Texas State University Vita

I. Academic/Professional Background

A. Name: Christopher C Nice Title: Associate Professor of Biology

B. Educational Background

Degree	Year	University	Major	Thesis/Dissertation
Ph.D.	1998	University of California, Davis	Ecology	Morphological and molecular evolution and biogeography of butterflies: three case studies from western North America.
B.Sc.	1989	University of Minnesota, Twin Cities	Biology	Genetic variation in the California Condor

C. University Experience

Position	University	Dates
Associate Professor	Texas State University, San Marcos, TX	2007-present
Assistant Professor	Texas State University, San Marcos, TX	2001-2007
Postdoctoral Fellow/Lecturer	University of Wisconsin, Madison	1998-2000
Teaching Assistant	University of California, Davis	1990-1997

D. Relevant Professional Experience

Position	Entity	Dates
Field Research Assistant	University of Minnesota, Twin Cities	1988-1990
Lab Technician	University of Minnesota, Twin Cities	1985-1987

II. TEACHING

TEACHING HONORS AND AWARDS

2007 College of Science 2007 Dean Nominee for the Presidential Award for Excellence in Scholarly and Creative Activities
2007 College of Science 2007 Dean Nominee for the Presidential Award for Excellence in Teaching
2005 Voted "Best Professor in Biology" by students and alumni, Texas State University
2004 Runner up, Presidential Award for Excellence in Teaching, Texas State University
1992 Teaching Award for Outstanding Graduate Student, University of California, Davis

COURSE TAUGHT

2001 - present Texas State University – San Marcos
Undergraduate courses:
Genetics
Population Genetics
General Entomology
Graduate courses:
Biogeography
Population Genetics
General Entomology

Principles of Population Biology I
Principles of Population Biology II

2000-2001 University of Wisconsin, Madison
Undergraduate course:
Economic Entomology
1990-1998 University of California, Davis
Undergraduate courses:
Introductory Evolution and Zoology Laboratory (Teaching Assistant, Lab Coordinator, New Lab Designer)
Ecology (Teaching Assistant)
Evolution (Teaching Assistant)
Ornithology (Teaching Assistant)
Ornithology Lab (Instructor)
Advanced Evolution (Lecturer – 3 lecturers)
Evolution and Behavior (non-majors) (Instructor)

GRADUATE THESES/DISSERTATIONS

GRADUATE STUDENTS SUPERVISED:

1. Dijar J. Lutz-Carillo – Project Title: Evaluation of Microsatellite Loci in Largemouth Bass, *Micropterus salmoides*: Population Structure and Resolution. (Co-advised with Dr. T. Bonner). M.S. Spring 2004.
2. Maurine Spencer – Project Title: Systematics and Phylogeography of the *Plebujus* Species Complex in North America (Lepidoptera: Lycaeinidae). M.S. Spring 2005.
3. Zachariah Gompert – Project Title: Speciation and Phylogeography of the *Lycaeides* species Complex. M.S. Fall 2006.
4. Lauren Lucas – Project Title: Population Genetics of the Threatened San Marcos Salamander and Related Species. M.S. Fall 2006.
5. Clay Williams – Project Title: An assessment of assortative mating and sexual size dimorphism in two tiger beetle species. M.S. Spring 2008.
6. Tina Gonzales – Project Title: The history and geography of diversification in the riffle beetle genus *Heterelmis*, including the federally endangered Comal springs riffle beetle (*H. comalensis*). M.S. Fall 2008.
7. Laura Alberici Da Barbiano - Project Title: The origins and maintenance of unisexual sperm parasites. (Co-advised with Dr. C. Gabor) Ph.D. expected 2010.
8. Michelle Downey - Project Title: The role of host plant fidelity in local adaptation of juniper hairstreak butterflies (*Mitoura*) in Texas. M.S. expected Spring 2009.
9. Joshua Ethridge – Project Title: Conservation genetics of karst amphipods of the genus *Stygobromus*, including the federally endangered Peck's cave amphipod (*S. peckii*). M.S. expected Fall 2010.

GRADUATE STUDENT ACCOMPLISHMENTS:

1. Michelle Downey received a Texas Academy of Science Student Research Award. 2009.
2. Michelle Downey won the McCarley Award from the Southwestern Association of Naturalists. 2008.
3. Michelle Downey received a Theodore Roosevelt Award from the American Museum of Natural History, 2008.
4. Zach Gompert won the Outstanding Graduate Student Award in the College of Science, Texas State University, 2006.
5. Tina Gonzales was awarded the Durrenburger Scholarship for Women in Science for 2006.
6. Lauren Lucas won the award for Best Graduate Student Presentation at the 11th annual Biology Dept. Student Colloquium, 2006.

