

**TEXAS STATE VITA**  
updated January 20, 2016

I. Academic/Professional Background

A. Name: **James R. Ott** Title: Associate Professor  
 Department of Biology  
 Texas State University-San Marcos  
 San Marcos, Texas 78666-4616  
 512-245-2321  
 Jimott@txstate.edu  
<http://www.bio.txstate.edu/~jott/ott.html>

B. Educational Background

Degree	Year	University	Major	Thesis/Dissertation
Ph.D.	1990	University of Maryland	Zoology	

Experimental Analysis of Selection For Body Size in the Seed Beetle, *Acanthoscelides alboscuteallatus* (Coleoptera: Bruchidae), Imposed by its Host Plant, *Ludwigia alternifolia* (Onagraceae).

M.S. 1983 North Carolina State Univ. Zoology

Bumblebee Response to Variance in Nectar Availability: Implications for the Genetic Structure of Plant Populations.

B.S. 1980 George Mason University Biology

C. University Experience

University	Position	Date
Texas State University	Associate Professor	2001- present
	Assistant Professor	1994 - 2000
University of Maryland	Postdoctoral Fellow	1990 - 93
Department of Entomology		
University of Virginia	Postdoctoral Fellow	1990

D. Relevant Professional Experience

Position	Entity	Dates
Graduate Advisor	Texas State University	2006-2009
(Program 402.43: Pop. & Cons. Bio.)		
NSF REU Mentor	University of Virginia Blandy Experimental Farm	2000, 2003
Postdoctoral Fellow	University of Maryland Department of Entomology	1990 - 93
Postdoctoral Fellow	University of Virginia	1990
Instructor of Record	University of Maryland Department of Entomology	1990 - 1992
Laboratory Instructor	Mary Mount University, Arlington, VA.	1979-1980

## II. TEACHING

### A. Teaching Honors and Awards:

Alpha Chi Favorite Professor Award	SWT	1999
Tri-Beta Teacher of the Year Award	SWT	1995

### B. Course Taught:

#### COURSES TAUGHT

<u>Undergraduate</u>	<u>Texas State University</u>	<u>(1994 to present)</u>
<i>Course</i>	<i>Title</i>	<i>Year(s)</i>
Bio. 1331	Organismal Biology	2000 - present
Bio. 4301	Evolution	1998 - present
Bio. 3400	Evolution & Genetics	1994 - 2000
Bio. 4416	General Ecology	1994 - 2000
Bio. 3351	Genetics (Nonmajors)	1995 - 1997
Bio. 4299	Independent Research	1994 - present

<u>Graduate</u>	<u>Texas State University</u>	<u>(1994 to present)</u>
<i>Course</i>	<i>Title</i>	<i>Year(s)</i>
Bio. 7120	Population Biology Seminar: Meta-Analysis	2009
Bio. 7120	Population Biology Seminar: Student Research	2008
Bio. 7120	Population Biology Seminar: Endemism	2008
Bio. 7120	Population Biology Seminar: Invasion Biology	2007
Bio. 7120	Population Biology Seminar: Biology of Rarity	2006
Bio. 7120	Population Biology Seminar: Plant Defense	2014

Bio. 7428	Population Biology II.	2005 - present
Bio. 7427	Population Biology I. Unofficial Co-IOR	2005 - present
Bio. 5301.	Evolution	1998 - present
Bio. 5399A,B	Graduate Thesis Research:	1994 - present
Bio. 5319	Insect Ecology	2001
Bio. 5319	Natural Selection in Theory and Practice	2000
Bio. 5110E	Plant-Herbivore Interactions	1998
Bio. 5319	History and Development of Competition Theory	1997
Bio. 5110E	Plant-Animal Interactions	1996
Bio. 5319	Fundamentals of Population Biology	1995

#### Graduate Courses taught as Instructor of Record prior to Texas State Employment

<u>University</u>	<u>Title</u>	<u>Year</u>
University of Maryland	Evolution of Host Range in Insects	1990
(Dept. of Entomology)	Special Topics in Entomology	1992

#### Undergraduate Courses taught as Instructor of Record prior to Texas State Employment

University of Maryland	Honors Biology	1988
(Dept. of Zoology)		
Mary Mount University	Human Anatomy & Physiology	1979-80
Arlington, Virginia		

C. Graduate Theses/Dissertations or Exit Committees

Graduate students Supervised

<u>Student</u>	<u>Degree</u>	<u>Year</u>	<u>Outcome</u>
Kim Ort	MS	2015	in progress
Amanda Driscoe	MS	2015	in progress
Robert Busbee	MS	2015	in progress
Chelsea Smith	MS	2015	in progress
Holly Zafain	MS	2011	graduated non-thesis
Christopher Warren	MS	2011	graduated
Cristina Campbell	MS	2010	graduated
Jason Hunt	MS	2010	graduated
Bindu Viswanathan	MS	2010	initial mentor F07-S09
Glen Hood	MS	2009	graduated
Garrett Street	MS	2007	initial mentor F07
Michelle Downey	MS	2007	initial mentor F07
Anita Pokharel	MS	2007	initial mentor F07
Lisa Gloyna	MS	2007	dropped from program
Esther Chovenac	---	2006	dropped from program
Greg Cryer	MS	2004	graduated
Scott Egan	MS	2003	graduated
Lezlie Jones	---	2002	Felled by Brain Tumor
Carmen Hall	MS	2001	graduated
Richard Reynolds	MS	2000	graduated
Preston Galusky	MS	2000	graduated
Michael McFaddin	---	1999	changed advisor
Tracy Bousselot	---	1999	dropped from program
Evan Braswell	MS	1998	graduated
JoAnne Lund	MS	1998	graduated
Erin Brown	---	1997	dropped from program
Cliff Hamerick	---	1997	changed advisor

Graduate Student Committee Service

<u>Student</u>	<u>Major Advisor</u>	<u>Degree</u>	<u>Year</u>	<u>Outcome</u>
Miguel Aguilar	Dr. Veech	MS		in progress
Tempest Cave	Dr. Veech	MS		in progress
Ruben Tovar	Dr. Nice	MS		in progress
Amara Garza	Dr. Nice	MS		in progress
Alex Zalmet	Dr. Martin	MS		in progress
Katherine Bell	Dr. Nice	PhD		in progress
Lauren Lucas	Dr. Nice	PhD		in progress
Cheng Jung Sung	Dr. Martin	MS		in progress
Steven Nagy	Dr. Gabor	MS		-- dropped from program
Leslie Dietz	Dr. Martin	MS		-- dropped from program
Kristina Zabierek	Dr. Gabor	MS	2014	graduated
Stephanie Miller	Dr. Veech	MS	2014	graduated
Desirae Weyland	Dr. Nice	MS	2013	graduated
Sheng wei Ho	Dr. Martin	MS	2013	graduated
Drew Davis	Dr. Gabor	MS	2012	graduated

Katherine Bell	Dr. Nice	MS	2012	graduated
Sunni Taylor	Dr. Martin	PhD	2012	graduated
Mary Dobson	Dr. Martin	MS	2010	graduated
Bindu Viswanathan	Dr. Veech	MS	2010	graduated
William Simper	Dr. Green	MS	2010	graduated
Michelle Downey	Dr. Nice	MS	2010	graduated
Garrett Street	Dr. Weckerly	MS	2010	graduated
Austin Hill	Dr. Green	MS	2009	graduated
Vincent Farallo	Dr. Forstner	MS	2009	graduated
Tina Gonzales	Dr. Nice	MS	2008	graduated
Clayton Williams	Dr. Nice	MS	2008	graduated
Andrew Blair	Dr. Williamson	MS	2007	graduated
Zac Gompert	Dr. Nice	MS	2006	graduated
Lauren Lucas	Dr. Nice	MS	2006	graduated
Donnell Robinson	Dr. Gabor	MS	2006	graduated
Dawn Ramzinski	Dr. Weckerly	MS	2006	graduated
Katie Richardson	Dr. Weckerly	MS	2005	graduated
Rosie Gonzales	Dr. Gabor	MS	--	dropped from program
Meredith Longoria	Dr. Weckerly	MS	2005	graduated
Maurin Spencer	Dr. Nice	MS	2005	graduated
Jennifer Gumm	Dr. Gabor	MS	2004	graduated
Anna Strong	Dr. Williamson	MS	---	changed committee
Erin Atchison	Dr. Lavalli	MS	2001	graduated
Kenneth Pruitt	Dr. Baccus	MS	2001	graduated
Jeannette Shelby	Dr. Arsuffi	MS	--	dropped from program
Harry Bashaw	Dr. Baccus	MS	--	dropped from program
Lin Poor	Dr. Baccus	MS	--	changed committee
Matthew Scoggins	Dr. Arsuffi	MS	2001	graduated
Mr. Jay McGhee	Dr. Baccus	MS	2001	graduated
Mr. Todd Swannack	Dr. Rose	MS	2000	graduated
Mr. Fred Gonzales	Dr. Garcia	MS	2000	graduated
Ms. Kelly McDermott	Dr. Arsuffi	MS	2000	graduated
Mr. Ronnie Kirchof	Dr. Baccus	MS	1999	graduated
Mr. David Levine	Dr. Arsuffi	MS	1999	graduated
Ms. Kari Sutton	Dr. Baccus	MS	1998	graduated
Ms. Helen Becker	Dr. Baccus	MS	1998	graduated
Mr. Paul Hendrix	Dr. Baccus	MS	1998	graduated
Mr. Bobby Caskey	Dr. Koehn	MS	1998	graduated
Mr. Tolgar O. Bayraktaroglu	Dr. Rosenblum	MS	1998	graduated
Ms. Lana Ruiseco	Dr. Barnes	MS	1998	graduated
Mr. Marvin Whiteley	Dr. McLean	MS	1997	graduated
Mr. Ari Kahn	Dr. Horne	MS	1996	graduated
Mr. Scott Roberts	Dr. Baccus	MS	1996	graduated

