

CURRICULUM VITAE

Jerry L. Cook

Address

Office: Office of Research and Sponsored Programs
Sam Houston State University
Huntsville, Texas 77341-2448
Phone: (409) 294-3620
FAX: (409) 294-3622
E-mail: jcook@shsu.edu

Home: 119 Blythe Ranch Road
Huntsville, TX 77320
(936) 581-4363

Personal

Born: 31 March 1956
Canon City, Colorado, USA

Education

1992-1995 **Texas A&M University**
Department of Entomology
College Station, Texas 77843-2475
Ph. D., Entomology (May 1996)
G.P.A.: 3.82
Doctoral dissertation (under Roger E. Gold): **A Study of the Relationship
Between *Caenocholax fenyessi* Pierce (Strepsiptera,
Myrmecolacidae) and the Red Imported Fire Ant, *Solenopsis
invicta* Buren (Hymenoptera, Formicidae)**

1989-1992 **University of Southern Colorado**
Department of Biology
Pueblo, Colorado 81001
M. S., Zoology
G.P.A.: 3.7
Masters thesis (under Scott J. Herrmann): **Systematics, Morphology, and
Ecology of a Freshwater Nemertean (Phylum Nemertea) from
Southern Colorado**

1974-78, 1986 **University of Southern Colorado**
Department of Geology
Pueblo, Colorado 81001
B. S., Geology (minor: Chemistry)

Professional Experience

Research and Professional Experience:

- 2008-present **Associate Vice President**
Office of Research and Sponsored Programs
Sam Houston State University
Huntsville, Texas
Responsibilities: Oversee research activities and Sam Houston State University, the Texas Research, Continuing Education; serve as Chief Research Officer for Sam Houston State University.
- 2011-2012 **Interim Dean, College of Science**
Sam Houston State University
Huntsville, Texas
Responsibilities: Oversee 7 academic departments.
- 2011-present **Executive Director**
Institute for the study of Invasive Species
Huntsville, Texas
Responsibilities: Oversee research efforts of a staff that conducts early detection and rapid response to invasive species in Texas and to facilitate research of Texas State University System researchers working on invasive species.
- 2009-present **Adjunct Professor of Entomology**
Texas A&M University
College Station, Texas
Responsibilities: Serve as advisor for graduate student projects.
- 2009 **Interim Dean of Graduate Studies**
Sam Houston State University
Huntsville, Texas
Responsibilities: Coordinate graduate programs and the graduate office at Sam Houston State University

- 2008 **Interim Chair**
Department of Biological Sciences
Sam Houston State University
Huntsville, Texas
Responsibilities: Coordinate activities of the Department of Biological Sciences and supervise two staff and one student worker.
- 2007-2008 **Program Director**
Division of Biology
National Science Foundation
Arlington, Virginia
Responsibilities: Oversee research activities for Systematics and Biological Inventories.
- 2011 – present **Professor**
Department of Biological Sciences
Sam Houston State University
Huntsville, Texas
Responsibilities: Conduct research on insect biology and systematics. Supervise graduate students.
- 2005 – 2011 **Associate Professor**
Department of Biological Sciences
Sam Houston State University
Huntsville, Texas
Responsibilities: Conduct research on strepsiptera biology and systematics, the biological control of red imported fire ants and other invasive species, and conservation of native ants and endangered species. Supervise research associate, graduate students and student workers.
- 2003- 2009 **Adjunct Graduate Faculty**
Texas A&M University
College Station, Texas
Responsibilities: Serve as graduate committee member for doctoral students.
- 2002 – 2007 **Adjunct Curator**
Houston Museum of Natural Science
Houston, Texas
Responsibilities: Manage entomology collections at HMNS and oversee interns working on the collection

- 2000 – 2005 **Assistant Professor**
Department of Biological Sciences
Sam Houston State University
Huntsville, Texas
Responsibilities: Conduct research on strepsiptera biology and systematics, the biological control of red imported fire ants and other invasive species, and conservation of native ants and endangered species. Supervise research associate, graduate students and student workers.
- 1999 – 2000 **Visiting Assistant Professor**
Department of Biological Sciences
Sam Houston State University
Huntsville, Texas
Responsibilities: Conduct research on the biological control of red imported fire ants, conservation of native ants, and strepsipterans. Supervise one research associate and three student workers.
- 1997 - 1999 **Assistant Research Scientist**
Department of Entomology
Texas A&M University
College Station, Texas
Responsibilities: Conduct research on pest ants including biological control of fire ants. Supervise three graduate research assistants, and two student workers.
- 1996 - 1997 **Post Doctoral Research Associate**
Department of Entomology
Texas A&M University
College Station, Texas
Responsibilities: Conduct research on the potential of using biological control in association with the red imported fire ant. In charge of the ant laboratory for the Center for Urban and Structural Pest Entomology.
- 1992-1996 **Graduate Research Assistant**
Department of Entomology
Texas A & M University
College Station, Texas
Responsibilities: In addition to my dissertation research, I was responsible for maintenance of colonies in the Urban Center ant lab. I also assisted with testing of industry products pertaining to the control of pest ants.

Teaching Experience:

2011 – present **Professor**

Department of Biological Sciences
Sam Houston State University

Huntsville, Texas

Responsibilities: Occasional teaching assignments. Conduct research on insect biology and systematics. Supervise graduate students.

2005- 2011 **Associate Professor**

Department of Biological Sciences
Sam Houston State University

Huntsville, Texas

Responsibilities: Full time teaching faculty until 2008; occasional teaching assignments since 2008

Courses Taught (10): Honors Integrated Science (Hon 162), Contemporary Biology (BIO134), Zoology (BIO 162), Human Biology (BIO 341), Honors Integrated Science (Hon 162), Histology (BIO 349), Undergraduate Seminar (BIO 410 & 411), Invertebrate Zoology (BIO 471) Evolution (BIO 462), Insect Morphology (BIO 595)

2000- 2005 **Assistant Professor**

Department of Biological Sciences
Sam Houston State University

Huntsville, Texas

Responsibilities: Full time teaching faculty

Courses Taught (15): Contemporary Biology (BIO 134), General Zoology (BIO 162), Environmental Science (BIO 347), Human Anatomy (BIO 234), General Ecology (BIO 340), Human Anatomy and Physiology (BIO 341), Histology (BIO 349), Economic Entomology (BIO 369), Biology Seminar (BIO 410 & 411) Forensic Entomology (BIO 530), Advanced Ecology – Experimental Design (BIO 580), Ichthyology (BIO 582), Electron Microscopy (BIO 595), Museum Methods (BIO 595)

1999 – 2000 **Visiting Assistant Professor**

Department of Biological Sciences
Sam Houston State University

Huntsville, Texas

Responsibilities: Teach classes in Ecology, Human Anatomy and Physiology, and Contemporary Biology.

- 1998 **Instructor**
Texas A&M University
College Station, Texas
Responsibilities: Teach lecture and laboratory for Insect Morphology (ENT 305).
- 1997 - 1999 **Instructor**
Department of Natural Science
Blinn College
Bryan, TX 77802
Responsibilities: Teach lecture and laboratory for Human Anatomy and Physiology I and II.
- 1996-1998 **Teaching Assistant**
Texas A&M University
Department of Entomology
College Station, TX
Responsibilities: Teach laboratory for Insect Morphology
- 1991-1992 **Instructor**
National College
Pueblo, Colorado 81001
Responsibilities: Teach Physical Geology and Ecology lectures.
- 1990-1992 **Teaching Assistant**
Department of Biology
University of Southern Colorado
Responsibilities: Teach independent sections of lab courses for Aspects of Biology (3 semesters) and Zoology (3 semesters)

Classes Taught

Sam Houston State University (18)

Contemporary Biology
Environmental Science
General Zoology
Human Anatomy
General Ecology
Human Anatomy & Physiology
Human Biology
Histology
Economic Entomology
Invertebrate Zoology
Undergraduate Seminar

Ichthyology
Forensic Entomology
Experimental Design
Electron Microscopy
Honors Integrated Science
Evolution
Insect Morphology

Texas A&M University (1)

Insect Morphology

Blinn College (2)

Anatomy and Physiology I
Anatomy and Physiology II

National College (2)

General Biology
Physical Geology

Students Supervised:

Masters Level Students (Major Advisor) (10)

- Daniel Joseph Harrison, 2001-2003; M.S. (August 2003)
- Robert Puckett, 2001-2003; M.S. (August 2003)
- Melissa Layton 2002-2005; M.S. (August 2005)
- Laurie (Lynch) Pierell 2002-2008; M.S. (August 2008)
- Kc Wendler 2003- 2005; M.S. (December 2004)
- Shirley Carrias; M.S. 2006-2008; M.S. (December 2008)
- Diana Hernandez; M.S. 2009-
- Christopher Wilson; M.S. 2009-
- Clayton Sublett; M.S. 2011-
- Lance Ulmig; M. S. 2012-

Graduate Student Committees (Member) (23)

- Richard Warriner, 1996-1998; M.S. (Texas A&M University). (May 1998)
- Elizabeth Johnson, 1997- 1999; M.S. (Texas A&M University). (August 1999)
- Kable Bo Davis, 1997-2000; M.S. (Texas A&M University). (May 2000)

- Janis Leigh Johnson, 1998-2000; M.S. (Texas A&M University). (May 2000)
- Laurieanne Dent; 2000-2001; M.S. (May 2001)
- Daniel Millican; 2000-2001; M.S. (August 2001)
- Mathew Brain; 2000-2002; M.S. (August 2002)
- Sidney Anderson; 2001-2003; M.S. (December 2003)
- Nancy Nicolai; 2001- 2005 (Texas A&M University). Ph.D. (August 2005)
- Javier Cano; 2002-
- Autimn Smith; 2003-2005; M.S. (August 2005)
- Brandon Lowry; 2003-2005; M.S. (August 2005)
- Anica Debelica; 2003-2005; M.S. (August 2005)
- Sean Daly; 2003-2005; M.A. (December 2005)
- Michelle McNiel; M.A. 2003-2006; M.A. (May 2006)
- Sheena Humbird, 2004-2007 ;MS (August 2007)
- Stephen Koether, 2004-2007 ; MS (May 2007)
- Jason Meyers; 2004 – 2008 (Texas A&M University). Ph.D. (August 2008)
- Joanna Hays; 2006 – 2008; MS (August 2008)
- Danny McDonald; 2009 – 2012 (Texas A&M University) Ph.D. Dec. 2012
- Brent Rahlwes; 2009- 2012; MS (Dec. 2012)
- Alan Archambeault; 2009-2012; MS (May 2012)
- Natalie Lindgren; 2009-2012; MS (Dec. 2012)

Research Apprentice Program & REU Program Students (9)

- Nicole Talley, 1996
- Isidro Lesdema, 1997
- Joel Diaz, 1998
- Juan Rodriquez, 2004
- Stephanie Heater 2005
- Jonathan Schultz 2006
- Edward Realzola 2008
- Carly Turnbull 2009
- Haley Stansell 2010

Special Projects Students (24)

- Janis Leigh Johnson, 1998; Investigation of Leaf-Litter Ant Communities in Urban and Undisturbed Habitats
- Kable Bo Davis, 1998; Description of the Larval Instars of *Xenos nigrescens*.

- Daniel Joseph Harrison, 2000; Chemical Ecology of *Solenopsis invicta* associated with electrical currents.
- Robert Puckett, 2000; Curation of Insect Specimens in the Collection of the Houston Museum of Natural Science.
- Gloria Eschelbrenner, 2001-2002; Curation of Insect Specimens in the Collection of the Houston Museum of Natural Science.
- Lacy Fenley (Lee College) 2001-2002: Exotic Ant Populations and Their Ecology in a Controlled Rainforest Exhibit, Moody Gardens.
- Kira Renneberg, 2002; Curation of Insect Specimens in the Collection of the Houston Museum of Natural Science.
- Laurie Lynch, 2002; East Texas Dytiscidae Checklist.
- Jennifer Edmison, 2002; Insects of Importance to Forensic Entomology in east Texas
- Brianna Kaiser 2003; Diversity of Aquatic Insects in Three Streams with Different Disturbance Levels
- Kira Renneberg 2003; Fly diversity of Ft. Maxey, TX
- Jessica Brown 2004; Biology of Termites
- Jennifer Pechal 2004; Methods of Forensic Entomology
- Angela Venn 2004; A Study in Entomology and its Application in Forensic Studies
- Shirley Carrias 2004; Survey of Ants from Belize
- Efthymios Gkotsailias 2005; Entomotoxicology: Insects as Toxicological Indicators
- Jessica Brown 2005; Observation and Comparison of Eggs of Lepidoptera Using the Scanning Electron Microscope
- Erica Eddins 2005; Evaluation of Mosquito Control to Manage West Nile Virus in Montgomery County, TX
- Jovanne Cole 2006; A Distribution Study of Adult and Larval Damselflies of Double Lake
- Edward Realoza 2006; Composition of Gyrinid Aggregations in East Texas, Including the Big Thicket (Coleoptera: Gyrinidae)
- Dianna Hernandez 2006; Review of the family Pleidae in North America (Hemiptera)
- Shirley Carrias 2008; Distribution of calliphorid flies in the Texas
- Chris Wilson 2010; Survey of Costa Rican ants

Professional Societies (19 active)

American Entomological Society
 American Microscopical Society
 American Society of Ichthyologists and Herpetologists
 Big Thicket Association
 Coleopterists Society

Dragonfly Society of America
Entomological Society of America
Entomological Society of Washington
Entomology Collections Network
Florida Entomological Society
Kansas Entomological Society
New York Entomological Society
Orthopterists Society
Society of Systematic Biologists
Southeastern Association of Naturalists
Southwestern Association of Naturalists
Southwestern Association of Parasitologists
Southwestern Entomological Society
Texas Academy of Science
Willi Hennig Society

Publications (Peer-Reviewed, Refereed Journal Articles) (56)

Cook, J. L. 201_. Three new species of *Triozocera* with notes on African species of the genus (Strepsiptera: Corioxenidae). *In preparation*.

Wendler, K. and **J. L. Cook**. 201_. The development of the green bottle fly, *Phaenicia coeruleiviridis* (Diptera: Calliphoridae). *Journal of Medical Entomology*, *in preparation*.

Cook, J. L. 201_. Re-evaluation of the genus *Triozocera* Pierce (Strepsiptera: Corioxenidae) in the United States. *Proceedings of the Entomological Society of Washington* *In review*.

Sublette, C. A. and J. L. Cook. 201_. Morphology of the ovipositor in the genus *Neoptea*, Esaki and China, 1928 (Hemiptera: Heteroptera: Pleidae), including an evaluation of its taxonomic importance. *Florida Entomologist*, *in review*.

Kogan, M., G. Poinar, and **J. L. Cook**. 201_. A case of mistaken identification of an amber fossil male strepsipteran (Insecta: Strepsiptera). *Historical Biology* *in press*.

Richardson, D. J. and **J. L. Cook**. 201_. A new species of *Felicola* (Phthiraptera: Ischnocera: Trichodectidae) from the Emin's pocket rat (*Cricetomys emini*) in Cameroon, Africa and a redescription of *Felicola hopkinsi* Bedford, 1936. *Entomological News* *in press*.

Cook, J. L. 201_. Two new species of *Triozocera* Pierce, 1909 (Strepsiptera: Corioxenidae) from Southeast Asia. *Pan-Pacific Entomologist*, *in press*.

