

CURRICULUM VITAE

D. Brent Burt
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Education-

- **B.S., Biology**, 1987, Angelo State University, *Summa Cum Laude*.
- **M.A., Biology (Systematics and Ecology)**, 1992, University of Kansas.
 - Thesis: *Comparative Scrub Jay Behavioral Ecology*.
- **Ph.D., Biology (Ecology and Evolutionary Biology)**, 1996, University of Arizona.
 - Dissertation: *Phylogenetic and Ecological aspects of Cooperative Breeding in the Bee-eaters (Aves: Meropidae)*.

Professional Experience

- **Teaching Assistant**, Fall 1989 - Spring 1992, University of Kansas.
 - Principles of biology and human anatomy laboratories.
- **Field Biologist** for Mobay Corporation, Tallahassee, Florida. April - September 1991.
 - Supervised three field technicians in a study on the effects of golf course applications of a nematicide on avian communities.
- **Senior biologist** with Miles Incorporated (formerly Mobay Corporation), Columbus, Ohio, April - August 1992.
 - Supervised crew of ten technicians and two field biologists while conducting a study on the possible effects of a granular turf insecticide on avian populations utilizing golf course fairways.
- **Teaching Assistant**, August - December 1993 & 1995, University of Arizona.
 - Invertebrate zoology and animal behavior laboratories.
- **Assistant Professor of Biology** at Stephen F. Austin State University, August 1996 - 2003.
- **Associate Professor of Biology** at Stephen F. Austin State University, August 2003 - 2007.
- **Professor of Biology** at Stephen F. Austin State University, August 2007 - Present.
- **Beertender** at the Fredonia Brewery, March 2017- September 2021
- **Assistant Taproom Manger** at the Fredonia Brewery, September 2021 – Present
- **Assistant Brewer** at the Fredonia Brewery, May 2022 – Present

Courses Taught at SFA

Undergraduate-

- Behavioral Ecology
- Concepts of Biology
- Evolution
- Principles of Zoology
- Ornithology
- Seminar in Biology
- SFA 101
- Field Course in Applied Ecological Methods
- Tropical Ecology and Conservation
- Animal Form and Function

Graduate-

- Animal Behavior
- Advanced Ornithology
- Organic Evolution (Phylogenetics)

- Aquatic and Terrestrial Environments (team taught)
- Avian Ecology and Evolution
- Avian Breeding Systems

Undergraduate advising

- I advise numerous biology major students each semester. I also frequently advise students on strategies for applying to graduate programs.

Teaching evaluations

- Results of standardized questions and representative written comments are available upon request.

Graduate Advisor (2001-2006)

My responsibilities in this role included:

- Kept a record of all initial requests for information and my responses.
- Kept a file on all graduate students who entered our program.
- Provided each incoming student with a copy of departmental policies, procedures and a checklist.
- Reviewed all applications for admission and made recommendations to the departmental chair.
- Coordinated with the graduate committee on teaching assistant applications.
- Developed materials on the departmental graduate program website.
- Developed and delivered presentations to SFA students on steps to take when planning for graduate school.

Graduate Student Committees

Students whose committees I have chaired:

- Albert Herb Jr.- *The behavior and habitat use of the brown-headed nuthatch (Sitta pusilla) in an urban environment*. Graduated: Spring 1999.
- Tamara Thompson- *Breeding biology and the nature and importance of helper contributions in the cooperative breeding brown-headed nuthatch in a Texas urban population*. Graduated: Spring 2000.
- Gail Lutowski- Non-thesis degree. Graduated August 2000.
- Ray Brown- *Breeding biology, habitat, nest site, and nest box selection by prothonotary warblers and other species in eastern Texas*. Graduated: Spring 2001.
- James McCormick- *Brood mortality in Red-cockaded Woodpeckers*. Graduated: Fall 2001.
- Valerie Shafer- *Phylogenetic analysis of cooperative breeding in the Class Aves*. Graduated: Fall 2001.
- Lynnette Brock- *Nesting success of forest and urban nesting Brown-headed Nuthatches*. Graduated: Fall 2002.
- Cory Adams- *Relationships Between Predation, Breeding Site Choice, and Palatability of Larval Anurans in Eastern Texas*. Graduated: Spring 2005
- Robert Allen- *Bachman's Sparrow (Aimophila aestivalis) habitat in the western extent of its range*. Graduated: Fall 2004.
- James Johnson- *The influence of morphology and swimming performance on survival of southern leopard frog larvae (Rana sphenoccephala) faced with predation by dragonfly naiads (Anax junius)*. Graduated: Fall 2004.
- Sarah Johnson- *Home range and habitat use of two mesopredators, the Virginia Opossum and Northern Raccoon (Didelphus virginiana and Procyon lotor) in a fragmented habitat in eastern Texas*. Graduated: Summer 2005.
- Andy Bradstreet- *Nesting ecology of Golden Mice (Ochrotomys nuttalli) and Cotton Mice (Peromyscus gossypinus) in eastern Texas*. Graduated: Summer 2005.
- John Macey- *Foraging site selection of red-cockaded woodpeckers relative to midstory vegetation variation*. Graduated: Fall 2005.
- Jennifer Korenek- *Male home range and mesohabitat selection of the Long-nose Leopard Lizard, Gambelia wislizenii, in Southeastern Oregon*. Graduated: Fall 2006.
- Heather Podlipny- *Mobbing behavior and nest success in colonial and solitary Blue-tailed Bee-eaters*. Graduated: Fall 2006.
- Megan Phillips- *Breeding biology of sympatric Golden-fronted and Yucatan Woodpeckers*. Graduated: Spring 2007.
- Matthew Buckingham- *A Comparison of Avian Communities and Associated Vegetative Communities in Iguazu National Park, Argentina*. Graduated: Spring 2011
- Justin Sullivan- *Predicting Nesting Success in the Brown-headed Nuthatch*. Graduated: Spring 2011

- Lauris Hollis- *Freshwater Mussel (Bivalvia: Unionidae) Assemblages In The Sabine River Tributaries In The Sabine National Forest During An Exceptional Drought In East Texas*. Graduated: Spring 2013
- Douglas Snodgrass, Non-thesis degree, Graduated: Spring 2014
- Clara Lebow, *The role of avian dark facial markings and bills in glare reduction*. Graduated: May 2020

Students on whose committees I have served or am serving:

- Ryan Daniel, graduated fall 1997
- Mike McKee, non-thesis degree, graduated spring 1998
- Charles Wright Jr., outside member, graduated summer 1998
- Barbara Pinson, non-thesis degree, graduated summer 1999
- Mark Olson, non-thesis degree, graduated spring 2000
- David Walker, outside member, graduating spring 2000
- Lori Garcia, non-thesis degree, graduated spring 2000
- Julia Goree, non-thesis degree, graduated summer 2000
- Chris Winnie, graduated spring 2001
- Diane Rowe, Texas A&M Student, graduated fall 2002
- Thomas Kesterson, non-thesis degree, graduated spring 2003
- Priscilla Coulter, graduated fall 2003
- Andrei Nesterovitch, graduated spring 2003
- Rhonda Mood, graduated spring 2004
- Mike Hitchcock, graduated summer 2004
- Phillip Buser, graduated spring 2006
- Josh Pierce, graduated summer 2006
- Jules Smith, graduated summer 2006
- Angela Mangiameli, graduated spring 2006
- Jason Speights, graduated fall 2007
- Mike Smith, graduated spring 2008
- Brendan Kavanagh, graduated spring 2009
- Sarah Saalfeld, graduated fall 2010
- Sherry Anthony, graduated spring 2011
- Kent Fricke, graduated spring 2011
- Ray Shoulders, graduated spring 2011
- April Harkness, graduated summer 2011
- Amanda Bataineh, graduated spring 2012
- Dan Collins, graduated summer 2012
- Amy Braig, graduated fall 2012
- Jena Moon, graduated spring 2014
- Ross Maynard, graduated fall 2014
- Sean Valdez, non-thesis degree, graduated fall 2014
- Cory Becher, graduated summer 2015
- Chandler Brooks, graduated summer 2015
- Meredith Wilson, graduated summer 2015
- Elizabeth Messick, graduated summer 2016
- Laura Springer, graduated summer 2016
- Kristina Ayers, graduated spring 2018
- Zachary Marcou, graduated summer 2018
- Jillian Blenderman, graduated spring 2020
- Garret Ashabranner, graduated summer 2020
- Allison McElroy
- Ashley Kobisk
- Archie Sauls
- Mason Danheim