## D. Courses Prepared and Curriculum Development:

### Major curriculum developments:

1. February 2006. New Program: Addition of a new major for the MS Degree in Biology. THECB approved Program # 402.43, a Masters Degree in Biology with a major in Population and Conservation Biology in February 2006. Co-developed the program proposal and current graduate advisor for the program. Program development included construction of curriculum, degree audit, construction of three new courses (detailed below), development of program goals and objectives, and policies and procedures. Developed admissions criteria, recruitment, and advertising programs, and methods for program evaluation and student tracking.
2. Fall 2000. Biology Core Curriculum Revision:  
Member of team tasked with revising and updating the Biology core curriculum. This effort resulted in a) the development of two principles-based freshman-level core courses in Introductory Biology (detailed below); b) a restructured core-course sequence with mandated prerequisites; and c) hiring of a new faculty line to oversee laboratory development.
3. 2000-2001. Principles of Biology Freshman Core Course sequence  
Primary developments: a) instituted a two-semester course sequence to explore principles of biological organization; b) incorporated a hands-on research experience for every freshman level student; b) adopted active problem solving in both lecture and laboratories; c) created opportunities for students to experience science as a process; and d) experience science as “a way of knowing”; e) incorporated writing intensive problem solving exams.

### Courses Prepared

<u>Date:</u>	<u>Course #</u>	<u>Course Title</u>	<u>Details of Preparation</u>
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|--------------|------------|--|--|
| Spring 2009: | Bio. 7120  | <i>Population Biology Seminar: Meta-Analysis.</i>      | <u>New Course:</u> Directed group exploration (in a workshop format) of the application of Meta-Analyses in Ecology, Evolution, and Behavior.  |
| Fall 2008:   | Bio. 7120  | <i>Population Biology Seminar: Student Research.</i>   | <u>New Course:</u> Directed group exploration of the research projects being undertaken by graduates student in the Population and Conservation Biology program  |
| Spring 2008: | Bio. 7120. | <i>Population Biology Seminar: Biology of endemism</i> | Co-instructor with M. Huston.<br><u>New Course:</u> Co-directed group exploration of patterns of endemism.   |
| Fall 2007:   | Bio. 7120  | <i>Population Biology Seminar: Invasion Biology.</i>   | <u>New Course:</u> Directed group exploration of the biology of invasive species. Guided development of student lectures, compiled Endnote libraries, compiled Pdf library, guided construction of outlines for 10 subtopics and guides to the literature. |

- Fall 2006: Bio. 7120 *Population Biology Seminar: The Biology of Rarity.*  
New Course: Directed group exploration of the biology of rare species. Guided development of student lectures, compiled Endnote libraries, compiled > 220 Pdf's, guided construction of outlines for 12 subtopics and guides to the literature.
- Fall 2004-06: Bio. 5427/7427 *Principles of Population Biology I.*
- Spring 2005-07: Bio. 5428/7428 *Principles of Population Biology II.*  
New Courses: Team taught with Dr. C. Nice. Co-developed course syllabi, selected and compiled course materials, developed lectures, and readings, co-directed discussions and class projects. These courses emphasize team teaching and direct student involvement in exploring and structuring knowledge in population ecology, population biology, and conservation biology.
- Fall 2001: Bio. 5319 *Insect Ecology*  
New Course: Developed lectures, organized student presentations, and directed student projects
- Spring 2001: Bio. 1431 *Organismal Biology*  
New Course: Constructed the syllabus, developed lectures, and assembled course resources. Constructed problem sets and out-of-class individual and group interactive assignments. Developed study guides. Constructed written problem-solving exams for large classroom sections. Helped to build laboratory exercises.
- Spring 2000: Bio. 5319 *Natural Selection in Theory and Practice*  
New Course: Developed lectures, organized student presentations, and developed and implemented a field research program involving students to assess the form and magnitude of natural selection on floral characters in the spring annual plant *Phlox romeriana*.
- Fall 1998: Bio. 5110E *Herbivore-Plant Interactions.*  
New Course: Assembled course resources, constructed syllabus, developed lectures, and lead course discussions of theory guiding research in this field.
- Spring 1998: Bio. 4301/5301 *Evolution*  
 Took over teaching these two elective courses and wrote all new lectures for both the undergraduate and graduate courses. Developed problem sets and guides to subject material. Instituted term papers in both courses and graduate student-delivered lectures.
- Spring 1997: Bio. 5319 *History/Development of Competition theory*  
New Course: Explored the paradigm shift in community ecology precipitated by “Denno, R. F., M. McClure, and J. R. Ott. 1995. Interspecific interactions in phytophagous insects: competition revisited and resurrected. *Annual Review of Entomology* 40:297-331”. Cited over 198 times this publication changed how ecologists view the role of inter-specific competition in structuring phytophagous insect communities.

Fall 1996: Bio. 5110E *Plant-Animal Interactions*

New Course: Selected course content and lead discussions of central theories, concepts, and organizing principles in this field.

Fall 1996: Bio. 4416 *General Ecology*

Assumed responsibility for this writing-intensive course. Wrote all new lectures.

Spring 1995: Bio 5319 *Population Biology*

New Course: Wrote lectures, developed study units, directed discussions and directed each graduate student in a field-based semester-length research projects.

Spring 1995, 1996: Bio. 3351. *Nonmajors Genetics*

New Course: Team-taught with two other faculty (Spring 1995) and with 1 other faculty (1996). Developed lectures for 1/3 and 1/2 of the course respectively.

Spring 1994: Bio. 3400 *Evolution & Genetics.*

Took over responsibility for this writing-intensive core course and restructured both lectures and laboratories. Wrote all new lectures and added all new laboratories and computer simulations. Implemented semester-length independent student research projects that focused on understanding the dynamics of natural selection at the white-eye locus in *Drosophila melanogaster*. Students developed and conducted experiments, analyzed data, presented their results orally to the class in an end-of-course research colloquium, and wrote up their research results as original scientific research papers. This course served as a model for actively involving students in the process of science and subsequently this model has been adopted by other courses offered by the Department of Biology.

E. Funded External Teaching Grants and Contracts: None

F. Submitted, but not Funded, External Teaching Grants and Contracts

National Science Foundation. 2005. REU Site Grant: Ecology and Evolutionary Ecology Research. \$140,925. J. R. Ott and C. R. Gabor

National Science Foundation. 1996. REU Site Grant: Undergraduate Research Apprenticeship Program in Ecology. \$128,580. J. R. Ott and P. Barnes.

G. Funded Internal Teaching Grants and Contracts

Academic Computing Committee Funds. Texas State University–San Marcos. 2006. Replacement of Obsolete Equipment in the Biology Department Student Computing Facility: Stage II. (\$25,235) Ed Willis and J. R. Ott

Academic Computing Committee Funds. Texas State University–San Marcos. 2005. Replacement of Obsolete Equipment in the Biology Department Student Computing Facility: Stage 1. (\$26,729.50) Ed Willis and J. R. Ott

Academic Computing Committee Funds, SWT. 1998. Improving Student Access to Computing in the Department of Biology. (\$103,000). J. R. Ott, P. Barnes, and T. Arsuffi.

Merrick Fund, SWT. 1998-99. Research Apprenticeship Program for Undergraduates in the Department of Biology. (\$6,000). J. R. Ott.

H. Submitted, but not funded, Internal Teaching Grants and Contracts

Coca Cola Program Fund, SWT. 1997. Research Apprenticeship Program for Undergraduates in the Department of Biology. (\$10,000). J. R. Ott.

Merrick Endowment Fund, SWT. 1996. Research Apprenticeship Program for Undergraduates in the Department of Biology. (\$10,000) J. R. Ott.

The road to obtaining national stature for organism-level research at Texas State University. 2009. (\$48,000). J. R. Ott and C. C. Nice.

I. Other

III.SCHOLARLY/CREATIVE

\* denotes student author

A. Works in print

- a) Scholarly monographs: NA
- b) Textbooks: NA
- c) Edited Books: NA

d) Chapters in Books:

Ott, J. R., J. Baccus, S. Roberts\*, D. Harmel, E. Fuchs, and W. Armstrong. 1998. The comparative performance of spike- and fork-antlered yearling white-tailed deer: the basis for selection. Pages 22-32 in K.A. Clearley and D. Rollins (eds.). The Role of Genetics in White-tailed Deer Management. Second Edition Texas A&M University Press.

Ott, J. R. 1993. An Ecological Framework for the Study of Planthopper Mating Systems. Pages 234-254 in R. F. Denno and T. J. Perfect (eds.). Planthoppers: Their Ecology and Management. Chapman and Hall, New York, NY.