- Cook, J. L.** 2014. Review of the biology of parasitic insects in the order Strepsiptera. *Comparative Parasitology*, 81(2): 134-151.
- McDonald, D. L., R. B. Messer, and **J. L. Cook**. 2014. Identifying the regions of Texas under sampled for Myrmecofauna. *Southwestern Entomologist*, 39(2): 207-213.
- Cook, J. L.** 2014. A new species of *Stichotrema* Hofeneder (Strepsiptera: Myrmecolacidae) from the Dominican Republic, with notes on New World members of the genus. *Journal of the Kansas Entomological Society*, 87(1): 66-73.
- Cook, J. L.** 2014. Redescription of *Stichotrema pasteelsi* (Luna de Carvalho, 1956) with notes on African *Stichotrema* (Strepsiptera: Myrmecolacidae). *Entomological News*, 124(1): 1-8.
- Cook, J. L.** 2014. Proceedings of the Big Thicket Science Conference: biodiversity and ecology of the West Gulf Coastal Plain Landscape, preface and general Acknowledgments. *Southeastern Naturalist*, 13(special issue 5): i-ii.
- Kogan, M. and **J. L. Cook**. 2014. The genus *Triozocera* Pierce, 1909 (Insecta: Strepsiptera: Corioxenidae) in South America. *Zootaxa*, 3779(1): 48-60.
- Smith-Herron, A. J., **J. L. Cook**, and T. J. Cook. 2014. *Brevispina tasii* n. gen., n. sp. (Apicomplexa: Eugregarinida: Stenophoroidea: Sphaerocystidae) parasitizing the crane fly *Tipula umbrosa* (Diptera: Tipulidae) from east Texas leaf litter. *Comparative Parasitology*, 81(1): 1-9.
- Morgan, A. R., A. J. Smith-Herron, and **J. L. Cook**. 2013. Rapid spread of *Balclutha rubrostriata* (Hemiptera: Cicadellidae) in Texas and southwestern Louisiana, USA with notes on its associated host plants. *Florida Entomologist* 96(2): 477-481.
- Cook, J. L.** and C. M. Tribull 2013. A new genus and species of Corioxenidae (Strepsiptera) from Madagascar, with a review of the current genera. *Annals of the Entomological Society of America* 106(3): 313-322.
- Cook, J. L.** 2013. Two new species of *Halictophagus* (Strepsiptera, Halictophagidae) from the Dominican Republic. *Zootaxa* 3620(4): 569-578.
- Cook, J. L.** 2011. A New Genus and Species of Pleidae Fieber (Hemiptera) from Venezuela, with notes on the genera of Pleidae. *Zootaxa* 3067: 26-34.
- Cook, T. J., R. E. Clopton, and **J. L. Cook**. 2011. *Neoasterophora megasilvestrensis* n. gen., n. sp. (Apicomplexa: Eugregarinida: Actinocephalidae: Pilocephalinae) parasitizing *Cheumatopsyche analis* (Trichoptera: Hydropsychidae) in the Texas Big Thicket. *Comparative Parasitology*, 78(1): 52-62.

- Tribull, C. M. and **Cook, J. L.** 2011. New species of *Halictophagus* (Strepsiptera: Halictophagidae) from Madagascar, with a review of African species. *Proceedings of the Entomological Society of Washington* 113(1): 71-76.
- Cook, J. L.** and D. J. Richardson. 2010. Epifaunistic earwigs (Dermaptera: Hemimerina) associated with Emin's pouched rat (*Cricetomys emini*) in Cameroon, Africa. *Entomological News* 121(4): 397-399.
- Cook, J. L.** 2009. New host association, distribution, and morphological variation in *Caenocholax fenyesi* (Strepsiptera: Myrmecoolacidae). *Proceedings of the Entomological Society of Washington*, 111(2): 370-377.
- Nicolai, N., F. E. Smeins, and **J. L. Cook.** 2008. Harvester ant nests improve recovery performance of drought impacted vegetation in grazing regimes of semiarid savanna, Texas. *American Midland Naturalist*, 160: 29-40.
- Clopton, R. E., T. J. Cook, and **J. L. Cook.** 2008. *Gregarina tropica* n. sp. (Apicomplexa: Eugregarinorida: Gregarinicae: Gregarinidae) parasitizing the brown-winged earwig, *Vostox brunneipennis* (Dermaptera: Labiidae), in the Texas Big Thicket. *Comparative Parasitology* 75(2): 215-227.
- Gilbert, L. E., C. L. Barr, A. A. Calixto, **J. L. Cook**, B. M. Drees, E. G. Lebrun, P. J. W. Patrock, R. M. Plowes, S. D. Porter, and R. T. Puckett. 2008. Introducing phorid fly parasitoids of red imported fire ant workers from South America to Texas: Outcomes vary by region and *Pseudacteon* species released. *Southwestern Entomologist*, 33(1): 15-29.
- Clopton, R. E., T. J. Cook, and **J. L. Cook.** 2008. *Trichurispora wellgundis* n. g., n. sp. (Apicomplexa: Eugregarinida: Hirmocystidae) Parasitizing Adult Water Scavenger Beetles, *Tropisternus collaris* (Coleoptera: Hydrophilidae) in the Texas Big Thicket. *Comparative Parasitology*, 75(1): 82-91.
- Realzola, E., **J. L. Cook**, T. J. Cook, and R. E. Clopton. 2007. Composition of gyridid aggregations in the east Texas primitive Big Thicket (Coleoptera: Gyrinidae). *Coleopterists Bulletin*, 61(4): 495-502.
- Nicolai, N., **J. L. Cook**, and F. E. Smeins. 2007. Grassland composition affects season shifts in seed preference by *Pogonomyrmex barbatus* (Hymenoptera, Myrmicinae) on the Edwards Plateau, Texas, U.S.A. *Environmental Entomology*, 36(2): 433-440.
- Clopton, R. E., T. J. Cook, and **J. L. Cook.** 2007. Revision of *Geneiorhynchus* Schneider, 1875 (Apicomplexa: Eugregarinida: Actinocephalidae: Acanthosporinae) with Recognition of Four New Species of *Geneiorhynchus* and

- Description of *Geneiorhynchus manifestus* n. sp. Parasitizing Naiads of the Green Darner, *Anax junius* (Odonata: Aeshnidae) in the Texas Big Thicket. *Comparative Parasitology* 74(2): 273-285.
- Joanna J. Hays, R. E. Clopton, T. J. Cook, and **J. L. Cook**. 2007. Revision of the Genus *Nubenocephalus* and Description of *Nubenocephalus secundus* n. sp. (Apicomplexa: Actinocephalidae) Parasitizing Adults of *Argia sedula* (Odonata: Zygoptera: Coenagrionidae) in the Primitive Texas Big Thicket, U.S.A. *Comparative Parasitology* 74(2): 286-293.
- Cook, J. L.** 2007. Review of the genus *Mengenilla* Hofeneder 1910 (Strepsiptera: Mengenillidae), with description of a new species from Madagascar. *Proceedings of the Entomological Society of Washington*, 109(1): 223-239.
- Derr, D. P. and **J. L. Cook**. 2005. Morphology of the antennae of *Caenocholax fenyesei* Pierce (Strepsiptera: Myrmecolacidae) based on scanning electron microscopy. *Proceedings of the Entomological Society of Washington*, 107(4): 762-769.
- Reeves, W. K. and **J. L. Cook**. 2005. First record of *Triozocera vernalis* Kifune and Brailovsky (Strepsiptera: Corioxenidae) from the United States, with additional records for Strepsiptera in South Carolina. *Entomological News*, 116(3):191-192.
- Cook, J. L.**, L. A. Calcaterra, and L. Nuñez. 2004. First record of *Caenocholax fenyesei* (Strepsiptera: Myrmecolacidae) parasitizing *Solenopsis invicta* (Hymenoptera: Formicidae) in Argentina with a discussion on its distribution and host range. *Entomological News*, 115(2): 61-66.
- Puckett, R. T. and **J. L. Cook**. 2004. Physiological tolerance ranges of larval *Caenis latipennis* (Ephemeroptera: Caenidae) in response to fluctuations in dissolved oxygen concentration, pH, and temperature. *Texas Journal of Science*, 2: 123-130.
- Brain, M. S., **J. L. Cook**, and T. J. Cook. 2004. *Thelohania solenopsae* (Microsporida) infection in *Solenopsis invicta* correlated with increased arthropod diversity. *Southwestern Entomologist*, 29(1): 77-79.
- Clopton, R. E., T. J. Cook, and **J. L. Cook**. 2004. *Naidocystis phykoterion* n. gen., n. sp. (Apicomplexa: Eugregarinida: Hirmocystidae) from the Mexican pygmy grasshopper *Paratettix mexicanus* (Orthoptera: Tetrigidae) in the Texas Big Thicket with recognition of three previously described members of *Naidocystis*. *Journal of Parasitology*, 90(2): 301-307.
- Cook, J. L.** 2003. Conservation and biodiversity in an area impacted by the red imported fire ant, *Solenopsis invicta* (Hymenoptera: Formicidae). *Biodiversity and Conservation*, 12(2): 187-195.

