
“Насекомые могут изменять химию растений в собственных целях” (story about gall wasps) (4 I 2003)
- g-o.de online, Das internet-magazin für geo- und naturwissenschaften, Germany, “Wespen verändern Pflanzenduft—Sexuallockstoff zieht paarungswillige Männchen an” (I 2003)
- der Standard.at/Wissenschaft, Austria, “Wespe verändert Pflanzchemie für Sex—Signaturduft der Wirtspflanze wird von Insekten beeinflusst” (XI 2002)
- nature.de, Natur&Kosmos, Germany, “Gallwespe auf Partnerjagd Insekt beeinflusst Duft ihrer Wirtspflanze zur Partnersuche” (XI 2003)
- Hort-Pro Online Magazine, Canada, article on PNAS publication (I 2003)
- Biologie in unserer Zeit 33: 82, S. Wendler, “Verhalten auf den duft kommt es an”
- The News-Gazette, Champaign, IL, “Research focuses on pest control”, G. Kline (6 V 2003)
- Lincoln Daily News, Lincoln, IL, “Controlling insects naturally” (6 V 2003)
- The Times, NW Indiana, “Research could lead to new standards for landscape designers” (12 V 2003)
- WDCB DuPage Public Radio in Glen Ellyn, IL, story on conservation biological control in ornamental landscapes (13 V 2003)
- USA Today, article about conservation biological control in ornamental landscapes (13 V 2003)
- Chicago Tribune, “U. of I. studies natural ways to get pests out of trees” (18 V 2003)
- The Panagraph, Bloomington, IL, “Mulch, flowers help counteract influx of insects” (13 VI 2003)
- The Jerusalem Botanical Gardens, Israel, Botanical News section, article on PNAS article (VI 2003)
- Growing Trends, the official publication of the Illinois Nurserymen’s Association, “Controlling insects naturally” (VI 2003)
- @UCSD, Alumni Association of the Univ. California, San Diego, “Tree wars: The secret life of Eucalyptus” (I 2005)
- Science Centric, BrightSurf.com, FirstScience News, Physorg.com, Eureka Alert!, Science Codex, Wild Biology, Science Daily (online), “Entomologists use 'love potion' to detect hidden cerambycid beetles” (VIII 2008)
- Science update, University of Idaho, “Birds and bees to battle prionus beetles ” (2009)