- e) Creative Books: NA



## 2. Articles

Refereed Journal Articles:

\* denotes student author

### **Published:**

Veech, J. A, J. R. Troy, and J. R. Ott. **2016**. Intrinsic heterogeneity in detection probability and its effect on *N*-mixture models. *Methods in Ecology and Evolution*.  
Pending Final Acceptance

Forbes, A.A., M.C. Hall, \*J. Lund, \* G.R. Hood, R. Izen, S.P. Egan, and J.R. Ott. **2015**. Parasitoids, hyperparasitoids and inquilines associated with the sexual and asexual generations of the gall former, *Belonocnema treatae* (Hymenoptera: Cynipidae). *Annals of the Entomological Society of America*, 1–15 doi: 10.1093/aesa/sav112. Published online Nov 2015

Reynolds, R. J., G. Campos, S. P. Egan and J. R. Ott. **2015**. Modelling heterogeneity among fitness functions using random regression. *Methods in Ecology and Evolution*.  
Doi: 10.1111/20141-210X.12440 Published online August 2015.

Gokhman, V. E., J. R. Ott, and S. P. Egan. **2015**. Chromosomes of *Belonocnema treatae* Mayr, 1881(Hymenoptera, Cynipidae). *Comparative Cytogenetics* 9:221-226.  
doi: 10.3897/CompCytogen.v9i2.6534 Published online May 2015.

Ott, J. R. and S. P. Egan. **2014**. Interspecific patterns of natural selection do not predict intraspecific patterns. *Journal of Evolutionary Biology*. 27:1-6.

\*Warren, C. C., J. A. Veech, F. W. Weckerly, L. O'Donnell, L. and J. R. Ott. **2013**. Detection heterogeneity and abundance estimation in populations of Golden cheeked warblers *Setophaga chrysoparia*. *AUK* 130:677-688

\*Warren, C. C., Ott, J. R., and J. A. Veech **2013** Comparative Occupancy and Habitat Associations of Black-and-White (*Mniotilta varia*) and Golden-Cheeked Warblers (*Setophaga chrysoparia*) in the Juniper-Oak Woodlands of Central Texas. *The American Midland Naturalist*. 169:382-397

Egan, S. P., Hood G. R., DeVela, G., and J. R. Ott. **2013** Parallel patterns of morphological and behavioral variation among host-associated populations of two gall wasp species  
*PLOS ONE* PONE-D-12-25852R3.

Egan, S.P, Hood, and J. R. Ott. **2012**. Testing the role of habitat isolation among ecologically divergent gall wasp populations. *International Journal of Ecology*. 8pp.doi:10.1155/2012/

Egan, S.P, Hood, G. R., Feder, J. and J. R. Ott. **2012**. Divergent host plant use promotes reproductive isolation among cynipid gall wasp populations. *Biology Letters*. 8:605-608

\*Hunt, J. W., F. W. Weckerly, and J. R. Ott. **2012**. Reliability of occupancy and binomial mixture models for estimating abundance of golden-cheeked warblers. *The Auk*. 129:1-5-114

- Egan, S. P., Hood, G. R., and J. R. Ott. **2011**. Natural selection on gall size: Variable contributions of individual host plants to population-wide patterns. *Evolution* 65:3543-3557.
- Hood, G. R., and J. R. Ott. **2011**. Generational shape shifting: changes in egg shape and size between sexual and asexual generations of a cyclically parthenogenic gall former. *Entomologia Experimentalis et Applicata* 141:88-96.
- \*Hood, G. R. and James R. Ott. **2010**. Developmental plasticity and reduced susceptibility to natural enemies following host plant defoliation in a specialized herbivore. *Oecologia* 162:673-683.
- Rose, Francis L., Thomas R. Simpson, James R. Ott, Richard W. Manning. **2010**. Space use by western Cottonmouths (*Agkistrodon piscivorus leucostoma*) inhabiting a variable flow stream. *Southwestern Naturalist* 55:160-166.
- Rose, Francis L., Thomas R. Simpson, James R. Ott, Richard W. Manning, Julien Martin. **2010**. Survival of Western Cottonmouths (*Agkistrodon piscivorus leucostoma*) in a Pulsing Environment. *The Southwestern Naturalist*. 55:11-15.
- \*Lucas, Lauren, K., Zachariah Gompert\*, Jim R. Ott, and Chris C. Nice. 2009. Geographic and Genetic Isolation in Spring-Associated *Eurycea* Salamanders Endemic to the Edward's Plateau Region of Texas. *Conservation Genetics*. 10: 1309-1319.
- \*Egan, S. E. and J. R. Ott. 2007. Host plant quality and local adaptation determine the distribution of a gall-forming herbivore. *Ecology*. 88: 2868-2879.
- \*Whitely, M., J. R. Ott, E. A. Weaver\*, and R. J. C. McLean. 2001. Effects of community composition and growth rate on aquifer biofilm bacteria and their susceptibility to betadine disinfection. *Environmental Microbiology*.3: 43-52.
- \*Braswell, W. E, and J. R. Ott. 2000. The Biology of *Doa ampla* (Lepidoptera: Doidae) on its host plant *Stillingia texana* (Euphorbiaceae). *Proc. Entomol. Soc. Wash.*102: 507-518
- \*Langellato, G. A., R. F. Denno, and J. R. Ott. 2000. A trade-off between flight capability and reproduction in males of a wing-dimorphic insect. *Ecology*. 81: 865-875.
- Ott, J. R., J. A. Nelson\*, and T. Caillouet\*. 1998. The effect of spider-mediated flower alteration on seed production in golden-eye phlox. *The Southwestern Naturalist* 43:430-436.
- \*Lund J. N, J. R. Ott, and R. J. Lyon. 1998. Heterogony in *Belonocnema treatae* Mayr (Hymenoptera: Cynipidae). *Proc. Entomol. Soc. Wash.* 100:755-763
- Ott, J. R., J. Baccus, S. Roberts\*, D. Harmel, E. Fuchs, and W. Armstrong. 1997. Antler quality and body mass of spike- and fork-antlered yearling white-tailed deer at maturity. *Proc. Annu. Conf. Southeast Assoc. Fish and Wildl. Agencies*. 51: 400-413.

- Denno, R. F., M. McClure, and J. R. Ott. 1995. Interspecific interactions in phytophagous insects: competition revisited and resurrected. *Annual Review of Entomology* 40:297-331.
- Ott, J. R. 1993. Population variation in overwintering site quality: Implications for the size and composition of *Acanthoscelides alboscuteatus* (Coleoptera:Bruchidae) populations. *Oecologia*. 96: 493-499.
- Ott, J. R. and M. Lampo\*. 1991. Body size selection in *Acanthoscelides alboscuteatus* (Coleoptera:Bruchidae). I. Entrapment within the fruit of *Ludwigia alternifolia* (Onagraceae). *Oecologia* 87:522-527.
- Ott, J. R. 1991. The biology of *Acanthoscelides alboscuteatus* (Coleoptera:Bruchidae) and its host plant *Ludwigia alternifolia* (Onagraceae). *Proc. Entomol. Soc. Wash.* 93:641-651.
- Ott, J. R., and R. E. Weems. 1986. The Hot Run site: A new Pleistocene vertebrate locality in Virginia. *in* J. N. McDonald and S. O. Bird, eds. *Symposium on the Quaternary of Virginia*. Va. Div. Min. Res. 75:129-130.
- Ott, J. R., L. A. Real, and E. M. Silverfine. 1985. Bumblebee response to nectar variance: Potential effects of pollen mediated gene dispersal. *Oikos*. 45:333-340.
- Real, L. A., J. R. Ott. and E. M. Silverfine. 1982. On the tradeoff between the mean and variance in behavioral models of foraging. *Ecology* 63:1617-1623.
- McCauley, D. E., J. R. Ott, A. Stine, and S. McGrath. 1981. Limited dispersal and its effects on population structure in the milkweed beetle *Tetraopes tetraophthalmus*. *Oecologia* 51:145-150.

a) Non-refereed Articles: NA

### 3. Abstracts:

Published Abstracts appearing in Society Meeting Guides. (as of 11/25/13)

<u>Society sponsoring Meeting</u>	
Ecological Society of America	21
Society for the Study of Evolution	7
Entomological Society of America	19
Southwest Association of Naturalists	27
Southeast Deer Study Group	4
Other Meetings	30

#### 4. Reports:

Weckerly, F. W. and J. R. Ott. 2007. Statistical Trends of Golden-cheeked warblers on Balcones Canyonlands Preserve. City of Austin, Texas 31pp.

J. R. Ott and F. W. Weckerly. 2004. Recommended Revisions to Presence/Absence Surveys of Golden Cheeked Warblers. United States Fish and Wildlife Service. Contract #201813J842. 13pp.

#### 5. Book Reviews

Ott, J. R. and B. Benrey. 1992. Plant-Animal Interactions: Evolutionary Ecology in Tropical and Temperate Regions. Proc. Entomol. Soc. Wash. 94:400-402.

#### 6. Other:

PUBLICATION RECOGNITION

Natural History Magazine, May 1999. Reported on "Ott et al. 1998a.

Journal of Quality Deer Management, March 1998. Abstract of "Ott et al. 1998b".

