

CURRICULUM VITAE

Steven Goldsmith

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EDUCATION

Ph.D. (Zoology) Arizona State University, 1985
M.S. (Zoology) University of Oklahoma, 1981
B.S. (Zoology) University of Oklahoma, 1978

PROFESSIONAL EMPLOYMENT

2007 – present Professor of Biology, Dean of Sciences, Austin College
1999 – 2007 Associate Professor and Chair, Department of Biology, Austin College
1995 – 1999 Assistant Professor of Biology, Austin College
1993 – 1995 Visiting Assistant Professor of Biology, Austin College
1988 – 1992 Director of Advising, College of Arts and Sciences, University of Tulsa
1986 – 1993 Visiting Assistant Professor of Biology, University of Tulsa
1985 – 1986 Visiting Assistant Professor of Biology, Austin College
Summer 1985, 1986 Assistant Professor of Zoology, University of Oklahoma Biological Station

PUBLICATIONS

- Goldsmith, S. 2007. Longhorned beetle (Coleoptera: Cerambycidae) density differs at different elevations in Hawaiian montane forest. *Southwestern Naturalist* 53: 364-370
- Goldsmith, S., H. Gillespie, and C. Weatherby. 2007. Restoration of Hawaiian montane wet forest: endemic longhorned beetles (Cerambycidae: *Plagithmysus*) in koa (Fabaceae: *Acacia koa*) plantations and in intact forest. *Southwestern Naturalist* 53: 356-363
- Hill, P. and S. Goldsmith. 2005. Albert Patrick Blair, 1913-2004. *Southwestern Naturalist* 50:282-283
- Goldsmith, S. 2002. Book review of *Texas Natural History: A century of change* by David Schmidly. *Sida* 20: 873-875
- Goldsmith, S., and J. Mealy. 2002. Arctic National Wildlife Refuge: To drill or not to drill? *Austin College Magazine*, Fall 2002. (an opinion piece)
- Goldsmith, S. 1999. Howard McCarley, 1926-1999. *Southwestern Naturalist* 44: 545-546
- Goldsmith, S.K, Z. Stewart, S. Adams, and A. Trimble. 1996. Body size, male aggression, and male mating success in the cottonwood borer (*Plectrodera scalator*, Coleoptera: Cerambycidae). *Journal of Insect Behavior* 9:719-728
- Goldsmith, S.K. and J. Alcock. 1993. The mating chances of small males of the cerambycid beetle *Trachyderes mandibularis* differ in different environments. *Journal of Insect Behavior* 6:351-360
- Goldsmith, S.K. 1989. Feeding ecology and the mating system of *Stenaspis verticalis arizonicus* Casey (Coleoptera: Cerambycidae). *Journal of the Kansas Entomological Society* 62:528-533
- Goldsmith, S.K. 1988. Courtship behavior of the rough green snake *Opheodrys aestivus* (Colubridae: Serpentes). *Southwestern Naturalist* 33:473-477

Goldsmith, S.K. 1987a. The mating system and alternative reproductive behaviors of *Dendrobias mandibularis* (Coleoptera: Cerambycidae). Behavioral Ecology and Sociobiology 20:111-115

Goldsmith, S.K. 1987b. Resource distribution and its effect on the mating system of a longhorned beetle, *Perarthrus linsleyi* (Coleoptera: Cerambycidae). Oecologia 73:317-320

Goldsmith, S.K. 1986. Feeding behavior of an arboreal, insectivorous snake (*Opheodrys aestivus*). Southwestern Naturalist 31:246-249

Goldsmith, S.K. 1985. Male dimorphism in *Dendrobias mandibularis* Audinet-Serville (Coleoptera: Cerambycidae). Journal of the Kansas Entomological Society 58:534-538

Goldsmith, S.K. 1984. Aspects of the natural history of the rough green snake, *Opheodrys aestivus* (Colubridae: Serpentes). Southwestern Naturalist 29:445-452

PRESENTATIONS AT PROFESSIONAL CONFERENCES

2009: "Plags, Koas, and Akis: An endemic Hawaiian community in peril" part of an invited symposium on longhorned beetle biology, Entomological Society of America meeting, Indianapolis, IN

2007: "Seasonal changes in abundance and size of longhorned beetles (Coleoptera: Cerambycidae) depend on elevation in Hawaiian montane forest" Southwestern Association of Naturalists meeting, Stephenville, TX

2004: "Assessing restoration of Hawai'iian montane wet forest: Frequency and abundance of longhorned beetles, a food source for 'akiapola'au" Hawaii Conservation Conference, Honolulu, HI