Committee Participation

- Departmental:
 - Graduate Committee
 - Vehicle Usage Committee (Chaired)
 - Animal Welfare Committee
 - Bio 133 Committee (Chaired)

- Bio 133 Assessment Committee (Chaired)
- Bio 121 Committee (Chaired)
- Executive Committee
- Curriculum Committee
- Graduate Comprehensive Exam Ad Hoc Committee
- Conservation Biologist Search Committee
- Moving and Storage Committee (Chaired)
- Animal Physiologist Search Committee
- Ichthyologist/ Herpetologist Search Committee
- Mammalogist Search Committee
- Scholarship Committee (Chaired)
- Aquatic Biologist Search Committee
- Space Use Committee
- Steering Committee
- Tenure-tracking Committee
- College:
 - Academic Council
 - Workload Task Force College Committee
 - Tenure and Promotion Committees
- University:
 - Institutional Purpose Committee, SACS 2000
 - Faculty/Staff Traffic Appeals Board
 - University Research Council
 - Institutional Animal Care and Use Committee (Chaired)
 - University Student Response System (clicker) Adoption Committee
- Faculty Senate:
 - Elected Senator
 - Faculty Government and Involvement Committee (Chaired)
 - Executive Committee
- Texas Ornithological Society:
 - Research Award Committee

Curation

I have the following curatorial responsibilities at SFA:

- Maintain adequate levels of pesticides in the bird cases.
- Accept salvage specimens.
- Provided avian loans for individuals presenting programs to local organizations on regional birds.
- Submit annual reports on specimens received to State and Federal agencies.
- Prepare new skin and skeletal specimens for addition to the teaching and research collections.
- Provide avian information to researchers
- Entering specimen data into the program Specify.
 - The collection database will eventually be accessible via the internet.

Faculty Sponsorship

I served as the advisor for the SFA Ultimate Frisbee Teams (1998-2012).

I am the advisor for the Agnostics, Atheists and Secular Humanists at SFA (est. 2014).

I am the advisor for the SFA chapter of Beta Beta Beta (2018-current).

Community activity

- Regularly provide presentations and demonstrations on bird ecology and evolution to local public school and youth activity groups and to local civic groups such as the Audubon Society and the Jaycees.
- Nac Brew Club, Nacogdoches, Texas, Officer, President. Pro Bono, approximately 200 hours spent for the year. (October 15, 2015 - Present).
 - Coordinate and run monthly meetings, assure financial stability and maintain growing membership. Most important duty is to plan and coordinate the annual Spring Brewfest.
 - Coordinated Brewfest for two years with over 50 beers and meads from approximately 30-40 brewers with 300-400 members in attendance.
- Great Backyard Bird Count participant since 2016 at the SFA Pineywoods Native Plant Center, Nacogdoches, Texas,
 - Volunteer helping with bird identification.
 - Provided museum specimens for examination and helped attendees identify birds

Memberships in Professional Organizations

- American Ornithological Society, member 1987-2014.
 - Elective Member, 2009
- Wilson Ornithological Society, member 1990-2014.
- Cooper Ornithological Society, member 1990-2002.
- Texas Ornithological Society, member 1999-2012.
- Animal Behavior Society, member 1988- 2021.
- International Society for Behavioral Ecology, member 1988-2012.
- Society for the Study of Evolution, member 1993-2020.
- Society of Systematic Biologists, member 1993-2003.
- Southeastern Association of Naturalists, member 2001-2003.
- Master Brewers Association of the Americas, member 2024-present.

Reviewer

I have reviewed manuscripts for *The Auk*, *Behaviour*, *Behavioral Ecology*, *Ibis*, *Journal of Field Ornithology*, *Quarterly Review of Biology*, *The Southeastern Naturalist*, *Texas Journal of Science*, *Israel Journal of Ecology and Evolution*, and *Wilson Journal of Ornithology*. I have also reviewed chapters for *Cooperative Breeding in Birds*, 2nd edition. I also have reviewed proposals for the National Science Foundation and the US Fish and Wildlife Service.

Paper Presentations and Attendance at Professional Meetings Since Joining SFA

1996:

- The Phylogeny of Life and Accomplishments of Phylogenetic Biology Symposium; Tucson, AZ; October 11-13, 1996.