#### B. Works not in Print

##### Papers Presented at Professional Meetings:

\* = student coauthor

Egan, S. P., G. R. Hood, and J. R. Ott. Divergent host plant use promotes reproductive isolation among cynipid gall wasp populations. Invited Symposium Presentation: Guy Bush and Santa Rosalia: Speciation with gene flow and the extraordinary diversity of insects. Entomological Society of America, Austin, TX **Nov. 2013**

\*Hjelmen, C., J. R. Ott, S. P. Egan and J. S. Johnson. Evidence of cryptic species and a novel genetic sex determination mechanism in the gall wasp, *Belonocnema treatae*. Entomological Society of America, Austin, TX **Nov. 2013**

\*Hjelmen, C., J. R. Ott, S. P. Egan and J. S. Johnson. Evidence of cryptic species and a novel genetic sex determination mechanism in the gall wasp, *Belonocnema treatae*. Joint meeting of the American Society of Naturalists and the Society for the Study of Evolution. Snowbird Utah, **June 2013**

\*Hjelmen, C., J. R. Ott, S. P. Egan and J. S. Johnson. Extensive variation in genome size among populations and a novel sex determining mechanism in the gall wasp, *Belonocnema treatae*. 7<sup>th</sup> Annual Arthropod Genomics Symposium, University of Notre Dame, **June 2013**.

\*Hjelmen, C., J. S. Johnson, and J. R. Ott. Evidence of cryptic species and a novel genetic sex determination mechanism in the gall wasp, *Belonocnema treatae*. TAMU NSF REU Research symposium. **August 2012**

Ott, J., R. Reynolds, S. P. Egan, Scott, G. Campos. Estimating heterogeneity in the form of phenotypic selection among populations using b-splines. 1<sup>st</sup> joint Congress on Evolutionary Biology. Ottawa, Canada. **July 2012**

\*Warren, C. C., J. R. Ott, and F. W. Weckerly. Behavioral components of detection underlying bias in population estimation of the golden-cheeked warbler, *Dendroica chrysoparia*. Ecological Society of America, Austin TX August **2011**.

Ott, J. R., S. P. Egan, and \*G. R. Hood. Selection on insect herbivore traits at the level of individual host plants within natural populations. Ecological Society of America, Austin TX August **2011**.

Egan, S.P., G. R. Hood and J. R. Ott. Divergent host plant adaptation promotes reproductive isolation among cynipids gall wasps populations. Ecological Society of America, Austin TX August **2011**.

\*Hood, G. R. and J. R. Ott. Developmental plasticity and reduced susceptibility to natural enemies following host plant defoliation in a specialized herbivore. Ecological Society of America, Pittsburg, PA. August **2010**.

\*Warren, C., J. R. Ott and F. Weckerly. Density-dependent singing behavior and the reliability of population estimates for passerine birds. Ecological Society of America, Pittsburg, PA. August **2010**.

Ott, J. R., S. P. Egan, and \*G. R. Hood. Natural selection on gall size: variable contributions of individual plants to landscape wide patterns. Joint meeting of the American Society of Naturalists and the Society for the Study of Evolution. Portland Oregon. June **2010**.

\*Warren, C., J. R. Ott and F. Weckerly. Did you hear something? The influence of density-dependent singing behavior on the reliability of population estimates for passerine birds. Southwestern Association of Naturalists, Apr. **2010**.

\*Hunt, J., J. R. Ott, and F. Weckerly. Estimating occupancy and abundance for populations of the golden-cheeked warbler, *Dendroica chrysoparia*, in central Texas. Southwestern Association of Naturalists, Apr. **2010**.

\*Hunt, J., J. R. Ott, and F. Weckerly. Occupancy estimation from point sampling. Balcones Canyonlands Preserve Golden Cheeked Warbler Workshop. Austin, TX. Feb. **2010**.

\*Warren, C., J. R. Ott, and F. Weckerly. GCWA abundance and detection correlation. Balcones Canyonlands Preserve Golden Cheeked Warbler Workshop. Austin, TX. Feb. **2010**.

\*Hunt, J., J. R. Ott, and F. Weckerly. Occupancy and abundance of golden-cheeked warblers on the Balcones Canyonlands Preserve. Golden-cheeked Warbler Symposium. Austin, TX. Jan. **2010**.

\*Warren, C., J. R. Ott, and F. Weckerly. The effect of singing behavior on probability of detection: implications for population size estimation of golden-cheeked warblers. Golden-cheeked Warbler Symposium. Austin, TX. Jan. **2010**.

- \*Warren, C., J. R. Ott; F. Weckerly. Population Density and Probability of Detection: Implications for population estimation for the golden-cheeked warbler *Dendroica chrysoparia*. Texas State International Graduate Student Conference. Nov. 2009.
- \*Campbell, C. M, and J. R. Ott. Discovery and Efficacy of a Hypersensitive-like Plant Defense in Live Oak Against a Host-specific Gall Former. Texas State International Graduate Student Conference Nov. 2009.
- \*Campbell, C. M, and J. R. Ott. Hypersensitive-like defense in Live Oak: Discovery and efficiency against a host-specific gall former. Ecological Society of America, National Meeting, Albuquerque, NM August 2009
- \*Hood, G. R., and J. R. Ott. Determinants and scaling of body size and fecundity in the sexual and asexual generations of the gall former, *Belonocnema treatae* (Hymenoptera: Cynipidae). Ecological Society of America, Albuquerque, NM August 2009.
- \*Hood, G.R., \*C. Campbell, and J. R. Ott. Phenological response of a specialized insect herbivore to defoliation of its host plant by generalist insect herbivores. Southwestern Association of Naturalists, Apr. 2009.
- \*Campbell, C., \*G. R. Hood, and J. R. Ott. Discovery and efficacy of a hypersensitive-like plant response in live oak against a host-specific gall former. Southwestern Association of Naturalists, Apr. 2009.
- \*Campbell, C., \*G. R. Hood, and J. R. Ott. Discovery and efficacy of a hypersensitive-like plant response in live oak against a host-specific gall former. TX Academy of Sci., Mar. 2009.
- \*Hood, G. R., \*C. Campbell, and J. R. Ott. Asymmetries in investment and scaling of reproductive parameters between generations in a cynipid expressing heterogony. TX Academy of Sci., Mar. 2009.
- Ott, J. R. Variable plants and local adaptation in phytophagous insects. Invited Symposium Presentation. Entomological Society of America, Reno NV Nov. 2008
- \*Hood, G. R., and J. R. Ott. Determinants and scaling of body size and fecundity in the sexual and asexual generations of the gall former, *Belonocnema treatae* (Hymenoptera: Cynipidae) Entomological Society of America, Reno NV. Nov. 2008
- Weckerly, F. and J. R. Ott. Trends in territory density of golden-cheeked warblers on BCP land managed by City of Austin. Research at the Balcones Canyonlands National Wildlife Refuge Symposium. Austin Texas. October 2008.
- \*Hunt, Jason, F. Weckerly and J. R. Ott. Monitoring golden-cheeked warblers on the Balcones Canyonlands Preserve: Area to survey and estimation techniques. Research at the Balcones Canyonlands National Wildlife Refuge Symposium. Austin Texas. October 2008.

\*Hood, G. R., \*C. Campbell, and J. R. Ott. Variation in oviposition timing, adult emergence, and susceptibility to natural enemies: Prelude to population divergence in a specialized insect herbivore. Ecological Society of America, Milwaukee, WI. August 2008.

\*Hood, G.R. and J.R. Ott. Variation in oviposition timing, susceptibility to natural enemies, and population divergence in a specialized insect herbivore: Prelude to sympatric speciation? Ecological Integration Symposium—Texas A&M University, April 2008.

Rose, F. L., T. R. Simpson, J. R. Ott, and R. Manning. Site fidelity of an ambush predator (*Agkistrodon piscivorus leucostoma*) inhabiting a catastrophic environment: results of an 11-year study. Combined meetings American Society Ichthyologists and Herpetologist, Herpetological League, and Society for the Study of Amphibians and Reptiles. June 2006

Ott, J.R., \*M. C. Hall, \*L. Jones, \*J. N. Lund, \*R. J. Reynolds, \*J. Russell, \*S. P. Egan, and \*G.T. Cryer. Parasitoids and the evolution of complex life cycles of gall-formers. Southwestern Association of Naturalists Meeting, April 2006.

Ott, J. R., and \*S. P. Egan. Demic adaptation and host plant quality as determinants of the distribution of a gall-forming herbivore. Joint meeting of the American Society of Naturalists and the Society for the Study of Evolution. June 2005.

Weckerly, F. W., \*C. A. Baker, J. S. Hatfield, C. Sexton, C. Farquhar, and J. R. Ott. Estimating detection probabilities of golden-cheeked warblers. USFWS Golden-cheeked Warbler Symposium and Recovery Workshop, Nov. 2004.

\*Egan, S., and J. R. Ott. Host plant quality and local adaptation as determinants of the distribution of a gall-forming herbivore. Workshop: Spatial Ecology of Insect-Plant Interactions. University of Helsinki, Tvarminne Zoological Station. Nov. 2004.

Rose, F. L., T. Simpson, R. Manning and J. R. Ott. Biology of an ambush predator (*Agkistrodon piscivorus leucostoma*) inhabiting a catastrophic environment. Southwestern Association of Naturalists Meeting, April 2004.