- Cook, J. L.** 2001. Evaluation of chemical management of fire ants. Red Imported Fire Ant Management Applied Research and Demonstration Reports 1997-2001: 69-74.
- Cook, J. L.** 2001. Release and attempts to document establishment of natural enemies of the red imported fire ant. Red Imported Fire Ant Management Applied Research and Demonstration Reports 1997-2001: 75-80.
- Cook, J. L.** 2001. Target-specific fire ant suppression for preservation of native species and non-target organisms such as the horned lizard. Red Imported Fire Ant Management Applied Research and Demonstration Reports 1997-2001: 81-90.
- Cook, J. L.** 2001. The strepsipteran genus *Corioxenos* (Strepsiptera: Corioxenidae). Proceedings of the Entomological Society of Washington, 103(2): 396-402.
- O'Keefe, S., **J. L. Cook**, T. Dudek, D. F. Wunneburger, M. D. Guzman, R. N. Coulson, and S. B. Vinson. 2000. Distribution of ants in Texas. Southwestern Entomologist, 22(supplement): 1-93.
- Cook, J. L.** 2000. Size relationship between adult male *Caenocholax fenyesei* (Strepsiptera: Myrmecolacidae) and its host, *Solenopsis invicta* (Hymenoptera: Formicidae). Texas Journal of Science, 52(2): 145-152.
- Summerlin, B., R. Gold, H. Howell, and **J. Cook**. 1999. Rate of knockdown for Deltamethrin (DTM) S and Deltamethrin (DTM) Aerosol against pest ants, 1997. Arthropod Management Tests, 24: J3, 1-2.
- Summerlin, B., R. Gold, and **J. Cook**. 1999. Field evaluation of Gard Star® (Permethrin 40% EC) on red imported fire ant (RIFA), 1995. Arthropod Management Tests, 24: J4, 1-2.
- Turner, C. R. and **J. L. Cook**. 1998. The ants (Hymenoptera: Formicidae) of the Caddo Lake region of northern Texas. The Texas Journal of Science, 50(2): 171-173.
- Cook, J. L.**, S. B. Vinson, and R. E. Gold. 1998. Developmental stages of *Caenocholax fenyesei* Pierce (Strepsiptera: Myrmecolacidae): Descriptions and significance to the higher taxonomy of Strepsiptera. International Journal of Insect Morphology and Embryology, 27(1): 21-26.
- Cook, J. L.**, J. S. Johnston, S. B. Vinson, and R. E. Gold. 1997. Distribution of *Caenocholax fenyesei* (Strepsiptera: Myrmecolacidae) and the habitats most likely to contain its stylopized host, *Solenopsis invicta* (Hymenoptera: Formicidae). Environmental Entomology, 26(6): 1258-1262.

- Cook, J. L.**, S. B. Vinson, and R. E. Gold. 1997. Factors affecting the use of *Caenocholax fenyesei* as a biological control agent of *Solenopsis invicta*. Proceedings of the 1997 Imported Fire Ant Conference. (1997): 87-90.
- Cook, J. L.** and B. Mathison. 1997. A new *Xenos* species (Strepsiptera: Stylopidae), parasitizing *Polistes comanchus navajo* (Hymenoptera: Vespidae) from Arizona. Entomological News, 108(4): 245-252.
- Cook, J. L.** and S. J. Herrmann. 1997. New record of *Prostoma graecense* (Nemertea: Hoplonemertea) from Southern Colorado with observations on its feeding. Southwest. Nat., Southwestern Naturalist, 42: 162-169.
- Summerlin, B., R. Gold, and **J. Cook**. 1996. Laboratory evaluation of two new formulations of Ascend[®] against the red imported fire ant, 1994. Arthropod Management Tests, 21: 388.
- Summerlin, B., R. Gold, H. Howell, and **J. Cook**. 1996. Field test to determine the feasibility of using microwave technology to control fire ants, 1994. Arthropod Management Tests, 21: 389.
- Summerlin, B., R. Gold, H. Howell, and **J. Cook**. 1996. Laboratory evaluations of five new formulations of Ascend PT370 (AI abemectin) against the red imported fire ant, 1993. Arthropod Management Tests, 21: 389-390.
- Cook, J. L.**, J. B. Martin, and R. E. Gold. 1994. First record of *Tapinoma melanocephalum* (Hymenoptera: Formicidae) in Texas. Southwest. Entomol., 19(4): 409-410.

Conference Proceedings Papers (6)

- Cook, J. L.** and P. Powell. 1999. Integrated Pest Management of the red imported fire ant. Proceedings of the Integrated Training Area Management Workshop 1999.
- Cook, J. L.**, S. B. Vinson, and R. E. Gold. 1998. Parasitization of the red imported fire ant by *Caenocholax fenyesei*: host size selection and the utilization of alates. Proceedings of the 1998 Imported Fire Ant Conference, 1998: 140.
- Cook, J. L.**, S. B. Vinson, and R. E. Gold. 1997. Factors affecting the use of *Caenocholax fenyesei* as a biological control agent of *Solenopsis invicta*. Proceedings of the 1997 Imported Fire Ant Conference, 1997: 87-90.

Cook, J. L., S. B. Vinson, and R. E. Gold. 1996. Systematics of North American Strepsiptera, with notes on the biology of *Caenocholax fenyesei*. XX International Congress of Entomology Proceedings, 1996: 40.

Cook, J. L., R. E. Gold, and S. B. Vinson. 1996. The relationship between *Caenocholax fenyesei* (Strepsiptera: Myrmecolacidae) and its host *Solenopsis invicta* (Hymenoptera: Formicidae). Proceedings of the 1996 Imported Fire Ant Conference, 1996: 145-147.

Cook, J. L., R. E. Gold, and S. B. Vinson. 1995. Prevalence of the strepsipteran, *Caenocholax fenyesei*, stylopizing *Solenopsis invicta* colonies in Brazos County, Texas. Proceedings of the 1995 Imported Fire Ant Conference, 1995: 96-101.

Books and Book Chapters (2)

Cook, J. L. 2000. Carpenter Ants and Ants: Ghost Ant. in R. E. Gold and S. Jones, eds. *The Handbook of Household and Structural Insect Pests*. Entomological Society of America Publications, 154 pp.

Cook, T. J., **J. L. Cook,** and R. E. Gold. 1998. Termite Biology and Control. Texas Agriculture Station Publications, 177 pp.

Extension Service Publications (6)

Vinson, S. B., S. T. O'Keefe, and J. L. Cook. 2003. The common ant genera of Texas. Agricultural Communications, 41pp.

O'Keefe, S. T., J. L. Cook, and S. B. Vinson. 1999. Texas fire ant identification: an illustrated key. Fire Ant Management Fact Sheet #013.

Cook, J. L. and B. M. Drees. 1998. Developing a community-wide red imported fire ant management program: selecting a strategy and contracting a commercial pest control service. Fire Ant Management Fact Sheet #001.

Cook, J. L., B. M. Drees, M. E. Merchant, and R. E. Gold. 1998. Community pest control operator involvement in community-wide fire ant management programs. Fire Ant Management Fact Sheet #002.

Cook, J. L. and B. M. Drees. 1998. Texas Pest ant identification: an illustrated key. Fire Ant Management Fact Sheet #010.

Stevenson, D. E., P. Baumann, and J. A. Jackman (written under contract by J. L. Cook). 1997. Pesticide properties that affect water quality. Texas Agricultural Extension Service, B-6050.