2001: "Plags, Koas, and Akis: An endemic Hawaiian community in peril" Southwestern Association of Naturalists meeting, Hays, KS

1998: "Reproductive biology of *Manfreda virginica* (Agavaceae) in north central Texas" Southwestern Association of Naturalists meeting, Albuquerque, NM

1997: "Innovative techniques for teaching field biology" Conference on Curriculum Development in the Life Sciences, Austin, TX

1997: "Aspects of the natural history of the granite grasshopper, *Trimerotropis saxatilis* (Orthoptera: Acrididae)" Southwestern Association of Naturalists meeting, Fayetteville, AR

1995: "Male aggression and sperm competition in the mating system of *Plectrodera scalator*" part of a symposium on "Insect Mating Systems" at the International Ethological Conference, Honolulu, HI

1992: "The mating system of *Trachyderes mandibularis* on saguaro cactus fruits: A large male advantage?" Southwestern Association of Naturalists meeting, Junction TX

1989: "Feeding ecology and the mating system of *Stenaspis verticalis* (Coleoptera: Cerambycidae)" Animal Behavior Society meeting, Northern Kentucky University, Highland Heights, KY

1988: "Male dimorphism and alternative reproductive behaviors of *Dendrobias mandibularis*" part of an invited symposium on "Secondary sexual characteristics and reproductive competition

in insects” 18th International Entomology Congress, University of British Columbia, Vancouver BC

1981: “Feeding behavior of an arboreal, insectivorous snake (*Opheodrys aestivus*)”
Southwestern Association of Naturalists meeting, New Orleans LA

TECHNICAL REPORTS

Report on special use permit SUP 12516-07001, prepared for Hakalau Forest National Wildlife Refuge, January 2008

Report on special use permit SUP 12516-05019, prepared for Hakalau Forest National Wildlife Refuge, July 2006

Report on special use permit SUP 12516-04025, prepared for Hakalau Forest National Wildlife Refuge, March 2005

Report on special use permit SUP 12516-03021, prepared for Hakalau Forest National Wildlife Refuge, March 2004

Report on special use permit SUP 12516-02019, prepared for Hakalau Forest National Wildlife Refuge, February 2003

Report on special use permit SUP 12516-01011, prepared for Hakalau Forest National Wildlife Refuge, December 2001

STUDENT PRESENTATIONS AT PROFESSIONAL CONFERENCES AND ON CAMPUS

2004: “Assessing restoration of Hawai’ian montane wet forest: Frequency and abundance of longhorned beetles, a food source for ‘akiapola’au” presented by Hayley Gillespie, Southwestern Association of Naturalists meeting, San Antonio, TX

2003: Biology Department seminar: “Plugs, Koas, and Akis: Ecology of Hawaiian Montane Wet Forest” presented by Hayley Gillespie

2003: “Ecology of Longhorned Beetle Larvae in Hawaiian Montane Wet Forest” presented by Hayley Gillespie, National Council on Undergraduate Research meeting, Salt Lake City

2001: “Population Density, Body Size, and Web Characteristics of *Argiope aurantia* (Araneae: Araneidae)” presented by Shawna Tuben, Southwestern Association of Naturalists meeting, Hays, KS

2000: Biology Department seminar: “Species richness and diversity of benthic insect larvae in southern Oklahoma streams” presented by Shawna Tuben and Brandie Gould

1998: “Reproductive cycle of the granite grasshopper, *Trimerotropis saxatilis* (Orthoptera: Acrididae)” presented by Rhome Hughes, Southwestern Association of Naturalists meeting, Albuquerque, NM

1998: Biology Department seminar: “In fire ants (*Solenopsis invicta*; Hymenoptera: Formicidae), alate queens are virgins and reproducing queens have been inseminated” presented by Keri Bugg

PRESENTATIONS ON CAMPUS, AT OTHER INSTITUTIONS, AND IN THE COMMUNITY

November 2013: Dedication of IDEA Center, faculty response

March 2013: Hagerman National Wildlife Refuge “Second Saturday” program: “Birds of Hawaii”

October 2012: AC Science, Math, and Computer Science Preview: "Special Opportunities in the Sciences"

September 2012: Bluestem chapter of North Texas Master Naturalists: "Entomology"

October 2011: AC Science, Math, and Computer Science Preview: "Special Opportunities in the Sciences"

October 2011: "Virtual Tour of the IDEA Center" for alumni, trustees, and friends of the college at the New Century of Science luncheon associated with Homecoming

November 2010: Texoma Parks and Trails Alliance: "Six Legged Science"

October 2010: AC Homecoming Alumni College: "Natural History of *Mirounga angustirostris*, the Northern Elephant Seal"