\*Egan, S., and J. R. Ott. Host plant quality and demic adaptation as determinants of the distribution of a gall-forming herbivore. Southwestern Association of Naturalists Meeting, April 2004. (Wilkes Award Winner for best student presentation).

\*Greg T. Cryer\*, \*S. P. Egan, and J. R. Ott. Temporal patterns of parasitoid attack on a host specific root-galling Cynipid. Southwestern Association of Naturalists Meeting, April, 2004.

\*Egan, S., G. Cryer\*, and J. R. Ott. Variation in host plant quality and demic adaptation as determinants of the abundance and distribution of a gall-forming herbivore. Southwest Association of Biologist Meeting. Sept. 2003.

\*Egan, S., G. Cryer\*, and J. R. Ott. Host plant quality and demic adaptation as determinants of the distribution of a gall-forming herbivore. Ecological Society of America, August 2003.

\*Egan, S., G. Cryer\*, and J. R. Ott. Variation in host plant quality and demic adaptation as determinants of the abundance and distribution of a gall-forming herbivore. Southwestern Association of Naturalists Meeting, April 2003.

Ott, J. R., D. Frels, W. Armstrong, J. Carroll, R. DeYoung M. Mitchell, D. Honeycutt, L. Skow, J. Baccus, R. Honeycutt, and Robert Gonzalez. Comparative mating success of male White-tailed Deer in relation to age and antler quality. Southwestern Association of Naturalists Meeting, April 2003.

Ott, J. R., D. Frels, W. Armstrong, J. Carroll, R. DeLong, M. Mitchell, D. Honeycutt, L. Skow, J. Baccus, R. Honeycutt, and Robert Gonzalez. Comparative mating success of male White-tailed Deer in Relation to age and antler quality. Southeast Deer Study Group Meeting, Feb. 2003.

Ott, J. R., D. Frels, W. Armstrong, J. Carroll, R. DeLong, M. Mitchell, D. Honeycutt, L. Skow, J. Baccus, R. Honeycutt, and Robert Gonzalez. Comparative mating success of male White-tailed Deer in relation to age and antler quality. Texas Wildlife Society Meeting, Feb. 2003.

Carlo M. Abbruzzese, J. R. Ott, and D. L. Koehler. Population trends of the endangered Golden-cheeked Warbler on the Balcones Canyonlands Preserve. Texas Academy of Science Meeting, March 2002.

\*Hall, M.C., L. Jones\*, J. Lund\*, R. Reynolds\*, J. Russell\*, S. Egan\*, and J. R. Ott. Parasitoid community structure, interactions, and impacts on alternate generations of a host-specific gall former. Ecological Society of America, August 2002.

\*Hall, M.C., L. L. Jones\*, and J. R. Ott. Community structure of the natural enemies of the leaf galling cynipid wasp, *Belonocnema treatae* on Plateau Live Oak. Southwestern Association of Naturalists Meeting, April 2001.

\*Jones, L. L., M. C. Hall\* and J. R. Ott. Host plant and parasitoid roles in mediating growth rates and sizes of galls induced by *Belonocnema treatae* on Plateau Live Oak. Southwestern Association of Naturalists Meeting, April 2001.

\*Hall, M.C., L. L. Jones\*, and J. R. Ott. Parasitoid attack phenology and the community structure of natural enemies of the gall forming cynipid *Belonocnema treatae* on Plateau Live Oak. Texas Academy of Science Meeting, March 2001.

\*Jones, L. L., M. C. Hall\*, and J. R. Ott. The role of parasitoids in determining gall growth rate on *Quercus fusiformis*. Texas Academy of Science Meeting March 2001.

Ott, J. R. Methods for predicting gross Boone and Crockett scores and live body mass at ages 2.5, 3.5, and 4.5 years in white-tailed deer. Texas Organization of Wildl. Management Assoc. Sept. 2000.

\*Galusky, P. and J. R. Ott. Implications of within-host carbon uptake patterns on the distribution and performance of a cynipid gall-former. International Congress of Entomology July 2000.



\*Galusky, P. and J. R. Ott. Implications of within-host carbon uptake patterns on the distribution and performance of a cynipid gall-former. Ecological Society of America, Aug. 2000.

\*Reynolds, R. and J. R. Ott. The role of parasitoids in determining gall size and success of a host-specific cynipid. Ecological Society of America, Aug. 2000.

\*Russell, J. and J. R. Ott. Sex determination and sex ratios in *Belonocnema treatae*: linking sexual and asexual generations. Southwestern Association of Naturalists Meeting, April 2000.

\*Reynolds, R. and J. R. Ott. The role of natural enemies in determining gall size and success of the host-specific cynipid *B. treatae* on *Quercus fusiformis*. Southwestern Association of Naturalists Meeting, April 2000.

\*Galusky, P. and J. R. Ott. Implications of differential resource allocation by host plants on the within tree distribution of a cynipid gall former. Southwestern Association of Naturalists Meeting, April 2000.

\*Reynolds, R. and J. R. Ott. The role of natural enemies in determining gall size and success of the host-specific cynipid *B. treatae* on *Quercus fusiformis*. Entomological Society of America, National Meeting, Dec. 1999.

\*Galusky, P. and J. R. Ott. Implications of differential resource allocation by host plants on the within tree distribution of a cynipid gall former. Entomological Society of America, Dec. 1999.

Rose, F., R. Simpson, R. Manning and J. R. Ott. Structure of the honey creek cottonmouth (*Agkistrodon piscivorous*) population, Comal Co. TX. Southwestern Association of Naturalists Meeting, April 1999.

\*Galusky, P., J. R. Ott, R. Reynolds\*, and T. Boussetot\*. Within host plant distribution of a cynipid gall-former: an extension of the host vigor hypothesis? Southwestern Association of Naturalists Meeting, April 1999.

\*Reynolds, R., J. R. Ott, P. Galusky\*, and T. Boussetot\*. The relationship between gall size and gall former success of a host-specific insect on plateau live oak. Southwestern Association of Naturalists Meeting, April 1999.

Ott, J. R. The comparative performance of spike- and fork-antlered yearling white-tailed deer: The basis for selection. Association Nacional De Ganaderos Diversificados Criadores De Fauna, April 1999.

Ott, J. R., J. Baccus, S. Roberts\*, P. Hendrix\*, R. Kirchof\*, L. Poor\*, D. Harmel, E. Fuchs, and W. Armstrong. Predicting gross Boone and Crockett scores and live body mass at ages 2.5, 3.5, and 4.5 years in white-tailed deer on the basis of the previous years antler characteristics and body mass. Southeast Deer Study Group Meeting, Feb. 1999.

\*Braswell, W. E. and J. R. Ott. Effects of variation in feeding group size on performance and survivorship in the larvae of *Doa ampla* (Lepidoptera: Doidae). Southwestern Association of Biologists Meeting, Oct. 1998.

\*Galusky, P. and J. R. Ott. Herbivory by a gall-forming wasp across an oak hybrid zone. Southwestern Association of Naturalists Meeting, April 1998.

\*Lund, J. and J. R. Ott. Life history of a host-specific gall wasp on live oak in central Texas. Southwestern Association of Naturalists Meeting, April 1998.

\*Braswell, W. E., and J. R. Ott. The effects of variation in feeding group size on performance and survivorship in *Doa ampla* (Lepidoptera: Doidae). Southwestern Association of Naturalists Meeting, April 1998.

Ott, J. R., J. Nelson\*, and T. Caillouet\*. Crab spider mediation of reproductive success in the golden eye phlox. Southwestern Association of Naturalists Meeting, April 1998.

Ott, J. R., J. Baccus, D. Harmel, E. Fuchs, and W. Armstrong. Predicting antler quality and body mass of white-tailed deer at 2.5, 3.5, and 4.5 years of age based on yearling antler characteristics. Texas Wildlife Society Meeting, Feb. 1998.

Ott, J. R., J. Baccus, D. Harmel, E. Fuchs, and W. Armstrong. Reliability of yearling antler characteristics as predictors of antler quality and body mass at ages 2.5, 3.5, and 4.5 years in Texas white-tailed deer. Southeast Deer Study Group Meeting, Feb. 1998.

Ott, J. R., S. Roberts\*, J. Baccus, D. Harmel, E. Fuchs, and W. Armstrong. The comparative performance of spike- and fork-antlered yearling white-tailed deer: the basis for selection. The Role of Genetics in White-tailed Deer Management. Symposium, TAMU, Jan. 1998.

Ott, J. R., S. Roberts\*, J. Baccus, D. Harmel, E. Fuchs, and W. Armstrong. Antler quality and body mass of spike- and fork-antlered yearling white-tailed deer at maturity. Southeastern Association of Fish and Wildlife Agencies Meeting, Oct. 1997.

Ott, J. R., S. Roberts\*, J. Baccus, D. Harmel, E. Fuchs, and W. Armstrong. Comparative antler characteristics of spike- and fork-antlered yearling white-tailed deer in Texas at age 4.5 years. Texas Wildlife Society Meeting, Feb. 1997.

Ott, J. R., S. Roberts\*, J. Baccus, D. Harmel, E. Fuchs, and W. Armstrong. Comparative antler characteristics of spike- and fork-antlered yearling white-tailed deer in Texas at age 4.5 years. Southeast Deer Study Group Meeting, Feb. 1997.