7. Tina Gonzales was awarded the Chuck Nash Aquatic Studies Scholarship. 2006.
8. Lauren Lucas won the Howard D. Schulze Biology Scholarship for academic achievement and scholarship. 2006.
9. Zach Gompert won the Eben-Ellege Award for outstanding graduate students in thesis or dissertation programs who have demonstrated significant potential in research activities. 2006.
10. Lauren Lucas was runner-up in the Wilk's Award, presented to the student giving the best oral presentation at the annual meeting of the Southwestern Naturalists (SWAN), Colima Mexico, 2006.
11. Lauren Lucas was awarded the San Antonio Conservation Society Scholarship.
12. Zach Gompert was awarded an NSF Graduate Research Fellowship in 2005.

GRADUATE STUDENT COMMITTEES

1. Dolores Weisbaum M.S. – Project Title: Description and Distribution of Antennular Setate of Scyllarid Lobsters (*Scyllarides aequinoctialis, S. latus* and *S. nodifer*) with Comments on their Possible Function. M.S. 2002.
2. Diana McHenry M.S. – Molecular Systematics of the Texas Genera of Nyctaginaceae. M.S. 2002.
3. Sue Morris M.S. – Project Title: Systematics of Locally Endemic Short-tailed Shrews, *Blarina* (Insectivora: Soricidae), in Bastrop and Aransas Counties, Texas. M.S. 2003.
4. Scott Eagan M.S. - Project Title: Variation in Host Plant Quality and Demic Adaptation as Determinants of the Abundance and Distribution of a Gall-Forming Herbivore. M.S. 2003.
5. Jenny Gumm M.S. – Project Title: Species and Mate Quality Recognition in *Poecilia latipinna* (Poeciliidae). M.S. 2004.
6. Nicole Burpo – Project Title: Consequences of Variation in Dietary Protein on Captive-Raised Black Knob Map Turtles (*Graptemys nigrinoda*, Emydidae). M.S. 2004.
7. Greg Cryer M.S. – Thesis Title: Investigating Temporal and Spatial patterns of Parasitoid Attack on a Root-Galling Cynipid, *Belocnema treatae*. M.S. 2005.
8. Jonas Rosnthal M.S. – Thesis Title: The Impacts on Phylogeography of an Ancient lake in the Chihuahuan Desert. M.S. 2005.
9. Anna Strong M.S. – Thesis Title: Breeding System and Pollination Biology of the Endangered Star Cactus, *Astrophytum asterias*, in Texas. M.S. 2005.
10. Lene Griego M.S. – Thesis Title: Macroinvertebrate Communities in the San Antonio River: Responses to Allocthonous Water Inputs. M.S. 2005.
11. Angie Feltoon M.S. – Thesis Title: Diversity and Conservation Genetics of The Mexican Beaded Lizard (Heloderma horridum). M.S. 2005.
12. Lindley Bailey M.S. – Thesis Title: Distribution and Genetic structure of Pseudemys gorzugi in texas rivers. M.S. 2005.
13. Mubina Merchant M.S. – Thesis Title: Identification and Characterization of Bacterial Isolates from Spring Lake, Texas. M.S. 2005.
14. Andy Blair M.S. Project Title: Pollinator Effectiveness, Pollinator Importance, and Pollen Dispersal in Star Cactus (*Astrophytum asterias*). M.S. Fall 2007.
15. Julie Parlos M.S. Project Title: Population genetic structure of a cave dwelling bat, *Myotis vellifer*. Spring 2008.
16. Jake Jackson Ph.D. Project Title: Phylogeography and population structure of the Rio Grande: genetic analyses of two native taxa. Presented Spring 2008.
17. Sunni Taylor M.S. Project Title: Genetic architecture of reproductive isolation in Louisiana irises: postzygotic isolation. Spring 2008.
18. Akiko Fujii M.S. – Thesis Title: The Texas tortoise (*Gopherus bolandeiri*), the only tortoise without a plan: defining conservation units in southern Texas. Fall 2008.