1997:

- Texas Academy of Science, 6-8 March 1997.
 - Presentation- *Phylogenetic and ecological aspects of cooperative breeding in the bee-eaters (Aves: Meropidae)*.
- Evolution Meetings: joint meeting of the American Society of Naturalists, Society of Systematic Biologists, and the Society for the Study of Evolution, 14-18 June 1997.
 - Presentation- *Phylogenetic and ecological aspects of cooperative breeding in the bee-eaters (Aves: Meropidae)*.
- American Ornithologists' Union Meeting, 13 -16 August 1997.

- Presentation- *Phylogenetic and ecological aspects of cooperative breeding in the bee-eaters (Aves: Meropidae)*.

1998:

- Texas Academy of Science, 5-7 March 1998.
 - Co-authored presentation with Albert Herb (presenter)- *Habitat use patterns of Brown-headed Nuthatches*.
- Evolution Meetings: joint meeting of the American Society of Naturalists, Society of Systematic Biologists, and the Society for the Study of Evolution, 20-24 June 1998.
 - Presentation- *Phylogenetic inertia as a null model in comparative studies*.
- Annual Red-cockaded Woodpecker management meeting. 1 October 1998.

1999:

- Texas Academy of Science, 4-6 March 1999.
 - Presentation- *Phylogenetic effects terminology in comparative studies*.
 - Five co-authored posters:
 - With Albert Herb- *Habitat and territory use by the Brown-headed Nuthatch (Sitta pusilla) in an urban environment*.
 - With Gail Lutowski- *Metapopulation genetics and microhabitat analysis for the Southeastern Myotis (Myotis austroriparius): a rare bat species in East Texas*.
 - With James McCormick- *Brood mortality of Red-cockaded Woodpeckers (Picoides borealis) in the Angelina, Davy Crockett and Sam Houston National Forests*.
 - With Valerie Shafer- *Phylogenetic analysis of cooperative breeding in birds*.
 - With Tamara Thompson- *Division of labor in nesting Brown-headed Nuthatches (Sitta pusilla)*.
- Evolution Meetings: joint meeting of the American Society of Naturalists, Society of Systematic Biologists, and the Society for the Study of Evolution, 22-27 June 1999:
 - Poster with Valerie Shafer- *Phylogenetic analysis of cooperative breeding in the Class Aves*.
- American Ornithologists' Union Meeting, 11 -15 August 1999. Accompanied by three graduate students and one undergraduate student.
 - Presentation- *Cooperative breeding in Thailand bee-eaters (Aves: Meropidae)*.
 - Two co-authored posters:
 - With Albert Herb- *Habitat and territory use by the Brown-headed Nuthatch (Sitta pusilla) in an urban environment*.
 - With Valerie Shafer, *Phylogenetic analysis of cooperative breeding in birds*.
- Annual Red-cockaded Woodpecker management meeting. 29 September 1999.
- Big Thicket Science Conference, 7 - 9 October 1999:
 - Presentation co-authored with Albert Herb, presented by Brent Burt.- *Habitat and territory use by the Brown-headed Nuthatch (Sitta pusilla) in an urban environment*.

2000:

- Ecology Symposium, Texas A & M, 25-26 February.
 - Two co-authored presentations:
 - With Gail Lutowski- *Genetic analysis of the Southeastern Myotis (Myotis austroriparius): a rare bat species in East Texas*.
 - With Valerie Shafer- *Phylogenetic analysis of cooperative breeding in birds*.
- Texas Academy of Science, 10 March.
 - Four co-authored oral presentations:
 - With Gail Lutowski- *Genetic analysis of the Southeastern Myotis (Myotis austroriparius): a rare bat species in East Texas*.
 - With James McCormick- *Brood mortality of Red-cockaded Woodpeckers (Picoides borealis) in the Angelina, Davy Crockett and Sam Houston National Forests*.
 - With Valerie Shafer- *Phylogenetic analysis of cooperative breeding in birds*.
 - With Tamara Thompson- *The division of labor and relative effect of helpers in the cooperative breeding Brown-headed Nuthatch (Sitta pusilla)*.
- Wilson Ornithological Society Meeting, 26-30 April.
 - Three co-authored oral presentations:
 - With Albert Herb, presented by Brent Burt - *Habitat and territory use by the Brown-headed Nuthatch (Sitta pusilla) in an urban environment*.