\*Brown, E., and J. R. Ott. Effects of host-plant species, larval density, and acorn size on body size and survivorship in an acorn weevil. Entomological Society of America, Dec. 1996.

\*Lund, J. and J. R. Ott. Spatial variation in cynipid wasp gall densities on live oak in central Texas. Entomological Society of America, Dec. 1996.

\*Braswell, W. E., and J. R. Ott. Causes and consequences of variation in feeding group size in *Doa ampla*. Entomological Society of America, Dec. 1996.

\*Lund, J., W. E. Braswell\*, and J. R. Ott. Spatial variation in cynipid wasp gall densities on live oak in central Texas. Southwestern Association of Naturalists Meeting, April 1996.

\*Lund, J., E. Braswell\*, and J. R. Ott. Spatial variation in cynipid wasp gall densities on live oak in central Texas. Entomological Society of America SW Branch Meeting, Jan. 1996.

\*Langellato, G. A., J. R. Ott, and R. F. Denno. Spatial determinants of male mating success in wing-dimorphic planthoppers. Entomological Society of America, Dec. 1995.

\*Langellato, G. A., R. F. Denno and J. R. Ott. The ecological basis for dispersal polymorphism in males: Evidence for a trade-off between flight capability and mating success. Ecological Society of America Meeting, Aug. 1994.

Ott, J. R., G. Dively, and R. F. Denno. The genetic basis of host range expansion in the Silver-spotted skipper. Ecological Society of America Meeting, Aug. 1994.

Ott, J. R., G. Dively, and R. F. Denno. The genetic basis of host range evolution in the Silver-spotted skipper, (Lepidoptera: Hesperidae). Society for the Study of Evolution Meeting, June 1994.

\*Langellato, G. A., J. R. Ott, and R. F. Denno. Male mating success: A comparison between the wingforms of planthoppers. Entomological Society of America, Dec. 1993.

\*Huberty, A. F. and J. R. Ott. The relationship between variation in male body size and mating success in the locust leafminer. Entomological Society of America, Dec. 1993.

Ott, J. R., G. Dively, and R. F. Denno. Evolutionary genetics of the silver-spotted skipper *E. clarus* (Lepidoptera:Hesperidae) on soybean and black locust. Entomological Society of America, Dec. 1993.

Ott, J. R. Quantitative genetics of body size and development time in *E. clarus*. Central Maryland Research Extension Center, Beltsville MD, Aug. 1993.

Ott, J. R., G. Dively, and R. F. Denno. Evolution of a new soybean pest: The silver-spotted skipper, *Epargyreus clarus* (Lepidoptera:Hesperidae). Entomological Society of America, Dec. 1992.

Ott, J. R. Emerging pest status of the silver-spotted skipper on soybean in Maryland. Central Maryland Research Extension Center, Beltsville, MD, Aug. 1992.

Ott, J. R. Fitness variation, heritability of body size, and the response to selection in *A. alboscuteallatus* (Bruchidae). Entomological Society of America, Dec. 1991.

Ott, J. R. Ecological genetics of *A. alboscuteallatus*: Effects of fruit size and larval density on body size in field populations. Society for the Study of Evolution Meeting, June 1991.

Ott, J. R. Host-imposed selection for reduced body size in *A. alboscuteallatus*. Entomological Society of America, Dec. 1990.

Ott, J. R. The dynamics and constraints of selection on body size in the bruchid beetle, *A. alboscuteallatus*. Southeast Ecological Genetics Group Meeting, Sept. 1990.

Ott, J. R. The dynamics of selection on body size in the bruchid beetle, *A. alboscuteUellatus*. Fourth International Congress of Systematic and Evolutionary Biology, June 1990.

Ott, J. R. Natural selection for reduced body size in *A. alboscuteUellatus* imposed by the constraints of its host plant. Society for the Study of Evolution Meeting, June 1988.

Ott, J. R. The mechanism of selection for reduced body size in *A. alboscuteUellatus*. Southeast Ecological Genetics Group Meeting, Sept. 1988.

Ott, J. R. The Hot Run site: A new Pleistocene vertebrate locality in Virginia. The Quaternary of Virginia—A symposium Volume. Eds. J. N. McDonald and S.O. bird. (Virginia Division of Mineral Resources Pub 75 137pp.

Ott, J. R. Bumblebee response to nectar variance: Potential effects on pollen-mediated gene dispersal. Southeast Ecological Genetics Group Meeting, June 1983.

Real, L. A., J. R. Ott, and E. M. Silverfine. On the trade-off between the mean and the variance in bumblebee foraging. Ecological Society of America Meeting, Aug. 1982.

Ott, J. R., and L. A. Real. Risk-sensitive foraging, flight distance, and gene flow. Ecological Society of America Meeting, Aug. 1982.

Ott, J. R. Dispersal patterns and the potential for gene flow among populations of *TetraopeUetraophthalmus*.. North Carolina State University Genetics Symposium, Oct. 1982.

McCauley, D. E., and J. R. Ott. Dispersal patterns and the potential for gene flow among populations of *Tetraopes tetraophthalmus*. Southeast Ecological Genetics Group Meeting, 1981.

## 2. Invited Lectures and Presentations

Saint Mary's Hall	March 2006
University of South Dakota, Biol. Dept.	April 2001
New Mexico State University, Biol. Dept.	March 2001
Trinity University, Biol. Dept.	April 2000
University of Virginia, Blandy Exp. Station	Aug. 1999
TAMU WTD Genetics Symposium	Feb. 1998

Southwest Texas State University, Biol. Dept.	April 1993
University of Maryland, Botany Dept.	Oct. 1992
Washington Entomol. Society	May 1992
American University, Biol. Dept.	April 1992
University of Delaware, Entomol. Dept.	April 1992
Rutgers University, Entomol. Dept.	April 1992
University of Maryland Baltimore Campus, Biol. Dept.	March 1992
Bucknell University, Biol. Dept.	March 1992
University of Virginia, Environ. Sci. Dept.	Feb. 1992
James Madison University, Bio. Dept.	Oct. 1991
University of Maryland, Entomol. Dept.	Sept. 1991
University of Virginia, Blandy Exp. Station	Aug. 1990
Adams State College, CO, Biol. Dept.	March 1990
University of Central Arkansas, Biol. Dept.	March 1990
North Carolina State University, Entomol. Dept.	Sept. 1988
Patuxent Wildlife Research Center	Sept. 1984
University of Virginia, Mt. Lake Biol. Stat.	May 1983

### 3. Consultancies:

- 2007. Consultant: City of Austin: Balcones Canyon Land Preserve.
- 2004. Consultant: United States Fish and Wildlife Service.
- 2003. Consultant: City of Austin: Balcones Canyon Land Preserve. Analysis of 5 years of longitudinal population density estimates of Golden Cheeked Warblers.
- 2001-2008. Consultant: City of Austin: Wildlands Division. Responsible for development/oversight of WTD control program for Austin City wild lands.
- 1999-2003. Consultant: Texas Parks & Wildlife. Development, design, and analysis of experiments aimed at determining variation in the mating success of male white-tailed deer.
- 1996-1999. Consultant: Texas Parks & Wildlife 1996-199. Analysis of experiments aimed at determining the environmental and genetic components of antler trait variation in white-tailed deer.

### 4. Workshops:

Workshops attended:

Spatial Ecology of Insect-Plant Interactions. University of Helsinki, Tvarminne Zoological Station. Nov. 2004

NSF. "Teacher Development through Ecology" Rensselaerville Institute, New York. June 1998.

Educational partnership workshop: SWT and Kyle school district. New Braunfels Texas. 1997

### 5. Other:

### C. Grants and Contracts

## 1A. In Review

GRANT. NSF 7655097. Preliminary Proposal: Modularity of selection across the genome during incipient ecological speciation. DEB Evolutionary Genetics. S. P. Egan and J. R. Ott. CO PI's. Submitted Jan 22, 2016

## 1B. Funded External (Research) Grants and Contracts:

CONTRACT: 2009/2010. City of Austin: Balcones Canyon Land Preserve. (\$5,891). Golden-cheeked Warbler Symposium. F. W. Weckerly and J. R. Ott.

CONTRACT: 2009/2010. City of Austin: Balcones Canyon Land Preserve. (\$12,689). Singing Behaviors of Golden-cheeked Warblers as a Function of Territory Density: the Ecological Basis of the Relationship Between Population Density and Warbler Detectability. J. R. Ott and F. W. Weckerly.

CONTRACT: 2009/2010. City of Austin: Balcones Canyon Land Preserve. (\$17,494). Trend analysis and sampling protocol development for karst invertebrate species within the Balcones Canyonlands Preserve J. R. Ott and F. W. Weckerly.

CONTRACT: 2008/2009. City of Austin: Balcones Canyon Land Preserve. (\$12,569). Understanding sources of variation in detectability among sites and across the breeding season in Golden cheeked warblers J. R. Ott and F. W. Weckerly.

CONTRACT: 2007/2008. City of Austin: Balcones Canyon Land Preserve. (\$30,435). Spot Mapping, Occupancy Methods, And Monitoring Golden-Cheeked Warbler Populations. F. W. Weckerly and J. R. Ott.