19. Alexandra Smith M.S. – Thesis Title: Mercury contamination of the Rio Grande fish community: spatial variation and influence of environmental gradients. M.S. Spring 2009.

CURRENT GRADUATE STUDENT COMMITTEES:

1. Jake Jackson – Project Title: Population Genetics of Turtles. Ph.D. expected Spring 2009.
4. Kristen Epp – Ph.D. expected Spring 2010.
5. Jaimie Maher – M.S. Project Title: Population dynamics of aquatic invertebrates in west Texas with notes on diversity and functional feeding groups. expected Fall 2009.
6. Daniel Duran – Ph.D. Vanderbilt University. Project Title: Speciation and Phylogeography of Tiger Beetles. expected Spring 2009.
7. Glenn Hood – M.S. expected Fall 2009.
8. Austin Hill – M.S. expected Spring 2009.
9. Vinny Farallo – M.S. expected Spring 2009.
10. Preston Bean – Ph.D. expected Spring 2010.
11. Cristina Campbell – M.S. expected Spring 2010.
12. Mary Dobson – M.S. expected Spring 2011.
13. Sunni Taylor – Ph.D. expected Fall 2012.
14. Cristina Campbell - M.S. expected Spring 2010.

UNDERGRADUATE PROJECTS SUPERVISED:

1. Zachariah Gompert (2002-2004) – Zach completed a University Honors project investigating the population genetics of an adaptive radiation in butterflies.
2. Tiffany Morris (2003) – Tiffany completed a project consisting of isolating and amplifying DNA from museum specimens as part of a larger project.
3. Elizabeth Lowe (2005-2006) – Elizabeth investigated the phylogeography of butterflies using mitochondrial sequence data.
4. Jack Flanders (2005-2006) – Jack created a teaching collection of spiders of Texas and developed a new lab on spider taxonomy for the entomology class.
5. Holly Bonine (2005-present) – Holly has been conducting independent research on the relationship between host plant use and parasitism in Hackberry Butterflies (Genus *Asterocampa*).
6. Eric VanGasbeek (2005-2006) – Eric has been assisting in a project designed to test the hypothesis that butterfly morphology responds plastically to diet. He is also involved with a project exploring the development of host-races in the hairstreak genus *Mitoura*.
7. Allison Stephenson (2006-2007) – Ali has been collecting sequence data from the single copy nuclear gene "EF1-alpha" to investigate the genetic structure of a hybrid zone in *Lycaeides* butterflies.
8. Alex Patino (2006) – As an HLSAMP Honors Scholar, Alex investigated mitochondrial DNA sequence variation in butterfly suture zones.
9. Tera Eulenfeld (2008) – Investigation of *Wolbachia* infection in the endangered Karner Blue Butterfly.
10. Amanda Bottoms (2008 – present) – Paternity analysis in sailfin mollies: the effects of sexual parasites.

COURSES PREPARED AND CURRICULUM DEVELOPMENT

2004-2006 Developed and taught Principles of Population Biology (BIO 5427) and Population Genetics (BIO 7433)

2003-2005 Designed and implemented new Master's Degree program in Population and Conservation Biology with Dr. J. Ott
2003-2005 Developed and taught Biogeography (BIO 7353) and Population Genetics (undergraduate version) (BIO 4306)
2002 Developed and taught General Entomology (BIO 4465/5465)
2001 Developed and taught Genetics (BIO 2450)

FUNDED EXTERNAL TEACHING GRANTS

2005 Forstner, M.R.J., C. Nice, and D. Hahn. Mar 05-Nov 06. Integrating genomics CE laboratory hardware and fluidics automation within undergraduate and graduate coursework in the Department of Biology, Texas State University-San Marcos. Beckman-Coulter, Inc. ($244,795)

FUNDED INTERNAL TEACHING GRANTS

2002 Nice, C., Freeman Ranch Grant. Butterfly Camp for Primary and Secondary Students ($800.00)

SUBMITTED BUT NOT FUNDED INTERNAL TEACHING GRANTS

2002 Student Computing Resources Grant. Gabor, C., C. Nice, F. Rose. Power to the Computer: ground-up Use of Computers for Biology Majors.

III. SCHOLARLY/CREATIVE ACTIVITIES

REFEREED JOURNAL ARTICLES

Forister, M. L., C. C. Nice, J. A. Fordyce, Z. Gompert. Host range evolution is not driven by the optimization of larval performance: the case of *Lycaeides melissa* (Lepidoptera: Lycaenidae) and the colonization of alfalfa. In Press: *Oecologia*.