- With Valerie Shafer- *Phylogenetic analysis of cooperative breeding in birds.*
- With Tamara Thompson- *The division of labor and relative effect of helpers in the cooperative breeding Brown-headed Nuthatch (Sitta pusilla).*

2001:

- Wilson Ornithological Society Meeting. 3-6 May.
 - One co-authored presentation: Brad Johnson (presenter), Shaun Crook, Daniel Saenz, Richard Conner- *An automated recording system for detecting nocturnal birds.*
- American Ornithologists' Union Meeting. 16-18 August. (I was unable to attend)
 - One co-authored presentation: Brad Johnson (presenter), Shaun Crook, Daniel Saenz, Richard Conner- *An automated recording system for detecting nocturnal birds.*

Brad and Shaun were undergraduate students in my ornithology class. These paper presentations are the result of a class project.

2002:

- Wilson Ornithological Society Meeting. 11-14 April.
 - Four co-authored presentation:
 - With Priscilla Coulter (presenter), Hsiao-Wei Yuan and Li-Ping Wang- *Parental effort and fitness in Blue-tailed Bee-eaters.*
 - With Priscilla Coulter, Hsiao-Wei Yuan and Sheng-Feng Shen (I presented)- *Antipredator benefits of coloniality in Blue-tailed Bee-eaters.*
 - With Lynnette Brock (presenter), Dean Coble and Richard Conner- *Habitat variation and reproductive success in the Brown-headed Nuthatch.*
 - With Jim McCormick, Richard Conner, Daniel Saenz (presenter)- *Influence of habitat and number of nestlings on brood reduction in Red-cockaded Woodpeckers.*
- North American Ornithological Conference. 24-28 September.
 - Four co-authored presentation:
 - With Priscilla Coulter (presenter), Hsiao-Wei Yuan and Li-Ping Wang- *Parentage and parental effort in Blue-tailed Bee-eaters.*
 - With Priscilla Coulter, Hsiao-Wei Yuan and Sheng-Feng Shen (I presented)- *Does nest predation threat contribute to colonial nesting in Blue-tailed Bee-eaters.*
 - With Lynnette Brock (presenter), Dean Coble and Richard Conner- *Effects of habitat quality on the reproductive success of the Brown-headed Nuthatch.*
 - With Jim McCormick, Richard Conner, Daniel Saenz (I presented)- *Patterns of brood reduction in Red-cockaded Woodpeckers support the egg insurance hypothesis.*

2003:

- Red-cockaded Woodpecker Symposium IV. January 27-31.
 - With Jim McCormick (presenter), Richard Conner, Daniel Saenz- *Influence of habitat and number of nestlings on partial brood loss in Red-cockaded Woodpeckers.*

2004:

- American Ornithologists' Union Meeting. 16-18 August.
 - With Robert Allen (presenter) and Richard Conner- *Bachman's Sparrow, Brown-headed Nuthatch and Pine Warbler habitat preferences in East Texas.*

2005:

- American Ornithologists' Union Meeting. 23-27 August.
 - With John Macey (presenter) and Richard Conner- *Threshold Limits of Hardwood Midstory for Foraging Red-cockaded Woodpeckers (Picoides borealis), in Loblolly (Pinus taeda)/ Shortleaf (Pinus echinata) Pine Ecosystems in East Texas.*

2006:

- Seventh Eastern Old-growth Conference. 24-25 March.
 - Poster: D. B. Burt with Priscilla F. Coulter, Clifford E. Shackelford, D. Craig Rudolph and James A. Neal. *Potential Ivory-billed Woodpecker, Campephilus principalis, Habitat in Eastern Texas.*

2007:

- North American Ornithological Conference. 3-8 October.

- Poster: H. Podlipny, D. Brent Burt, D. Saenz. *Experimental Analyses of Mobbing Behavior in Colonial and Solitary Blue-Tailed Bee-eaters (Merops philippinus)*.

2008:

- Evolution Meetings: joint meeting of the American Society of Naturalists, Society of Systematic Biologists, and the Society for the Study of Evolution, 21 June.
 - With Matt Kwiatkowski (presenter). *The evolution of facial stripes in New World pitvipers: testing ecological and social hypotheses*.