CONTRACT: 2004. United States Fish and Wildlife Service. (\$3,221.00). Revisions to Presence/Absence Surveys of Golden Cheeked Warblers. J. R. Ott and F. W. Weckerly.

CONTRACT: 2003. City of Austin: Balcones Canyon Land Preserve. (\$2,000). Analysis of 5 years of longitudinal population density estimates of Golden-Cheeked Warblers. J. R. Ott.

GRANT: 1999-2001. Texas Parks & Wildlife. (\$100,000). Comparative Mating Success of Male White-tailed Deer in Relation to Age and Perceived Quality. D. Frels and J. R. Ott. (Grant Admin. by TPWD)

CONTRACT: 1998. Texas Parks & Wildlife. (\$3,000). Environmental and Genetic Components of Antler Trait Variation in White-tailed Deer.. J. R. Ott.

GRANT: 1994-1995. Maryland Soybean Board. (\$8,000). The Ecological Genetics of Variation in Oviposition Preference in the Silver-Spotted Skipper, *E. clarus* (Lepidoptera: Hesperiiidae). J. R. Ott and G. P. Dively.

GRANT: 1994. Maryland Agricultural Experiment Station. (\$26,000). The Shift of Native Herbivorous Insects onto Agricultural Crops: A Quantitative Genetic Analysis of the Pest Potential of the Silver-Spotted Skipper, *E. clarus* on Soybean. (Renewal) J. R. Ott (PI), R. F. Denno, and G. P. Dively, Collaborators.

GRANT: 1993-1994. Maryland Soybean Board. (\$4,000). The Genetic Basis of Host Range Expansion in the Silver-Spotted Skipper, *E. clarus* (Lepidoptera: Hesperiiidae) from Black Locust onto Soybean on the Eastern Shore of Maryland. J. R. Ott and G. P. Dively.

GRANT: 1993-1994. NSF. (\$5,000). Research Experiences for Undergraduates: Supplement: NSF Grant DEB-9209693. J. R. Ott and R. F. Denno.

GRANT: 1992-1995. NSF Grant DEB-9209693. (\$90,000). Population Biology and Physiological Ecology Program. Understanding Dispersal Polymorphisms in Insects: The Neglected Role of Males. R.F. Denno and J. R. Ott (Co-PI).

GRANT: 1992-1993. International Rice Research Institute. (\$4,000). The relationship between male wingform and mating success in the brown planthopper, *Nilaparvata lugens*. J. R. Ott and R. F. Denno.

GRANT: 1992-1993. Maryland Agricultural Experiment Station. (\$22,000). The Shift of Native Herbivorous Insects onto Agricultural Crops: A Quantitative Genetic Analysis of the Pest Potential of the Silver-Spotted Skipper, *Epargyreus clarus* on Soybean. J. R. Ott, R. F. Denno, and G. P. Dively.

GRANT: 1987. Washington Biologists Field Club

GRANT: 1986. Sigma-Xi, Grant-in-Aid of Research.

GRANT: 1982. Theodore Roosevelt Memorial Fund.

GRANT: 1981. Sigma Xi. Grant-in-Aid of Research.

## 2. Submitted, but not funded, External (Research) Grants and Contracts:

GRANT Jan 2015. NSF 1533046. Preliminary Proposal: Experimental population genomics: ecological divergence and modularity of selection across the genome. DEB Evolutionary Genetics. S. P. Egan and J. R. Ott. CO PI's

GRANT Jan. 2015. NSF 1533116. Preliminary Proposal: Mechanism and evolutionary conservation of gall induction in the cynipid wasp - live oak association. DEB Symbiosis, Defense, and Self-Recognition Program. S. P. Egan, E. Martinson, and J. R. Ott. CO PI's.

GRANT 2014. NSF 1428364. Preliminary Proposal: Advancing population genomics to a predictive science: Integrating analyses of selection at the genomic and phenotypic level. S. P. Egan and J. R. Ott. CO PI's

GRANT: Proposal. Habitat-golden checked warbler correlates at multiple spatial scales. USFWS \$94,722. F. W. Weckerly, J. R. Ott and J. Hatfield. May 2009.

GRANT: 1997. Texas Parks & Wildlife. Analysis of Antler Growth of Spike and Fork-Antlered White-tailed Deer in Texas. J. R. Ott and J. Baccus. (\$55,000).

GRANT: 1996. USDA National Research Initiative Competitive Grants Program. Genetic Variation in *E. clarus* Oviposition Behavior and the Colonization of Soybean. (\$142,608). J. R. Ott and G. Dively.

GRANT: 1996. Texas Parks & Wildlife. 1996. Analysis of Antler Growth of Spike and Fork-Antlered White-tailed Deer in Texas. J. R. Ott and J. Baccus. (\$29,000).

GRANT: 1995. USDA National Research Initiative Competitive Grants Program. Genetic Variation in *E. clarus* Oviposition Behavior and the Colonization of Soybean. (\$136,492). J. R. Ott and G. Dively.

GRANT: 1991. USDA Competitive Grants Program. Dispersal Capability, Mating Success, and the Population Dynamics of Agricultural Planthopper Pests. R.F. Denno and J.R. Ott. (\$100,000). Recommended, but not approved for funding.

GRANT: 1991. NSF Population Biology and Physiological Ecology Program. Understanding Dispersal Polymorphisms in Insects: The Neglected Role of Males. R.F. Denno and J.R. Ott. (\$120,000). Recommended, but not approved for funding

### 3. Funded Internal (Research) Grants and Contracts:

**GRANT: 2015-2016.** Faculty Research Enhancement Grant, Texas State University. Genome Size Variation and Ecological Speciation among Cynipid Wasp Populations(\$8,000). J. R. Ott

GRANT: 2013-2014. Faculty Research Enhancement Grant, Texas State University. Divergent Host plant adaptation and the evolution of reproductive isolation among cynipid gall wasps populations. (\$8,000). J. R. Ott

GRANT: 2005-2006. Faculty Research Enhancement Grant, Texas State University. Ecological Genetic and Molecular Genetic Evidence of Allochronic Speciation in a Specialized Insect Herbivore (\$15,892). J. R. Ott. and C. Nice.

GRANT: 1998. Faculty Research Enhancement Grant, SWT. Supplement. Detection and Evaluation of Resistance to a Specialized Herbivore of Live Oak in Central Texas. (\$2,000). J. R. Ott.

GRANT: 1997-1998. Freeman Ranch Advisory Panel. Seasonal Abundance and Diversity of Terrestrial Insects as a Function of Microhabitat at Freeman Ranch. (\$8,400). J. R. Ott.

GRANT: 1996-1997. Faculty Research Enhancement Grant, SWT. Extending the “Hybrids as Bridges” Hypothesis to Natural Enemies of Phytophagous Insects. (\$6,000). J. R. Ott.



GRANT: 1995-1996. Faculty Research Enhancement Grant, SWT. Effects of Mistletoe and Plant Nitrogen on Herbivorous Insects. (\$6,000). J. R. Ott.

GRANT: 1994. School of Science Indirect Cost Fellowship. Evolution of Phytophagy in Insects. (\$4,000). J. R. Ott.

GRANT: 1994-1995. Faculty Research Enhancement Grant, SWT. Understanding the Origin of Insect Pests of Agricultural Crops: The Genetic and Environmental Determinants of Oviposition Behavior in the Silver-spotted skipper, *E. clarus* (Lepidoptera: Hesperiiidae). (\$6,000). J. R. Ott.

GRANT: 1992-1993. Graduate Research Board University of Maryland. The Evolution of Host range in *E. clarus*. (\$3,000). J. R. Ott and R. F. Denno.

4. Submitted, but not funded. Internal (Research) Grants and Contracts:

GRANT 2011. Faculty Research Enhancement Grant, Texas State University–San Marcos. (\$8,000) Divergent host plant adaptation and the evolution of reproductive isolation among cynipid gall wasp populations.

2009-2010. One-Time Research Support from the Associate Vice President for Research. Proposal title “The Road to Obtaining National Stature for Organism-Level Research at Texas State University”. \$48,000. J. R. Ott and C. Nice

GRANT 2009-2010. Faculty Research Enhancement Grant, Texas State University–San Marcos. (\$8,000) An assessment natural selection in 24 replicate populations of the gall former *B.treatae*

GRANT 2008-2009. Faculty Research Enhancement Grant, Texas State University–San Marcos. Ecological Genetic and Molecular Genetic Evidence of Allochronic Speciation in a Specialized Insect Herbivore (\$16,000). C. Nice and J. R. Ott.