Presentations at Scientific Society Meetings (total = 58)

- Cook, J. L.** and C. A. Sublett. 2014. An analysis of *Neoplea* (Hemiptera: Pleidae) ovipositor morphology and evaluation of its taxonomic importance. Entomological Society of America Conference. Portland, OR November 16-19, 2014.
- McDonald, D. and **J. L. Cook**. 2014. The reproductive flight phenology of *Nylanderia fulva* (Hymenoptera: Formicidae). Entomological Society of America Conference. Portland, OR November 16-19, 2014.
- Sisson, M. S., **J. L. Cook**, T. J. Cook, and A. J. Smith-Herron. 2014. Combined molecular and morphological analysis of two morphologically different distributions of *Argia apicalis* (Odonata: Coenagrionidae) for species delineation. Entomological Society of America Conference. Portland, OR November 16-19, 2014.
- Sisson, M. S., A. J. Smith-Herron, and **J. L. Cook**. 2014. Early detection and the rapid response to natural and domestic blueberry plant pests (*Drosophila suzukii* and *Rhagoletis mendax*) in Texas. Texas Invasive Plant and Pest Conference. Port Aransas, TX. February 26-28.
- Umlang, L., D. L. McDonald, and **J. L. Cook**. 2014. Effects of acclimation temperature on the critical thermal limits of the tawny crazy ant (*Nylanderia fulva*). Southwest Branch Meeting of the Entomological Society of America. San Antonio, TX. February 24-27.
- Wilson, C. M. and **J. L. Cook**. 2013. Morphology of the male genitalia in *Brachymyrmex* Mayr (Hymenoptera: Formicidae), and their implications to the formicine phylogeny. Entomological Society of America. Austin, TX. November 10-13.
- Sublett, C. A. and **J. L. Cook**. 2012. A comprehensive revision of the New World genus *Metaparia* (Coleoptera: Chrysomelidae). Entomological Society of America. Knoxville, TN. November 11-14.
- Rahlwes, B. C., S. R. Bucheli, and **J. L. Cook**. 2012. A morphological perspective of North American Mordellini (Mordellidae: Mordellinae). Entomological Society of America. Knoxville, TN. November 11-14.

- Cook, J. L.** 2010. Ant diversity in the pine forest – a comparison of east Texas and Belize. Entomological Society of America. San Diego. December 12-15.
- Sisson, M. S., **J. L. Cook**, S. R. Bucheli. 2010. Systematics of North American Trogidae MacLeay (Coleoptera). Entomological Society of America. San Diego. December 12-15.
- Cook, J. L.** 2010. Parasitism in a heteronomous insect: new insights in the relationship of Strepsiptera and their hosts. Southwestern Association of Parasitologists. University of Oklahoma Biological Field Station. April 15-17.
- Turnbull, C. M. and **J. L. Cook**. 2009. *Halictophagus* species from Madagascar. Entomological Society of America. Indianapolis, IN December 12-16.
- Rahlwes, B. C., S. R. Bucheli, and **J. L. Cook**. 2009. Systematics of Mordellini species (Coleoptera, Mordellidae). Entomological Society of America. Indianapolis, IN December 12-16.
- Cook, J. L.** 2009. Systematics at the National Science Foundation: current trends and a new program. Entomology Collections Network. Indianapolis, IN, December 11-12.
- Cook, J. L.** 2008. The National Science Foundation and the dissemination of scientific information. Entomological Society of America. Reno, NV, November 16-19.
- Lingren, N. K., A. D. Archambeault, **J. L. Cook**, and S. Bucheli. 2008. Insect ecology and biodiversity: island ecosystems of the hancock Forest Management, a member of the Thicket of Diversity ATBI. Entomological Society of America. Reno, NV, November 16-19.
- Realzola, E. R. and **J. L. Cook**. 2007. Composition of gyridid aggregations in the east Texas primitive Big Thicket (Coleoptera: Gyrinidae). Big Thicket Science Conference. March 22-25.
- Hernandez, D. V. and **J. L. Cook**. 2007. Key to Pleidae of North America (Hemiptera: Pleidae). Big Thicket Science Conference. March 22-25.
- Hernandez, D. and **J. L. Cook**. 2006. Biodiversity of Hemipterans of the Texas Big Thicket. Southwestern Association of Naturalists. Colima, Mexico, April 13-16.
- Cook, J. L.** 2006. Entomology at Sam Houston State University, from grasshoppers and mosquitoes to ants, butterflies, and aquatic insects. Southwestern Branch of the Entomological Society of America and Southwestern Entomological Society (joint meeting). Austin, TX March 6-8 .

- Wendler, K. and **J. L. Cook**. 2006. Developmental studies of the green bottle fly, *Phaenicia coeruleivirdis* (Diptera, Calliphoridae). American Academy of Forensic Sciences. Seattle, WA., Feb. 14-18.
- Cook, J. L.** 2005. Hyperdiversity of velvet ant (Hymenoptera: Mutillidae) species at Camp Swift, Bastrop Co., Texas. Southwestern Association of Naturalists. Huntsville, TX.
- Nicolain, N. F. Smeins, **J. L. Cook**, and L. Koenig. 2005. Do harvester ants facilitate rangeland recovery following drought? **Society for Range Management**. Fort Worth, TX.
- Cook, J. L.** and D. Derr. 2004. Antennal morphology of *Caenocholax fenyesei* (Strepsiptera: Myrmecolacidae) based on scanning electron microscopy. Entomological Society of America. Salt Lake City, UT.
- Pace, H. P., Wunch, K. G., **J. L. Cook**, and M. F. Plishker. 2004. Extracellular enzymes of white rot fungi. American Chemical Society Southwest Regional Meeting. Fort Worth.
- Cook, J. L.** 2004. Inhabitants of the leaf-litter habitat within the forests of East Texas. East Texas Forest Entomology Seminar. Nachedoces, TX.
- Cook, J. L.** 2004. Nest maintenance of two sympatric species of *Pogonomyrmex* harvester ants (Hymenoptera: Formicidae): consequences of nesting in deep sands. Southwestern Association of Naturalists. San Antonio, TX.
- Cook, T. J., **J. L. Cook**, and R. E. Clopton. 2004. Eugregarine parasites of aquatic and riparian insects of the Big Thicket. Southwestern Association of Naturalists. San Antonio, TX.
- Lowery, B. and **J. L. Cook**. 2004. Morphological Characteristics of *Corydalus* sp. in Texas. Tri-Beta Conference. Lake Texoma, OK.
- Copeland, J., K. Wunch, **J. L. Cook**, and M. F. Plishker. 2004. The Ability of white rot fungi to attract subterranean termites. Tri-Beta Conference. Lake Texoma, OK.
- Cook, J. L.** 2003. Distribution of the harvester ant *Pogonomyrmex comanche* on a geographical and regional scale. Entomological Society of America. Cincinnati, OH.
- Lynch, L. and **J. L. Cook**. 2003. Daily activity and temperature tolerance of *Dasymutilla* spp. (Hymenoptera: Mutillidae). Entomological Society of America. Cincinnati, OH.

- Layton, M. and **J. L. Cook**. 2003. The ecology and life history of Mutillidae (Hymenoptera) species found in central Texas. Entomological Society of America. Cincinnati, OH.
- Cook, J. L.** 2003. Preliminary Survey of Leaf –Litter Ant Diversity in the Big Thicket Region of east Texas. Big Thicket Conference. Beaumont, TX.
- Cook, T. J. and **J. L. Cook**. 2003. Eugregarine parasites of aquatic and riparian insects of the Big Thicket. Big Thicket Conference. Beaumont, TX.
- Cook, J. L.** 2003. Change in native and diversity by an invasive ant: how different levels of *Solenopsis invicta* affect ant communities. Southwestern Association of Naturalists. Norman, OK.
- Puckett, R. and **J. L. Cook**. 2003. Bioassessment potential and water quality tolerance thresholds of larval Ephemeroptera in four southeast Texas streams. Texas Academy of Science. Nacledoces, TX.
- Puckett, R. and **J. L. Cook**. 2002. Survey of bioassessment potential of mayfly (Ephemeroptera) assemblages of four Southeast Texas streams. Entomological Society of America. Fort Lauderdale, FL.
- Cook, J. L.** 2002. Task allocation of *Pogonomyrmex comanche* workers. Entomological Society of America. Fort Lauderdale, FL.
- Harrison, D. J. and **J. L. Cook**. 2002. A phylogenetic investigation of cuticular hydrocarbons in Texas harvester ants (*Pogonomyrmex* spp.) Entomological Society of America. Fort Lauderdale, FL.
- Cook, J. L.** 2002. Resource partitioning by two species of harvester ants (*Pogonomyrmex*: Formicidae: Hymenoptera) in central Texas. Southwestern Association of Naturalists. Cuernavaca, Mexico.
- Cook, J. L.** 2002. Conservation of biodiversity in an area impacted by the red imported fire ant, *Solenopsis invicta* (Hymenoptera: Formicidae). Texas Academy of Science. Laredo, Texas.
- Cook, J. L.** 2001. Larval Development of the Twisted Wing Parasites (Hexapoda: Strepsiptera). Southwestern Association of Parasitologists. University of Oklahoma Biological Field Station.
- Cook, J. L., S. O'Keefe, and S. B. Vinson.** 2001. Texas Native Ants: Identification and Distribution. Annual Imported Fire Ant Research Conference. San Antonio, Texas.