2011:

- Big Thicket Science Conference, 8-9 April, 2011.
 - With Robert A. Allen (presenter). *Vegetation characteristics of Bachman's sparrow habitat in the western terminus of the longleaf pine ecosystem*. (Oral Presentation)
 - Poster: Sullivan, J.B. and D.B. Burt. *Habitat variables associated with brown-headed nuthatch (Sitta pusilla) nesting success in east Texas forests*.
 - *analytical and critical thinking skills while testing evolutionary hypotheses*.
- 129th Annual meeting of the American Ornithologists' Union, Jacksonville, Florida. July 27.
 - With Matthew A. Buckingham (presenter). *Avian-habitat relationships in Iguazu National Park, Argentina*. (Oral Presentation)
 - Poster: Buckingham, M. A. and D. B. Burt. *The species composition of mixed-species foraging flocks in Iguazu National Park, Argentina*.

2012:

- Bright Ideas Conference, April 11.
 - Poster: Macey, J. N., Burt, D. B., Conner, R. N., Saenz, D. *A Habitat Management Model Based on Foraging Red-cockaded woodpecker Habitat Use and Avoidance*.
- High Impact Practices Conference, April 12.
 - Poster: Burt, D. B., *Why do some birds have dark eye stripes? Developing*
- American Ornithologists' Union, Vancouver, BC, Canada. August 15.
 - Macey, J. N., Burt, D. B., Conner, R. N., Saenz, D. *A Habitat Management Model Based on Foraging Red-cockaded woodpecker Habitat Use and Avoidance*

2013:

- STEM Center Fall Research Conference, October 11
 - Poster: Gumm, J. M., Kwiatkowski, M., Burt, D. B. *Plumage color as an indicator of male quality in Painted Buntings, Passerina ciris*.

2014:

- Annual Meetings of the Society for Integrative and Comparative Biology, January 2014.
 - With Kwiatkowski, M.A. and M., Gumm, J. M. I presented. *Male color as an indication of quality and reproductive success in Painted Buntings (Passerina ciris)*.
- Bright Ideas Conference, SFASU, 1 May 2014.
 - Poster: Gumm, J. M., Kwiatkowski, M., Burt, D. B. *Sensory Ecology at Stephen F. Austin State University*

2015:

- Big Thicket Science Conference, 17 April 2015.
 - Burt, D. B., Saenz, D., Macey, J. N., Conner, R. N. *Habitat use and avoidance by foraging Red-cockaded Woodpeckers in East Texas*
 - Poster: Scribner, S., Burt D.B. *Testing hypotheses for the adaptive evolution of facial stripes in birds*.
 - Poster: Springer, L., Burt, D. B., Saenz, D., Hibbitts, T. *Variation in diel calling activity of crawfish frogs between seasons*.
- SFA Undergraduate Research Conference 2015
 - Poster: Scribner, S., Burt D.B. *Testing hypotheses for the adaptive evolution of facial stripes in birds*.

2016:

- Society for the Study of Evolution, American Society of Naturalists, Society of Systematic Biologists, Austin, Texas, 18 June, 2016
 - Poster: Burt, D. B. and Scribner, S. *Testing hypotheses for the evolution of dark facial stripes in birds*.

2017:

- Joint Meetings of Ichthyologists and Herpetologists, Austin, Texas, 16 July 2017
 - Poster: Perez, L. K, Kwiatkowski, M., Burt, D. B. *The evolution of potential color signals in Hylid frogs.*

2018:

- Southwestern Association of Naturalists, San Marcos, Texas, 12-15 April 2018
 - Poster: Kwiatkowski, M.A., Lebow, C., Burt, D.B. *The Many Functions of Dark Facial Markings: A Review of Vertebrate Studies.*
- Animal Behavior Society, 55th Annual Conference, Milwaukee, Wisconsin, 2-6 August 2018
 - Poster: Lebow, C., Burt, D. B., Musser, J. *Glare reduction properties of bills and plumage of Avian Museum Specimens.*

2019:

- American Ornithological Society, Anchorage, Alaska, 24-28 June 2019
 - Lebow, C.K. Burt, D.B., J. Taylor *Glare Reduction Properties of Dark Avian Facial Markings.*