Lucas*, L. K., J. N. Fries, C. R. Gabor and C. C. Nice. Genetic variation and structure in *Eurycea nana*, a federally threatened salamander endemic to the San Marcos springs. In Press: *Journal of Herpetology*.

Lucas*, L. K., Z. Gompert, J. R. Ott and C. C. Nice. Geographic and genetic isolation in spring-associated *Eurycea* salamanders endemic to the Edward's Plateau region of Texas. *Conservation Genetics* doi: 10.1007/s10592-008-9710-2.

Gompert, Z., M.L. Forister, J.A. Fordyce & C.C. Nice. 2008. Widespread mito-nuclear discordance with evidence for introgressive hybridization and selective sweeps in *Lycaeides*. *Molecular Ecology* 17:5231-5244.

Gompert*, Z., J.A. Fordyce, M.L. Forister, & C.C. Nice. 2008. Recent colonization and radiation of North American *Lycaeides* (*Plebejus*) inferred from mtDNA. *Molecular Phylogenetics and Evolution* 48:481-490.

Fordyce, J. A., M. L. Forister, C. C. Nice, J. M. Burns, and A. M. Shapiro. 2008. Patterns of genetic variation between the checkered skippers *Pyrgus communis / P. albescens* (Lepidoptera: Hesperiidae). *Annals Entomological Society America* 101(4): 794-800.

Fordyce, J. A. and C. C. Nice. 2008. Antagonistic, stage-specific selection on defensive chemical sequestration in a toxic butterfly. *Evolution* 62:1610-1617.

Lucas*, L., J. A. Fordyce and C. C. Nice. 2008. Patterns of Genitalic Morphology Around Suture Zones in North American *Lycaeides* (Lepidoptera: Lycaenidae): Implications for Taxonomy and Historical Biogeography. *Annals Entomological Society America* 101:172-180.

Forister, M L., C. C. Nice, J. A. Fordyce, Z. Gompert* and A. M. Shapiro. 2008. Considering

evolutionary processes in the use of single-locus genetic data for conservation, with examples from the Lepidoptera. *Journal of Insect Conservation* 12:37-51.

*Gompert, Z, J. A. Fordyce, M. L. Forister, A. M. Shapiro and C. C. Nice. 2006. Homoploid hybrid speciation in an extreme habitat. *Science* 314:1923-1925.

Crutsinger, G. M., M. D. Collins, J. A. Fordyce, Z. Gompert, C. C. Nice, and N. J. Sanders. 2006. Plant genotypic diversity predicts community structure and governs an ecosystem process. *Science* **313**:966-968 (18 Aug. 2006).

Forister, M L., J. A. Fordyce, C. C. Nice, Z. Gompert* and A. M. Shapiro. 2006. Egg morphology varies among populations and habitats along a suture zone in the *Lycaeides idas-melissa* species complex (Lepidoptera: Lycaenidae). *Annals Entomological Society America* **99**(5): 933-937.

Fordyce, J. A., C. C. Nice and A. M. Shapiro. 2006. A novel trade-off of insect diapause involving a sequestered chemical defense. *Oecologia* **149**:101-106.

*Lutz-Carillo, D. J., C. C. Nice, T. H. Bonner, M. R. J. Forstner and L. Fries. 2006. Admixture analysis of Florida Bass and Largemouth Bass using microsatellite loci. *Transactions of the American Fisheries Society* **135**: 779-791.

*Gompert, Z., C. C. Nice, J. A. Fordyce, M. L. Forister and A. M. Shapiro. 2006. Identifying units for conservation using molecular taxonomy: the cautionary tale of the Karner blue butterfly. *Molecular Ecology* **15**: 1759-1768.

Nice, C. C. and J. A. Fordyce. 2006. How caterpillars avoid overheating: behavioral and phenotypic plasticity of pipevine swallowtail larvae. *Oecologia* 146:541-548.

*Reilly, S. M., R. W. Manning, C. C. Nice and M. R. J. Forstner. 2005. Systematics of isolated populations of short-tailed shrews (Soricidae: *Blarina*) in Texas. *J. Mammalogy* 86(5):887-894.

Nice, C. C., N. Anthony, G. Gelembiuk, D. Raterman and R. ffrench-Constant. 2005. The history and geography of diversification within the butterfly genus *Lycaeides* in North America. *Molecular Ecology* 14:1741-1754.