October 2010: AC Science, Math, and Computer Science Preview: "Special Opportunities in the Sciences"

September 2010: Hagerman National Wildlife Refuge "Second Saturday" program: "Six Legged Science"

February 2010: Hagerman National Wildlife Refuge "Second Saturday" program: "Natural History of *Mirounga angustirostris*, the Northern Elephant Seal"

October 2009: AC Science, Math, and Computer Science Preview: "Special Opportunities in the Sciences"

September 2009: Tuesday Afternoon with... "Natural History of *Mirounga angustirostris*, the Northern Elephant Seal"

April 2009: "Strategies of Human Mating: Austin College 1995-2008" a "response paper" to a presentation by Dr. David Buss (University of Texas), "Strategies of Human Mating," the keynote address of the annual Austin College undergraduate research conference. This year's conference theme was "Darwin 200: Bridging Disciplines/Breaking Boundaries"

February 2009: AC Biology Department seminar: "Natural History of *Mirounga angustirostris*, the Northern Elephant Seal"

October 2008: "Darwin's Second Most Important Idea: Selection in Relation to Sex," part 3 of the Austin College Darwin 200 series of lectures and events.

October 2008: AC Science, Math, and Computer Science Preview: "Special Opportunities in the Sciences"

October 2008: Hagerman National Wildlife Refuge "Second Saturday" program: "Six Legged Science"

August 2008: Sherman noon rotary club: "Learning and teaching in paradise"

February 2008: AC Science, Math, and Computer Science Preview: "Special Opportunities in the Sciences"

February 2007: AC Science, Math, and Computer Science Preview: "Special Opportunities in the Sciences"

September 2006: AC Biology Department seminar: "Stranger in a strange land: a biologist on a humanities trip to Asia"

April 2006: AC Biology Department seminar: "January Term in Paradise: Natural History of the Hawaiian Islands 2006"

March 2006: AC Environmental Studies lunch forum: "Plags, Koas, and Akis: My research in Hawaii"

November 2005: AC Biology Department seminar: "What I did last summer: Road trip and research"

April 2005: Red River Valley Birding and Nature Festival: presentations on "Herps of Texoma" and "Native and Endangered Birds of Hawaii"; also led field trip: "Bug Hunt in the Arbuckles"

April 2005: AC Environmental Studies lunch forum: "Conservation and Land Use in Hawaii"

March 2005: AC Biology Department seminar: "January Term 2004: Natural History of the Hawaiian Islands"

February 2005: AC Science, Math, and Computer Science Preview: "Special Opportunities in the Sciences"

April 2004: AC Biology Department seminar: "Assessing Restoration of Hawaiian Montane Wet Forest" presented with Cole Weatherby

February 2004: AC Science, Math, and Computer Science Preview: "Special Opportunities in the Sciences"

March 2003: AC Biology Department seminar: "January Term 2003: Natural History of the Desert Southwest"

February 2003: AC Science, Math, and Computer Science Preview: "Special Opportunities in the Sciences"

May 2002: AC Workshop week faculty symposium: "Natural History and Conservation in Hawaii"

April 2002: AC "Campaign for the New Era" kickoff: "Natural History of the Hawaiian Islands"

March 2002: AC Biology Department seminar: "January Term 2002: Natural History of the Hawaiian Islands"

February 2002: University of Tulsa, Faculty of Biological Science seminar: "Plags, Koas, and Akis: An endemic Hawaiian community in peril"

November 2001: AC Biology Department seminar: "Plags, Koas, and Akis: An endemic Hawaiian community in peril, Part 2"

September 2001: Highland Park Presbyterian Church Senior Fellowship group: "Natural History of the Hawaiian Islands"

February 2001: AC Biology Department seminar: "Plugs, Koas, and Akis: An endemic Hawaiian community in peril"

November 1999: University of Tulsa, Faculty of Biological Science seminar: "Natural History of the Hawaiian Islands"

March 1999: AC Biology Department seminar: "Natural History of the Hawaiian Islands"

April 1998: session on "Prairie Invertebrates" for North Texas Master Naturalist program, held at Clymer Meadow, a Nature Conservancy site

November 1995: AC Biology Department seminar: "Evolution of mating systems in longhorned beetles"

October 1992: University of Kansas, Department of Entomology seminar: "Male aggression and sperm competition in the mating system of *Plectrodera scalator*"

September 1992: University of Tulsa, Faculty of Biological Sciences seminar: "Male aggression and sperm competition in the mating system of *Plectrodera scalator*"

July 1991: Rocky Mountain Biological Laboratory, Gothic, CO: "Evolution of mating systems in longhorned beetles"