2020:

- Society for Integrative and Comparative Biology, Austin, Texas, 3-7 January 2020
 - Lebow, C.K. and Burt, D.B. *Glare Reduction Properties of Dark Avian Facial Markings.*

2022:

- Avian Conservation and Ecology Symposium, Houston Museum of Natural History, Houston, Texas, 14 May 2022.
 - Buckingham, M. and Burt, D. B. *Avian-Habitat Relationships in Iguazú National Park.*

Invited Presentations

1997:

- Department of Wildlife and Fisheries Sciences, Texas A&M University.
 - *Phylogenetic and ecological aspects of cooperative breeding in the bee-eaters (Aves: Meropidae).*

2000:

- National Taiwan University, Department of Forestry. Taipei, Taiwan. 25 May.
 - *Phylogenetic and ecological aspects of cooperative breeding in the bee-eaters.*
- Kinmen National Park. Kinmen, Taiwan. 30 May.
 - *Cooperative breeding in bee-eaters.*
- Department of Biology, Stephen F. Austin State University. Nacogdoches, Texas. 10 October.
 - *Complex breeding interactions among colonial bee-eaters.*
- Department of Biology, Sam Houston State University. Huntsville, Texas. 12 October.
 - *Complex breeding interactions among colonial bee-eaters.*

2001:

- Department of Biology, Truman State University. Kirksville, Missouri. 9 February.
 - *The evolution of cooperative breeding in birds.*

2002:

- Department of Biology, Stephen F. Austin State University. Nacogdoches, Texas. 16 September.
 - *The evolution of cooperative breeding in birds.*

2004:

- Temple-Inland Research Summit. 29 April.
 - With Robert Allen (co-presenter) and Richard Conner- *Habitat Use Patterns of Resident and Migratory Birds of the Longleaf Pine Ecosystem in East Texas.*
- Kinmen National Park. Kinmen, Taiwan. 30 May.
 - With Priscilla Coulter, Hsiao-Wei Yuan and Sheng-Feng Shen (I presented)- *Nest predation and mobbing in colonial nesting Blue-tailed Bee-eaters.*

2005:

- Stephen F. Austin State University. Nacogdoches, Texas. 29 April
 - With Richard Conner (co-presenter)- *Rediscovery of the Ivory-billed Woodpecker.*
- Kinmen National Park. Kinmen, Taiwan. 23 May.

- *Bachman's Sparrow, Brown-headed Nuthatch and Pine Warbler habitat Preferences in East Texas.*
- National Taiwan University, Taipei, Taiwan. Wildlife Biology Class. 26 May.
 - *Bachman's Sparrow, Brown-headed Nuthatch and Pine Warbler habitat Preferences in East Texas.*
- 2008:**
 - Angelo State University. San Angelo, Texas. 17 April. Beta Beta Beta Induction Dinner.
 - *Fried Grasshoppers, Wats, Landmines and Typhoons: Adventures in Studies of Cooperative Breeding Birds.*
- 2011:**
 - Pineywoods Audubon Society, Nacogdoches, Tx. October 6.
 - *Painted Bunting Behavioral Ecology. More Than Just a Pretty Passerine.*
- 2012:**
 - LSU Shreveport, Shreveport, LA. January 10.
 - *Foraging Red-cockaded Woodpecker Habitat Use and Avoidance*
 - STEM Day, STEM Center, Nacogdoches, Tx. February 17, With Matt Kwiatkowski.
 - *Painted Bunting Behavioral Ecology. More Than Just a Pretty Passerine.*
- 2013:**
 - University of Texas, Tyler, Tyler Texas. February 22.
 - *Foraging Red-cockaded Woodpecker Habitat Use and Avoidance.*
 - Pineywoods Audubon Society, Nacogdoches, Tx. April 4.
 - *Painted Bunting Behavioral Ecology.*
 - Caddo Mounds State Historic Site, Alto, Texas. April .
 - *Texas Birding 101.*
- 2014:**
 - Secular Humanists Society of East Texas. 15 March.
 - *Evolution: Explaining Biodiversity*
 - Caddo Mounds State Historic Site, Alto, Texas. April 6.
 - *Texas Birding 101.*
 - Freethought 2014, East Texas Annual Convention, September 27.
 - *Discussing Evolution With Those Wary of Science.*
- 2015:**
 - Caddo Mounds State Historic Site, Alto, Texas. May 9.
 - *Texas Birding 101.*
- 2016:**
 - Department of Biology, Departmental Flash Presentation, April
 - *Why Phylogenies Matter.*
- 2017:**
 - Texas Ornithological Society annual meeting, 12 January.
 - *A sparrow, nuthatch and woodpecker fly into a pine savanna.*