Gabor, C. R. and C. C. Nice. 2004. Genetic variation among populations of eastern newts, *Notophthalmus viridescens* : a preliminary analysis based on allozymes. *Herpetologica* **60**(3):373-386.

Fordyce, J. A. and C. C. Nice. 2004. Geographic variation in clutch size and a realized benefit of aggregative feeding. *Evolution* **58**(2):447-450.

Fordyce, J. A. and C. C. Nice. 2003. Contemporary patterns in a historical context: phylogeographic history of the pipevine swallowtail, *Battus philenor*. *Evolution* **57**(5):1089-1099.

Fordyce, J. A. and C. C. Nice. 2003. Variation in butterfly egg adhesion: adaptation to local host plant senescence characteristics? *Ecology Letters* **6**:23-27.

Nice, C. C., J. A. Fordyce, A. M. Shapiro, and R. ffrench-Constant. 2002. Lack of evidence for reproductive isolation among ecologically specialized lycaenid butterflies. *Ecological Entomology* **27**:702-712.

Fordyce, J. A., C. C. Nice, M. L. Forister and A. M. Shapiro. 2002. The significance of wing pattern diversity in the Lycaenidae: mate discrimination by two recently diverged species. *Journal of Evolutionary Biology* **15**:871-879.

Anthony, N., G. Gelembiuk, D. Raterman, C. Nice, and R. ffrench-Constant, 2001. Isolation and characterization of microsatellite markers from the endangered Karner blue butterfly *Lycaeides melissa samuelis* (Lepidoptera). *Hereditas* **134**(3): 271-273.

Nice, C. C. and A. M. Shapiro, 2001. Patterns of morphological, biochemical and molecular evolution in the *Oeneis chryxus* complex (Lepidoptera: Satyridae): a test of historical biogeographical hypotheses. *Molecular Phylogenetics and Evolution* **20:** 111-123.

Nice, C. C. and A. M. Shapiro, 2001. Population genetic evidence of restricted gene flow between host races in the butterfly genus *Mitoura* (Lepidoptera Lycaenidae). *Annals Entomological Society America* **94**: 257-267.

Nice, C. C. and A. M. Shapiro, 1999. Molecular and morphological divergence in the butterfly genus *Lycaeides* (Lepidoptera: Lycaenidae) in North America: evidence of recent speciation. *Journal of Evolutionary Biology* **12**:927-935.

Nice, C. C. and R. W. VanBuskirk, 1997. The butterflies of Mt. Ashland: surveys along the Siskiyou Crest. p. 146-157. Proceedings of the First Siskiyou Ecology Conference. The Siskiyou Regional Education Project (Invited paper)

* Student Authors

REFEREED JOURNAL ARTICLES IN REVIEW

None.

PUBLICATION RECOGNITION

Derr, M. 2006. Science Times: Scientists may have found those Nabokov Baby Blues. *New York Times*, December 19, 2006.

Milius, S. 2006. New Butterfly: High-alpine Species from Low-Life Parents. *Science News*, December 2, 2006.

Khamsi, R. 2006. When Two Butterflies Become One New One. *New Scientist*, December 1, 2006.

Gillman, V. 2006. Hybrid Butterflies found on Cold Mountaintops. *National Geographic News*, November 30, 2006.

Hickey, H. 2006. Butterflies poke holes in DNA barcodes. NEWS@NATURE 27 Februrary 2006. Doi: 10.1038/news060227-1. (Article on Gompert et al. 2006.)

Science 2002. Editor's Choice: Butterfly Mate Recognition. *Science* 298: 497. (Article on Fordyce et al. 2002.)

MISCELLANEOUS PUBLICATION

Nice, C. C. 2000. Art and science as ways of knowing. Invited essay accompanied art exhibition "Flora & Fauna", Wendy Cooper Gallery, Madison, WI

BOOK REVIEWS

Nice, C. C. 2006. MOLECULAR ECOLOGY. *By Joanna R. Freeland*. The Quarterly Review of Biology, 81(4):415-416.

PAPERS PRESENTED AT PROFESSIONAL MEETINGS

2008 Forister, M. L., C. C. Nice, J. A. Fordyce, Z. Gompert. Larval performance, adult behavior, and the colonization of alfalfa by *Lycaeides melissa* (Lepidoptera: Lycaenidae). Entomological Society of America Annual Meeting, Reno, NV.