- Cook, T. J. and **J. L. Cook**. 2000. *Thelohania solenopsae* (Microsporida: Thelohaniidae) impact on imported fire ant populations at two locations in Texas Society for Invertebrate Pathology. Guanajuato, Mexico.
- Cook, J. L.** 2000. Fort Meade, Maryland. Web Based Training: Invasive Alien Species on Military Land. Non-Indigenous Species in the Mid-Atlantic States. Fort Meade, Maryland.
- Porter, S. D., **Cook, J. L.**, et al. 1999. Successful establishment of fire ant decapitating flies in the United States. Entomological Society of America. Atlanta, Georgia.
- Cook, J. L.** 1999. Integrated pest management of the red imported fire ant. Integrated Pest Management Workshop, St. Cloud, Minnesota
- Cook, J. L.** and J. B. Martin. 1998. Seasonal change in the leaf litter ant community in the Big Thicket, Texas. Entomological Society of America, Las Vegas, Nevada
- Cook, J. L.** 1998. Parasitization of the red imported fire ant by *Caenocholax fenyesei*: host size selection and the utilization of alates. Imported Fire Ant Conference, Hot Springs, Arkansas
- Cook, J. L.** 1998. Biological Control in a Protected Landscape. American Zoological Horticulturists, Galveston, Texas
- Cook, J. L.** 1997. Size relationship between adult male *Caenocholax fenyesei* (Strepsiptera) and its host, *Solenopsis invicta* (Hymenoptera: Formicidae). Entomological Society of America, Nashville, Tennessee.
- Cook, J. L.** 1997. Factors affecting the use of *Caenocholax fenyesei* as a biological control agent of *Solenopsis invicta*. Imported Fire Ant Conference, Gainesville, Florida
- Cook, J. L.** 1996. Systematics of North American Strepsiptera, with notes on the biology of *Caenocholax fenyesei*. XX International Congress of Entomology, Florence, Italy Strepsiptera Symposium (invited talk).
- Cook, J. L.** and R. E. Gold. 1996. The Relationship Between *Caenocholax fenyesei* (Strepsiptera: Myrmecolacidae) and its host *Solenopsis invicta*. Imported Fire Ant Conference, New Orleans, Louisiana
- Cook, J. L.** and R. E. Gold. 1995. Investigation of the relationship of *Caenocholax fenyesei* and *Solenopsis invicta* and its biological control potential Entomological Society of America, Las Vegas, Nevada

Cook, J. L. and R. E. Gold. 1995. Prevalence of the Strepsipteran, *Caenocholax fenyesei*, stylopizing *Solenopsis invicta* colonies in Brazos County, Texas Imported Fire Ant Conference, San Antonio, Texas

Cook, J. L. and R. E. Gold. 1994. Behavioral effect on *Solenopsis invicta* Buren caused by a strepsipteran parasite, *Caenocholax fenyesei* Pierce. Entomological Society of America, Dallas, Texas

Cook, J. L. 1992. The ecology of a freshwater nemertean, *Prostoma graecense*. Colorado and Wyoming Academy of Science, Air Force Academy, CO

Invited Presentations (total = 38)

- 2014 Importance of Research to Your Career. Undergraduate STEM Conference, Lamar University. 1 hour.
- 2013 Sam Houston State University. Invasive Species Research and the Importance of Museums. 1 hour.
- 2012 Testimony for the Texas Legislature Committee on Tourism. Management Strategies for Aquatic Invasive Species. 20 minutes.
- National Invasive Species Awareness Week. Invasive Species and Biofuels. 30 minutes.
- 2011 NCURA Region V Meeting. Creating a Faculty Development Program That Can Lead to Grant Productivity (3.5 hours).
- 2007 Sam Houston State University. Biology and Systematics of the Strepsiptera (1 hour).
- 2006 Sam Houston State University, Research and Special Programs Grant Workshop. Grant Writing Strategies (20 min.).
- Big Thicket Day. Thicket of Diversity: The Big Thicket ATBI (20 min.)
- Texas A&M University. Strepsiptera: Insights on a Little Known Order (1 hour).
- National Science Foundation. Biology and Systematics of the Strepsiptera (1 hour).

- Master Naturalists Program. Entomology for Master Naturalists (2 hours).
- Stephen F. Austin State University. The Bizzare Natural History of Strepsipterans (1 hour).
- University of Texas, Tyler. The Bizzare Natural History of Strepsipterans (1 hour).
- 2005 Outdoor Educators Program. Insects 101 (1 hour).
- Master Naturalists Program. Entomology for Master Naturalists (2 hours).
- REU Summer Program. Forensic Entomology (30 min.)
- Blackwood Law Enforcement Management of Texas. Entomology for Law Enforcement (8 hours).
- 59th Midwinter PCO Workshop for Advanced Learning, College Station, TX. A Review of Pest Ants and Their Control (60 min.)
- 2004 REU Summer Program. Life History of the Strepsiptera (40 min.)
- 2002 Nature Discovery Center. Texas Ants (90min.)
- 2000 National Audubon Society. Native and Invasive Ants in Texas (60min).
- 1999 Sam Houston State University Seminar Series. Biology and Systematics of Strepsiptera (60 min.)
- Sam Houston State University. Ant Ecology and Biological Control (60 min.)
- Texas Agricultural Extension Service 1999 Spring Pest Management Seminar, Dallas TX. Ant Biology and Control (60 min.)
- Extension Entomology Professional Improvement Conference, Junction, TX. Ant Identification Workshop (120 min.).
- Extension Entomology Professional Improvement Conference, Junction, TX. Termite Correspondence Course (15 min.).
- 53rd Midwinter PCO Workshop for Advanced Learning, College Station, TX. Pest Ant Identification (60 min.).

- 53nd Midwinter PCO Workshop for Advanced Learning, College Station, TX. Ant Biology and Control (60 min.).
- 53nd Midwinter PCO Workshop for Advanced Learning, College Station, TX. Tramp Ants (20 min.).
- 1998
- USDA, Gainesville, FL
Biology of the Myrmecolacidae (30min)
- Greater Houston Pest Control Association PCO Workshop, Houston, TX.
The Texas Fire Ant Management Plan (30 min.).
- Greater Houston Pest Control Association PCO Workshop, Houston, TX.
Pest Ant Identification (30 min.)
- 52nd Midwinter PCO Workshop for Advanced Learning, College Station, TX. Pest Ant Identification and Control (60 min.).
- 52nd Midwinter PCO Workshop for Advanced Learning, College Station, TX. Insects to Order - Identification of Insects (60 min.).
- 52nd Midwinter PCO Workshop for Advanced Learning, College Station, TX. Texas Fire Ant Management Plan - PCO involvement (30 min).
- 52nd Midwinter PCO Workshop for Advanced Learning, College Station, TX. Research Vignettes - The Ant Laboratory at Texas A&M University (15 min.)
- Grayson County Pest Management Conference, Sherman, TX. Pest Ant Identification and Control (60 min.).
- 1997
- 38th Pest Control Operator's School, Columbia, SC. Identification of Pest Ants (30 min.).
- 51st Midwinter PCO Workshop for Advanced Learning, College Station, TX. Insects to Order (60 min.).
- 51st Midwinter PCO Workshop for Advanced Learning, College Station, TX. Wood Boring Beetles (60 min.).
- 51st Midwinter PCO Workshop for Advanced Learning, College Station, TX. Research Vignettes - Ant Parasites (15 min.).
- 1996
- 50th Midwinter PCO Workshop for Advanced Learning, College Station, TX. Pest Ant Identification (60 min.).

Grants (total funded = 75 for \$2,504,422.00)

Texas Forest Service/United States Department of Agriculture. Emerald Ash Borer Survey in Texas 2014. 2014. \$96,000.

Texas Army National Guard. Aquatic Ecosystem Health and Rare Species Surveys. 2013-2014. \$158,407.