Educational Publications

- Burt, D. B., Kwiatkowski, M. 2013. Zoology Laboratory Manual. An Integrative Approach (pp. 75). Dubuque, IA: Kendall Hunt Publishing Company.
- Burt, D. B., Kwiatkowski, M., Sullivan, J. 2016. Zoology Laboratory Manual, An Integrative Approach, Second Edition (pp. 86). Dubuque, IA: Kendall Hunt Publishing Company.

Research Publications

- Macey, J. N., **D.B. Burt**, R.N. Conner, D. Saenz. (2016). Habitat Use And Avoidance By Foraging Red-cockaded Woodpeckers In East Texas. Southeastern Naturalist 15 (Special Issue 9): 76-89

- Allen, R. and **D.B. Burt**. 2014. Vegetative Characteristics of Bachman's Sparrow Habitat in the West Gulf Coastal Plain. *Proceedings of the 5th Big Thicket Science Conference: Changing Landscapes and Changing Climate*, Southeastern Naturalist 13:41-51.
- Kwiatkowski, M. and **D.B. Burt**. 2011. Evolutionary losses of facial stripes in New World pitvipers. *Biological Journal of the Linnean Society*, 104:923–933
- Comer, C.E., A.L. Bell, B.P. Oswald, W.C. Conway, and **D.B. Burt**. 2011. Vegetation and avian response to prescribed fire on glade habitats in the Missouri Ozarks. *American Midland Naturalist* 165:91-104
- Saenz, D., H.V. Podlipney, P.-Y. Tsai, **D.B. Burt** and H.-W. Yuan. 2009. A survey of reptiles and amphibians on Kinmen Island, Taiwan. *Herpetological Bulletin* 108: 3-9.
- Johnson, J.B., **D.B. Burt** and T. J. DeWitt. 2008. Form, function and fitness: pathways to survival. *Evolution* 62:1243–1251. (<http://www.faculty.sfasu.edu/burtdonal/PubPDFs/Johnsonetal2008.pdf>)
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Grants Received While at SFA

- Faculty Research Grant, Stephen F. Austin State University, 1997.
 - *Behavioral ecology of cooperative breeding Brown-headed Nuthatches, Sitta pusilla.* **\$17,767.**
- Faculty Research Grant, Stephen F. Austin State University, 2000.
 - *Behavioral ecology and evolutionary plasticity of the breeding behavior of blue-tailed bee-eaters on Kinmen Island, Taiwan.* **\$ 22,767.**
- U.S. Fish and Wildlife Service/SFA minigrant, 2001-2002.
 - *Effects of Pine Forest Management Practices on Brown-headed Nuthatches and Bachman's Sparrows in East Texas.* **\$ 17,370.**
- Faculty Research Grant, Stephen F. Austin State University, 2007.
 - *Habitat characteristics influencing reproductive success of Brown-headed Nuthatches, Sitta pusilla.* **\$16,009.**
- Minigrant, Stephen F. Austin State University, 2013.
 - *Minigrant: Habitat selection and reproductive success of Painted Buntings, Passerina ciris.* **\$2,500.**
- STEM Center Faculty Research Enhancement Grant, Stephen F. Austin State University, 2013.
 - *NSF REU Grant proposal, 100% summer stipend for Summer II*
- STEM Center Research Equipment, Stephen F. Austin State University, 2013.
 - *Painted Bunting research equipment, \$1,440.00.*

Awards

- Elective Member of the American Ornithologists' Union, 2009
- Spotlight Exhibit, Bright Ideas Conference, Scholarship/Research, May 1, 2014.
- Interviewed for an article featuring my hybrid teaching methods, 10 January 2020

- "Help Students Stay on Track in a Flipped Class"
- <https://www.coursehero.com/faculty-club/classroom-tips/brent-burt/>