2008 Gompert, Z., M. L. Forister, J. A. Fordyce, C. C. Nice. Widespread mito-nuclear discordancecaused by introgressive hybridization and selective sweeps. Society for the Study of Evolution, Minneapolis, MN (Oral Presentation).

2008 Fordyce, J. A. & C. C. Nice. Antagonistic, stage-specific selection on defensive chemical sequestration in a toxic butterfly. Society for the Study of Evolution, Minneapolis, MN (Oral Presentation).

2007 Gompert, Z., J. A. Fordyce, M. L. Forister, A. M. Shapiro, C. C. Nice. Homoploid Hybrid Speciation in Lycaenid Butterflies. Biology of Butterflies, 5th International Meeting. Rome (Fruscati), Italy. Symposium: Speciation.

2007 Nice, C. C., Z. Gompert, J. A. Fordyce, M. L. Forister, A. M. Shapiro. The Consequences of Hybridization at Suture Zones in Western North America. Entomological Society of America, Pacific Branch, March 25-28, 2007, Portland, OR, Symposium: Phylogeography and Intraspecific Diversity of Western North American Arthropods.

2006 *Gompert, Z., J. A. Fordyce and C. C. Nice. Hybrid Speciation Driven by Adaptation to an Extreme Environment. Genetics of Speciation, American Genetics Association Annual Symposium, Vancouver, Canada.

2006 Nice, C. C., J. A. Fordyce and A. M. Shapiro. Novel Tradeoffs for Diapausing Butterflies Affecting a Sequestered Chemical Defense. Southwestern Association of Naturalists Annual Meeting, Colima, Mexico.

2006 *Lucas, L. K., C. C. Nice, J. N. Fries, C. R. Gabor. The Phylogeography of Endemic Texas Hill Country Salamnders: Implications for Population Persistence and Conservation. Southwestern Association of Naturalists Annual Meeting, Colima, Mexico.

2006 *Gompert, Z., J. A. Fordyce and C. C. Nice. The Contribution of Hybridization to Biodiversity in North American Lycaenid Butterflies. Southwestern Association of Naturalists Annual Meeting, Colima, Mexico.

2006 *Gompert, Z., J. A. Fordyce and C. C. Nice. Hybrid Butterfly Species on Sky Islands. Society for the Study of Evolution, Stonybrook, NY (Oral Presentation).

2005 J. A. Fordyce and C. C. Nice. Trade-offs of Butterfly Pupal Diapause in the Currency of Fat Reserves and Chemical Defenese. Society for the Study of Evolution, Fairbanks, AK (Oral Presentation)

2005 Nice, C. C. and J. A. Fordyce. The Adaptive Significance of Behavioral and Phenotypic Plasticity for Thermoregulation in Pipevine Swallowtail Larvae. Society for the Study of Evolution, Fairbanks, AK (Oral Presentation)

2005 *Lucas, L. K., C. C. Nice, J. N. Fries, C. R. Gabor. Population Genetics of a Threatened Plethodontid Salamander. Society for the Study of Evolution, Fairbanks, AK (Oral Presentation)

2005 *Gompert, Z. and C. C. Nice. DNA Barcoding: Boon or Boondoggle? Society for the Study of Evolution, Fairbanks, AK (Oral Presentation)

2005 *Lucas, L. K., C. C. Nice, J. N. Fries, C. R. Gabor. Conservation genetics of salamander populations in the Texas Hill Country. Texas Herpetological Society, Austin, TX (Oral Presentation)

2004 Fordyce, J. A. and C. C. Nice. Geographic Variation in Clutch Size and a Realized Benefit of Aggregative Feeding. Gordon Conference, Plant-Insect Interactions, Ventura, CA (Poster)

2004 Nice, C. C. and J. A. Fordyce. The Adaptive Significance of a Polyphenism in Pipevine Swallowtail (*Battus philenor*) Larvae. Southwestern Association of Biologists, Portal, AZ (Oral Presentation)

2004 Gompert, Z. and C. C. Nice. Discord Between Molecular and Morphological Characters in *Lycaeides*: Parallel Evolution or Hybridization?. Southwestern Association of Biologists, Portal, AZ (Oral Presentation)

2003 Nice, C. C. and J. A. Fordyce. Ecological, Morphological and Genetic Discontinuities in the *Lycaeides* Species Complex: How Many Blues? Society for the Study of Evolution, Chico, CA (Poster)