Texas Department of Agriculture. Imported fire ant survey at the quarantine border. 2013. \$15,000.

Texas Forest Service/United States Department of Agriculture. Emerald Ash Borer Survey in Texas 2013. 2013. \$5,400.

Sam Houston University Foundation. Crazy Ants Grant. 2013. \$100,000.

United States Department of Agriculture. Emerald Ash Borer Survey in Texas 2012. 2012. \$84,060.

Texas Army National Guard. Population change in red imported fire ants from 2003 to 2009 at four Texas sites. 2008-2009. \$30,000

Big Thicket ATBI. Preliminary insect survey of the Texas Big Thicket. 2008-2009. \$7,000.

Whitmire Micro-Gen. Evaluation of a gel bait against four ant species. 2008. \$10,000.

BASF. Evaluation of the efficacy of a metaflumizone ant bait against the red imported fire ant, *Solenopsis invicta*. 2006. \$8,000.

National Forest Service. Short-term impacts of prescribed fire and wildlife on populations of the red imported fire ants in loblolly pine ecosystems. 2006. \$14,000.

Texas Army National Guard, Environmental Resources Management Branch. Management and Monitoring of *Pogonomyrmex comanche* at Camp Swift and Camp Maxey, Texas; and Continued Monitoring of Phorid Flies for the Control of Fire Ants at Camp Maxey. 2006-2007. \$25,000.

BASF. Evaluation of the efficacy of a new ant bait, with a novel active ingredient, against the red imported fire ant, *Solenopsis invicta* in field applications. 2006. \$10,000.

Whitmire Micro-Gen. Evaluation of new aerosol spray insecticides to control pest ant species. 2006. \$4,000.

Moody Gardens. Native Butterfly Captive Breeding Program. 2006. \$1920.00.

Whitmire Micro-Gen. Unrestricted Grant to the Research Program of Jerry Cook. 2005. \$5,000.

Whitmire Micro-Gen. Efficacy and Comparison of Bait Formulations in Controlling *Solenopsis invicta* and *Monomorium pharaonis*. 2005. \$14,000.

National Science Foundation. ROA supplement to RUI Collaborative Research: Microbial Survey and Inventory of gregarines parasitizing aquatic and riparian insects of the Texas Big Thicket. 2004-2007. \$24,172.00

BASF. Evaluation of the efficacy of a new ant bait, with a novel active ingredient, against the red imported fire ant, *Solenopsis invicta*. 2005. \$8,000.

Moody Gardens. Native Butterfly Captive Breeding Program. 2005. \$6675.00.

National Forest Service. Short-term impacts of prescribed fire and wildlife on populations of the red imported fire ants in loblolly pine ecosystems. 2003-2005. \$14,000.

Texas Army National Guard, Environmental Resources Management Branch. Management of *Pogonomyrmex comanche* at Camp Swift, Texas. 2005-2006. \$40,000

Texas Army National Guard, Environmental Resources Management Branch. Release and attempt to establish Natural Enemies of the Red Imported Fire Ant. 2004-2006. \$100,000.

Whitmire Micro-Gen. Unrestricted Grant to the Research Program of Jerry Cook. 2004. \$5,000.

Moody Gardens. Native Butterfly Captive Breeding Program. 2004. \$3654.00.

Federal Appropriation of the Department of Homeland Security. Detection,

testing, mapping and movement of carriers of deadly disease: disease vector studies along the US-Mexico border and their potential threat to Homeland Security. 2004-2005. \$257,000.

National Science Foundation. RUI Collaborative Research: Microbial Survey and Inventory of gregarines parasitizing aquatic and riparian insects of the Texas Big Thicket. 2004-2007. \$232,584.

BASF. Transfer of Materials Between Individual Ants Within a Colony. 2004-2005. \$20,000.

Moody Gardens. Beneficial Insect Research at Moody Gardens. 2004. \$5,000.

Whitmire Micro-Gen. Unrestricted Grant to the Research Program of Jerry Cook. 2004. \$5,000.

Whitmire Micro-Gen. Efficacy of a Four Formulations of Boric Acid Baits and a Dual Choice Ant Bait. 2004. \$5,000.

Whitmire Micro-Gen. Unrestricted Grant to the Research Program of Jerry Cook. 2003. \$5,000.

Castor Oil Incorporated. Activity of Castor Oil Products for Control of the Red Imported Fire Ant, *Solenopsis invicta*. 2003. \$12,000.

Moody Gardens. Biological control of pests in an enclosed environment. 2003. \$5,000.

Texas Army National Guard, Environmental Resources Management Branch. Selective Application of Chemical Baits for the Management of *Solenopsis invicta* at TXARNG Training Sites. 2003-2004. \$22,000.

Texas Army National Guard, Environmental Resources Management Branch. Management of *Pogonomyrmex comanche* at Camp Swift, Texas. 2003-2004. \$20,000.

National Forest Service. Short-term impacts of prescribed fire and wildlife on populations of the red imported fire ants in loblolly pine ecosystems. 2003-2005. \$18,000.

Whitmire Micro-Gen. Efficacy testing of red imported fire ant bait formulations containing spinosad and methoprene. 2003, \$5,000

BASF Professional Pest Control. Evaluation of Termidor SC for the Control of Nuisance Ant Species. 2003. \$5,000.

City of Huntsville. Mosquito surveillance for West Nile Virus (with Diane Neudorf). 2003. \$805.

Texas Army National Guard, Environmental Resources Management Branch. Chemical Control of Red Imported Fire Ants at TXARNG Training Sites. 2003. \$10,000.

Whitmire Micro-Gen. 2003. Unrestricted Grant to the Research Program of Jerry Cook \$5,000.

Houston Museum of Natural Science. Entomolgy Collections Management. 2003. \$1,907.

Texas Excellence Fund. Aquatic Insects and their Cephaline Gregarines (Protista: Apicomplexa) Parasites in the Big Thicket Region of East Texas (with T. J. Cook). 2003. \$20,000.

Wellmark International. Determination of Efficacy of a Cockroach Bait Against Two Pest Ant Species. 2002. \$3,000.

Wellmark International. Determination of Efficacy of a Two Active Ingredient Baits Against Common Household Pest Ant Species. 2002. \$8,000.

Texas Army National Guard, Environmental Resources Management Branch. Selective Application of Chemical Baits for the Management of *Solenopsis invicta* at TXARNG Training Sites. 2002-2003. \$30,000.

Texas Army National Guard, Environmental Resources Management Branch. Management of *Pogonomyrmex comanche* at Camp Swift, Texas. 2002-2003. \$20,000.

Whitmire-Micro-Gen. Evaluation of liquid baits for control of *Tetramorium bicarinatum*. 2002. \$2,000.

Texas Excellence Fund. Aquatic Insects and their Cephaline Gregarines (Protista: Apicomplexa) Parasites in the Big Thicket Region of East Texas (with T. J. Cook). 2002. \$20,000.

Texas Army National Guard, Environmental Resources Management Branch. The Distributional Status and Prey Base of the Texas Horned Lizard (*Phrynosoma cornutum*) on Camp Bowie, Brown County, Texas. 2002. \$6,395.

PathBug, Ltd. Evaluation of new baits for the control of pest ants. 2001. \$2125.

Texas Army National Guard, Environmental Resources Management Branch. Selective Application of Chemical Baits for the Management of *Solenopsis invicta* at TXARNG Training Sites. 2001-2002. \$30,000.

Texas Army National Guard, Environmental Resources Management Branch. Management of *Pogonomyrmex comanche* at Camp Swift, Texas. 2001-2002. \$20,000.

Moody Gardens. Biological control of pests in an enclosed environment. 2001. \$5,000.

Whitmire-Micro-Gen. Efficacy Testing of a New Experimental Ant Bait to Control Sweet Feeding Ants. 2001. \$2,000.

Wellmark International. Determination of the Efficacy of Methoprene and Boric Acid Baits for Sweet Feeding Ants. 2001. \$1,500.

Texas Army National Guard, Environmental Resources Management Branch. Application of Phorid Flies in the Management of *Solenopsis invicta* at TXARNG Training Sites. 2000-2001. \$60,000.

Texas Army National Guard, Environmental Resources Management Branch. Selective Application of Chemical Baits for the Management of *Solenopsis invicta* at TXARNG Training Sites. 2000-2001. \$20,000.