GRANT: 2001-2002. Faculty Research Enhancement Grant, Texas State University–San Marcos: Asynchronous emergence periods of *Belonocnema treatae*: evidence of incipient host-race formation or cryptic species? (\$8,000). J. R. Ott

D. Fellowships, Awards, Honors:

Fellowships

Postdoctoral Research Fellowship	Dept. Entomol., UMCP	1991-94
Postdoctoral Research Fellowship	University of Virginia	1990
Graduate Fellowship	Dept. of Zoology, N.C.S.U.	1980-81
Predocotrual Res. Fellowship	University of Virginia	1979

## Awards & Honors

School of Science Award	Texas State	1999
Recognition for work to establish a student computing facility in the Biology Dept.		
Outstanding Alumnus of the Year	Lord Fairfax CC	1999
Commencement Speaker	Lord Fairfax CC	1999
Alpha Chi Favorite Professor Award	SWT	1999, 2015
School of Science Award	Texas State	1998
Recognition for Greenhouse Design leadership		
Tri-Beta Teacher of the Year Award	SWT	1995
Young Alumni Award	University of Maryland	1986
Research Support Award	University of Maryland	1984-86
Research Support Award	N.C.S.U	1982
Horton Naturalist Award	UVA Mt. Lake Biol. Stat.	1979
Mountain Lake Scholarship	George Mason University	1979
Dean's List	George Mason University	1976-80
President's List	Lord Fairfax CC	1975-76

## IV. SERVICE

### A. University:

- 2006. CAREER GRANT Workshop Presenter of module on the grant rev. process.
- 2003. Grant Panel Review. College of Science Faculty Research Enhancement Grants. Reviewed/ranked 21 faculty research proposals
- 2001. Report on the impact of Proposed Graduate Tuition Increase. (April 2001). Submitted to: President, J. H. Supple; VPAA, R. Gratz; Dean of the Graduate School, J. M. Willoughby; and Dean of SOS, S. Israel.
- 1997-1999). Freeman Ranch Advisory Panel (1997-99) Responsibilities included: oversight and administration of Freeman Ranch including budget, operations, development of short and long-term goals for management, and coordination of research, teaching, ranching, and hunting at the ranch; development of a research program at the ranch; and sponsorship of Freeman Ranch Management Workshop, Fall 1998

### B. Departmental:

B1. Major Service Contributions to Dept. of Biology from individual or group actions outside of standard committees

2005-2006. Co-point person for the Dept. of Biology's efforts to create an International Conservation and Biodiversity Center on campus. Coauthor of the Center Proposal (36 pp). This initiative sought to create a Center to strengthen, unite, and extend graduate programs across the campus; enhance funding opportunities for research and student stipends in both the Dept. and across the campus; join together faculty from diverse departments under a common theme of biodiversity studies; and raise the university's profile.

2006. Individual effort: Successfully worked to have the Biology Greenhouse added to the Short-term building list of the Campus Master Plan.

2005. Co-Developer of the "Graduate Research and Awards Directory" (resident on Dept. webpage). This directory was developed to stimulate graduate scholarship and grantsmanship see <http://www.bio.txstate.edu/gradindex/>

2003-2006. Co-developer of, and currently graduate advisor for, the MS degree major #402.43 Population and Conservation Biology.  
See <http://pop.bio.txstate.edu/index.html>

2004 Developed, and subsequently distributed to Dept., College, and University administrators, a set of Matrix evaluation forms to standardize evaluation and justify ranking of job candidates.

1998. Conceived of the concept of a student computer facility in the Dept. of Biology. Authored the proposal to the Student Computing Fees Fund in 1998. (Proposal funded for \$103,000.) Planned and oversaw structural modification of room 213 in SSB and the development of infrastructure. Conceived of plan for internally funding student workers to staff the student computing facilities in the Dept. of Biology. (Bonus Award to JRO, from SOS Fall 1999, for work on this committee.)

B2. Service on Standing Departmental Committees:

Personnel Committee (2004-2006)	Chair
Graduate Committee (2002 to 2009)	member
Curriculum Committee (1995-through 2003).	Chair 2003-2004.
Major accomplishment: The committee conceived, developed, and planned the Biol. 2000 curriculum and core course overhaul. (Implemented in spring 2000).	
Student Computer Room Committee (1995-2002)	Chair.
Greenhouse Committee (1995-present)	member

1997. Team leader for design of a "\$1.2 million Replacement Geenhouse" required by initial site selection of the Phys./Tech. Bldg. (Bonus Award to JRO (SOS meeting Fall 1998) for work on this committee.)

Team member to design the new GH for 2007-2009.

B3. Service on Faculty Search Committees

Plant Evolutionary Ecologist	(2006)	member
Department Chair	(2005)	member
Quantitative Biologist	(2004)	Chair
Biology 2000 Freshman Bio.	(1999-2000)	member
Molecular Genetics	(1999-2000)	member
Molecular Systematics	(1996-97)	member

B4. Service on Special Departmental Committees

Dept. Chair Advisory Committee	(2005-2006)	member
Planning Committee	(2002-2003)	member
MS in Population and Cons. Biology	(2003-2006)	member
Target of Opportunity Committee	(2003-2008)	member
Undergraduate Research Committee	(2002-2004)	member/Chair (2003)
Mitte chair committee in Biology	(2004)	member
Committee to revise teaching Evaluations	(2002)	member
Secretary Hiring Committee	(2002)	member
Wildlife Program Review	(2001)	member
Genetics Courses Review Committee	(1995).	member
Global Info. Systems Committee	(1995).	member
Schultz Scholarship Committee	(1995-96)	member
Oversight Marine Biologist position.	(1996).	member
Budget Committee	(1995).	member
Colloquium Committee	(1997-2003)	member
CEC Teaching Evaluation Committee	(2000, 2001)	member/Chair (2002)

B5. Other Departmental Service

- 2001 Planned and produced the blueprints for the greenhouse outdoor area renovation.
- 2003 Mentor to assistant professors: Dr. Gabor, and Dr. Willingham
- 1998 Conceived and directed the "Research Apprenticeship Program for Undergraduates," Dept. of Bio. Funded by a Merrick Funds Award.
- 1998 Developed a statistical methodology to analyze teaching evaluations in the Dept. of Biol.
- 1998 Secured at no cost to the university the Proceedings of the Entomological Society of Washington. (complete holdings of 484 issues)
- 1994-2003 Hosted six nationally recognized research scientists for the Department's Seminar series
- 1996 Authored Educational Initiative Proposal (11K) to Biol. Dept. Budget Comm. for LCD multimedia equipment to enhance teaching in the Department.
- 1996 Compiled and distributed a list of agencies supporting graduate student research and obtained and made available application materials for these agencies; information on deadlines, and copies of funded proposals.
- 1996 Judged 1<sup>st</sup> Annual Biology Student Colloquium.
- 1995 Developed a "Course Evaluation Instrument" to provide students with a fuller

opportunity to present their views on courses offered in the department and provide instructors with more substantive feedback on course content and delivery. (Offered to faculty members as a supplement to the Department's evaluation instrument).

(1994-present) Statistical Consultant to graduate students and faculty. Provide oversight and insight into data analysis and the review and design of experiments.

(1994 -present) Increased library holdings in the areas of Evolution, Ecology, Behavior, Population/Quantitative and Evolutionary Genetics, and Population Biology by submitting >125 book orders to the Library Committee (Dept. of Biol.)

## Community

2008, 2009 Career day speaker Canyon Lake High School

2005 Keynote speaker Saint Mary's Hall. Issues Day 05 Public Debate: Intelligent design. attendance = 400.

2003 Rebecca Creek Elementary School, Career Day Speaker to 5th graders: "Life as a Biologist"

2003 Mentor in the SWT-SMTEI summer teacher research program

2002 Mountain Valley Elementary School. Career Exploration Day. Speaker to 4th graders: "On being a Scientist"

2001 Minority student mentor, NSF Research Experiences for Undergraduates Program. University of Virginia: Blandy Experimental Farm,

1999. Undergraduate mentor, NSF Research Experiences for Undergraduates Program. University of Virginia: Blandy Experimental Farm,

1998 Mentor in the SWT-SMTEI summer teacher research program

1997 Workshop participant: Building an educational partnership between SWT and Kyle school district.

1995 NSF program mentor: "Teacher Development through Ecology." Mentored four San Antonio high school biology teachers for one year; attended a week-long workshop at the Rensselaerville Institute in New York with my team and directed independent and group ecology field research projects; guided my team in a year-long field research project at the JHS campus; gave guest lectures at JHS, and met regularly with the team in a series of weekend workshops

B. Professional:

NSF Panel Review 2006: "Ecological and Evolutionary Processes"

Grant Reviewer for:

National Science Foundation,  
United State Department of Agriculture  
United State Fish & Wildlife Service  
DFG (Germany)  
SouthWestern Naturalist Society

Manuscript Reviewer for the journals:

Evolution,  
Molecular Ecology,  
Evolutionary Biology  
Ecology  
Oecologia,  
Ecological Entomology,  
Journal of Insect Science,  
Annals of Entomological Society of America,  
Entomologia Experimentalis et Applicata,  
Proceeding of the Washington Entomological Society,  
Mammalogy,  
Northeastern Naturalist,  
Proceedings of the American Fisheries Society,  
Southeastern Association of Fish and Wildlife Agencies,  
Agricultural and Forest Entomology, Insectes Sociaux  
(International J. for the Study of Social Arthropods),  
Bulletin of Entomological Research  
Arthropod-Plant Interactions  
American Midland Naturalist  
Biogeography  
American Journal of Botany  
Biochimica et Biophysica Acta  
Wilson Bulletin  
Acta Oecologica  
The Great Lakes Entomologist

2002-2007 Served on SWAN Sutton Award Committee to select the Environmental Impact Paper of the Year

- 2001 Judged Wilkes Award Best Student Presentation at the 2001 SWAN meeting.
- 2000. Judged Best Student Poster Presentation at the 2000 SWAN meeting
- 1999 Chaired SWAN Meeting Session.
- 1998 Chaired SWAN Meeting Session.