2003 Nice, C. C. and J. A. Fordyce. A Geographic Mosaic of Population Differentiation within the Butterfly Genus *Lycaeides*. Southwestern Association of Biologists, Portal, AZ (Poster)

2003 Fordyce, J. A. and C. C. Nice. Life History Modification of the Pipevine Swallowtail in Response to Host Plant Characteristics. Society for the Study of Evolution, Chico, CA (Oral Presentation)

2000 Nice, C. C., N. Anthony, G. Gelembiuk, D. Raterman and R. ffrench-Constant. Society for the Study of Evolution, Madison, WI (Poster)
1999 Nice, C. C. Incongruent Data Sets from *Lycaeides*. Lepidopterist' Society, Symposium: Speciation in the Lepidoptera, Alta Vista, AZ
1997 Nice, C. C. Biogeography and Evolution of the *Oenies chryxus* Species Complex of Butterflies. Ecological Society of America, Providence, RI
1987 Nice, C. C. and K. W. Corbin. Population Genetics of California Condors. Minnesota Academy of Science, Annual Meeting, St. Paul, MN
1987 Nice, C. C. and K. W. Corbin. Population Genetics of California Condors. National Conference for Undergraduate Research, Asheville, NC
* Student Presentation

INVITED TALKS

1998 Department of Entomology, University of Wisconsin, Madison
1999 Symposium on Speciation in Lepidoptera, Lepidopterists Society Annual Meeting
1999 Department of Entomology, University of Wisconsin, Madison
1999 Symposium on Insect Color Pattern Evolution, University of Wisconsin, Madison
1999 Wisconsin Academy of Sciences Meeting, University of Wisconsin, Stevens Point
2000 Department of Biology, Western Michigan University, Kalamazoo, Michigan
2000 Wisconsin Geological Survey, Madison, Wisconsin
2001 San Antonio College, Chemistry Department Seminar, San Antonio, TX
2006 Rice University, Department of Ecology and Evolutionary Biology seminar, Houston, TX
2007 Trinity University, Department of Biology seminar, San Antonio, TX
2007 University of Tennessee, Dept. of Ecology and Evolutionary Biology, Knoxville, TN
2007 Symposium: Phylogeography and Intraspecific Diversity of Western North American Arthropods. Entomological Society of America, Pacific Branch, Portland, OR
2008 Mississippi State University, Department of Biology, MS State, Mississippi.
2008 Texas A&M University, Department of Entomology, College Station, TX
2009 University of North Texas, Department of Environmental Sciences, Denton, TX

GRANTS AND CONTRACTS

Funded External Grants

2007 Nice, C. C. Texas Parks and Wildlife, SWiG Grant. Title: Genetic isolation of Peck's Cave Amphipod, *Stygobromus peckii*. $25,000.
2005 Forstner, M.R.J., C. C. Nice, and D. Hahn. Mar 05-Nov 06. Integrating genomics CE laboratory hardware and fluidics automation within undergraduate and graduate coursework in the Department of Biology, Texas State University-San Marcos. Beckman-Coulter, Inc. $244,795

2005 Nice, C. C. Texas Parks and Wildlife, Section 6 Grant. 2005. Title: Genetic Isolation of Comal Springs Riffle Beetle Populations. $25,165

SUBMITTED BUT NOT FUNDED EXTERNAL GRANTS

2009 Gabor, C., A. Aspbury, C. C. Nice, NSF Proposal # (Pending) Title: The maintenance of unisexuality: Behavior, hormones, and genetic diversity in a unisexual-bisexual mating complex
2009 Fordyce, J. A. and C. C. Nice, NSF Proposal #0919701 (pending) Title: COLLABORATIVE RESEARCH: The advantage of gregarious feeding behavior for non-aposematic, toxic prey: integrating prey chemical defense and predator foraging.
2008 Nice, C. C. National Geographic Society Exploration Grant (Pending) Title: Biogeography, Topography and Genetics: Following Nabokov's Butterflies Back to Russia.

2008 Zhang, Y., C. C. Nice, K. Phillips. Section 6 proposal (Pending) Title: Genetic diversity, gene flow, and conservation of the endangered fountain darter in the Comal River and the San Marcos River.

2008 Nice, C. C., M. Forister, J. A. Fordyce, NSF Proposal# #0814736 (Submitted – Not Funded) Title: COLLABORATIVE RESEARCH: Ecological Genetics of Replicate Hybrid Speciation Events across western North America.