Whitmire-Micro-Gen. Protein/Lipid Ant Bait Base Attractancy. 2000. \$3,000.

Wellmark International. Determination of efficacy of Methoprene Baits Against *Tapinoma melanocephalum* (Fabricius) and *Monomorium minimum* (Linnaeus). 2000. \$1,500.

Moody Gardens. Biological control of pests in an enclosed environment. 1999-2000. \$5,000.

Texas Army National Guard, Environmental Resources Management Branch. Release and attempt to establish natural enemies of the red imported fire ant. 1999-2000, \$60,000.

Texas Army National Guard, Environmental Resources Management Branch. Target-specific fire ant suppression for preservation of native species and non-target organisms such as the horned lizard. 1999-2000, \$20,000.

Moody Gardens. Biological control of pests in an enclosed environment. 1998-1999,

\$30,000.

Texas Army National Guard, Environmental Resources Management Branch. 1998-1999; \$90,000.

Premium Compound Products and AGREVO Environmental Health. Efficacy of pyrethroid impregnated nursery containers as an imported fire ant quarantine treatment for containerized nursery stock (with R. E. Gold). 1999; \$13,000.

Orkin Pest Control. Correspondence school in termite biology and control (With T. J. Cook and R. E. Gold), 1999; \$100,000.

AGREVO Environmental Health. Efficacy of Deltamethrin Granules in the suppression of red imported fire ant colonies (with R. E. Gold). 1998; \$2,000.

Whitmire Micro-Gen. Evaluation of efficacy of a boric acid bait in an experimental bait station (With R. E. Gold), 1998; \$3,000.

Whitmire Micro-Gen. Efficacy of a new carpenter ant bait (With R. E. Gold), 1998; \$2,000.

Orkin Pest Control. Correspondence school in termite biology and control (With T. J. Cook and R. E. Gold), 1998; \$410,000.

Moody Gardens. Biological control of pests in an enclosed environment. 1997-1998, \$30,000.

Whitmire Micro-Gen Research Laboratories, Inc. Laboratory evaluation of the efficacy of liquid baits against Pharaoh ants and assessments of the attractancy of granular and gel baits to pest ants in Moody Gardens Conservatory, Galveston, Texas (with R. E. Gold and B. Summerlin), 1997; \$2,500.

Orkin Pest Control. Development of text and workbook of termite biology and control (with T. J. Cook and R. E. Gold), 1997; \$50,000.

Hilton Head Laboratories. Evaluation of experimental bait HHL #244-1 (with R. E. Gold and J. W. Summerlin), 1997; \$3,000.

Entomological Society of America Competitive Travel Grant. Travel to the XX

International Congress of Entomology, Florence Italy. Aug. 25-31, 1996; \$2,475.

Texas A&M University Entomology Graduate Student Competitive Scholarship.
Research grant, 1996; \$500.

Texas A&M University Entomology Graduate Student Competitive Scholarship. Travel
grant, 1995; \$500.

Texas A&M University, Office of Graduate Studies, Graduate Student Mini Grant, 1995;
\$500.

Honors, Awards and Service

- 2014 National Science Foundation Reviewer
- President-elect, North American Invasive Species Network
- Secretary, Invasive Species Advisory Committee
- Director, North American Invasive Species Network
- National Science Foundation Panalist
- President Texas Invasive Plant and Pest Council
- Program chair, Texas Invasive Plant and Pest Conference
- Editor for Southeastern Naturalist special issue, *Proceedings of the 5th Big Thicket Science Conference: Changing Landscapes and Changing Climates.*
- 2013 External Reviewer for Texas Academy of Sciences student grant
 competition.
- Appointed by Secretary of Interior Ken Salazar to the Invasive Species
 Advisory Committee.
- 2012 National Science Foundation External Reviewer
- External Reviewer for Entomology Department promotions for Kansas
 State University
- 2011 Vice President Texas Invasive Plant and Pest Council
- Board of Directors, Big Thicket Association

- Board of Directors, Texas Invasive Plant and Pest Council
- 2010 Session Moderator for Entomological Society of America, San Diego, CA
- External Reviewer for ten year plan, Division of Hymenoptera,
 Department of Entomology, Smithsonian Institution
- 2009 National Science Foundation Future of Systematics Steering Committee
- Advisory Board for Planning of the Dalquest Research Station
- External Reviewer of the Biology Department, Midwestern State
 University
- National Science Foundation Panelist for Assembling the Tree of Life
- National Science Foundation External Reviewer for Systematics (3
 proposals)
- Guest Editor, *Southeastern Naturalist*
- 2008- Subject Editor, *Proceedings of the Entomological
 Society of Washington*
- 2008 National Science Foundation Review Panelist for Biological Research
 Collections
- Session Moderator for Entomological Society of America, Reno, NV
- 2006-2008 President, Big Thicket ATBI
- 2006 Texas Rangers: consultant on Forensic Entomology on murder
 Investigation
- 2006 National Science Foundation External Reviewer for Systematics (6
 proposals)
- 2006 Big Thicket ATBI Science Chairman
- 2005- Associate Editor for Invertebrates, *The Southwestern Naturalist*
- 2005- Secretary/Treasurer, Southwestern Association of Parasitologists
- 2005-2006 Faculty Senate, Sam Houston State University

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| 2005-2006 | Faculty Tenure Advisory Committee |
| 2005 | National Science Foundation Systematics grant reviewer (2 proposals). |
| 2005 | National Science Foundation PEET grant reviewer. |
| 2005 | National Science Foundation Review Panel in Systematics |
| 2005- | Academic Director, Texas Academy of Science |
| 2004 | Special Recognition Award, College of Arts and Sciences, Sam Houston State University |
| 2004 | Who's Who Among America's Teachers, nominated by student |
| 2003-2005 | Chair, Terrestrial Ecology Section, Texas Academy of Science |
| 2003 | Judging Panel for SCI://TECH Science Fair, at Montgomery College |
| 2002 | Vice Chair, Terrestrial Conservation Section, Texas Academy of Science |
| 2002 | Steering Committee for the Houston Museum of Natural Science |
| 2002 | Judging Panel for Huntsville Intermediate School Science Fair |
| 2002 | Judging Panel for SCI://TECH Science Fair, at Montgomery College |
| 2001-2004 | San Houston State University Faculty Library Committee |
| 2001 | Special Recognition Award, College of Arts and Sciences, Sam Houston State University |
| 2001 | Vice Chair, Terrestrial Conservation Section, Texas Academy of Science |
| 2001 | Judging Panel for Cold Spring/Oakhurst Science and Engineering Fair |
| 1998 | Fred Dahmer Award Caddo Lake Institute Karnack, TX |
| 1998-2000 | Judging Panel for the Jeffery P. LaFage Graduate Student Research Award Entomological Society of America |
| 1996 | Invited Speaker |

- Strepsiptera Symposium
XX International Congress of Entomology
Florence, Italy
- 1996 Presidents Prize for Student Papers
Entomological Society of America
Las Vegas, Nevada
- 1995-1996 Student Representative
Southwestern Branch, Entomological Society of America
- 1994-1995 Museum Volunteer (organizing Strepsiptera and Formicidae collection)
Entomological Museum
Texas A&M University
- 1994-1995 Vice President
Entomology Graduate Student Organization
Texas A&M University
- 1994 Insect Expo Volunteer
Entomological Society of America
Dallas, Texas
- 1994 Biological Control Faculty Search Committee
Student Representative
Department of Entomology, Texas A&M University

Reviews of Scholarly Work (25 journals)

Peer Reviewer for:

African Entomology
Annals of the Entomological Society of America
Cladistics
Comparative Parasitology
Conservation and Biodiversity
Ecological Entomology
Entomological News
Entomological Science
Environmental Entomology
Florida Entomologist
Graellsia
International Journal of Systematic Entomology
Insectes Sociaux
Journal of the Kansas Entomological Society

Journal of Medical Entomology
Pan-Pacific Entomologist
Pest Management Science
Proceedings of the Entomological Society of Washington
Southwestern Entomologist
Southwestern Naturalist
Systematic Entomology
Texas Journal of Science
Proceedings of the Royal Entomological Society
Zoologica Scripta
Zookeys
Zootaxa