2008 Gabor, C., A. Aspbury, C. C. Nice, NSF Proposal #0817888 (Submitted – Not Funded) Title: Why do males mismate in a unisexual-bisexual mating system: condition-dependent mating decisions and genetic variation in unisexuals?

2007 Nice, C. C., M. Forister, J. A. Fordyce, NSF Proposal# #0716946 (Submitted – Not Funded) Title: COLLABORATIVE RESEARCH: Ecological Genetics of Replicate Hybrid Speciation Events across western North America.

2007 Gabor, C., A. Aspbury, C. C. Nice, NSF Proposal #0744932 (Submitted – Not Funded) Title: Ecological and evolutionary perspectives on the maintenance of unisexual gynogens: behavioral implications.

2006 Nice, C. C. NSF Proposal #00614222 (Submitted-Not Funded) Title: CAREER: The Role of Hybridization in Generating Biodiversity. $1,077,740.00.

2006 Nice, C. C. NSF Proposal #00614222 (Submitted-Not Funded) Title: The Contribution of Hybridization to Biodiversity in Butterflies. $415,880.

2005 Gabor, C. and C. C. Nice. ARP Pre-proposal (Submitted-Not Funded). Title: Evolutionary maintenance of an asexual-sexual species complex: fitness consequences for male sailfin mollies.

2004 Nice, C. C. NSF Proposal #0444699 (Submitted-Not Funded) Title: The evolution of genetic, morphological and ecological discontinuities during speciation. $368,358.

FUNDED INTERNAL GRANTS

2005 Ott, J. and C. C. Nice. Research Enhancement Grant, Texas State University – San Marcos. Project Title: Allochronic Isolation in Gall Wasps. (Co-PI with Dr. J. Ott) $15,902.00

2003 Nice, C. C. Research Enhancement Grant, Texas State University – San Marcos. Project Title: Ecological genetics of an adaptive radiation. $8000.00

2002 Nice, C. C. Research Enhancement Grant, Texas State University – San Marcos. Project Title: Ecological specialization and the origin of species. $7980.00

IV. SERVICE

COMMITTEES

University Committees:

1. University Arboretum Committee (2005-present)
2. Greenhouse Site Selection Committee (ad hoc) (2006)

College of Science Committees:

1. Biology Department Chair Search (2005)

Departmental Committees:

1. New Greenhouse Committee (Chair) (2004 – present)
2. Greenhouse Committee (Chair) (2004 – present)
3. Curriculum Committee (2004 – present)
4. Seminar Committee (Co-Chair) (2001 – present)
5. Annual Review Document (impromptu) Committee (2005)
6. Mitte Chair Proposal Committee (2005-2006)

7. International Center for Biodiversity and Conservation Propsal Committee (2005-2006)
8. Population and Conservation Biology Masters Degree Program Committee (2002-2006)
9. Computer Grant Committee (2002)

Departmental Job Search Committees:

1. Plant Biologist Search Committee (2005-2006)
2. Department of Biology Chair Search (2005)
3. Quantitative Ecologist Search Committee (2003)

Community Service:

1. Instructor: Hays County Master Naturalists, Hays County Master Gardeners. (2003-present).
2. Faculty Sponsor 2007-present: Tri Betta Biological Honor Society, Kappa Zeta Chapter
3. TX State Challenge Camp Class, 2007

Professional Service:

Grant Proposal Reviews:

1. NSF Panel: Population and Evolutionary Processes: Phylogeography (80 proposals) (2008)
2. NSF (2006)
3. NWO (The Netherlands) (2006)
4. NSF (2005)
5. NWO (The Netherlands) (2005)

Associate Editor: *Evolution* (class of 2008)

Reviewer For: *Biological Conservation*, *Molecular Ecology*, *Evolution*, *Journal of the Lepidopterist's Society, Pan-Pacific Entomologist, Biological Journal of the Linnean Society, Diversity and Distribution, Species Diversity, J. of Mammology. Lakes and Reservoirs, Naturwissenschaften, Ecological Entomology, Bulletin of Entomological Research*, *Journal of Insect Biology*, *Aquatic Microbial Ecology*, National Science Foundation, NOW (The Netherlands)

Professional Affiliations:

Society for the Study of Evolution
Ecological Society of America
Entomological Society of America
The Lepidopterist's Society