October 1987: Oklahoma State University, Zoology Department seminar: "Evolution of mating systems in longhorned beetles"

January 1987 University of Tulsa, Faculty of Biological Sciences seminar: "Beetle sex: An evolutionary perspective"

January 1986: University of Oklahoma Zoology Department Seminar: "Beetle sex: An evolutionary perspective"

July 1985: University of Oklahoma Biological Station: "Beetle sex: An evolutionary perspective"

April 1985: Austin College Biology Department: "Beetle sex: An evolutionary perspective"

OTHER PROFESSIONAL CONFERENCE AND WORKSHOPS

November 2014: Association of Schools and Programs in Public Health annual Summit of Undergraduate Education in Public Health. New Orleans, LA

November 2012: AAC&U working conference on Next Generation STEM Learning: Investigate, Innovate, Inspire. Kansas City, MO

November 2008: AAC&U working conference on Engaging Science, Advancing Learning: General Education, Majors, and the New Global Century. Providence, RI

July 2008: Summer Institute for Intercultural Communication workshop (Intercultural Competence on Campus). Portland OR

January 2008: AAC&U/ACAD Joint Annual Meeting on Intentional Learning, Unscripted Challenges: Knowledge and Imagination for an Interdependent World. Washington, DC

June 2007: Southern Association of Colleges and Schools workshop on Principles of Accreditation. Atlanta GA

March 2000: American Institute of Biological Sciences annual meeting, "Biology: Challenges for the new millennium" Washington D.C.

April 2000: Southwestern Association of Naturalists meeting, Denton, TX.

June 2000: National Council on Undergraduate Research meeting, College of Wooster, OH.

October 1998: Missouri Botanical Garden Systematics Symposium, St. Louis, MO

October 1997: Missouri Botanical Garden Systematics Symposium, St. Louis, MO

April 1996: Southwestern Association of Naturalists meeting, McAllen, TX

April 1995: Southwestern Association of Naturalists meeting, Shreveport, LA

October 1989: National Academic Advising Association conference, Iowa State University, Iowa City

PHOTOGRAPHS PUBLISHED

Montane wet forest appeared in an issue of *Science*

Ohelo berries was published in *Honolulu Magazine* – ohelo is an endemic Hawaiian blueberry

Sotol appeared in a poster on desert plants prepared by the Center for Biodiversity

Haleakala Crater appeared on the cover of a CD of music (*Groove Stew*) that was published locally on Maui

Kahili ginger appeared in *Wired Magazine*

Heads of *Achillea millefolium*; Leaves and fruit of *Diospyros virginiana*; Leaves of *Liquidambar styraciflua*; and Leaves and flowers of *Podophyllum peltatum* appeared in *Dyes from American Native Plants* by L. Richards and R. Tyrl, Timber Press, 2005

Haleakala silversword in flower appeared in the chapter on "Evolution" in *A World of Islands* published by Island Studies Press

AWARDS AND HONORS

2006 Science Division Service Award

2005 Austin College nominee for Minnie Stevens Piper Professors program

2004 Science Division Teaching Award

PROFESSIONAL SOCIETIES AND ACTIVITIES

Animal Behavior Society

Southwestern Association of Naturalists

Editorial board of *The Southwestern Naturalist*, 1996-2005

UNDERGRADUATE RESEARCH STUDENTS

Cole Weatherby (Austin College, 2003)

Hayley Gillespie (Austin College, 2002-2003)

Shawna Tuben (Austin College, January and summer 2000)

Brandie Gould (Austin College, January and summer 2000)

Keri Bugg (Austin College, 1998)

Rhome Hughes (Austin College, 1997-1998)

Michelle Rawson (Austin College, 1994)
Veronique Tran (Austin College, 1994)
Jason Kilgore (University of Tulsa, 1993)
Angela Trimble (University of Tulsa, 1992, 1993)
Zoe Stewart (University of Tulsa, 1992)
Stacie Adams (University of Tulsa, 1992)

COMMITTEES AND OTHER SERVICE

IDEA Center landscape committee (2012-...)
Building Shepherd, IDEA Center (2011-...)
Leader of the McCarley Memorial Field trip at Homecoming (1999-...)
Dean of Sciences, (2007-...)
Chair, Quality Enhancement Plan committee (2007-2009)
Chair of Biology Department (1999-2007)
“Internationalizing the Campus” advisory committee (2006-2007)
SACS on-site reaffirmation committee (fall 2006)
IDEA Center Planning Committee (1999-...)
HWC Advisory Committee (2007)
Institutional Effectiveness Committee (2007-2011)
Faculty Hearing Committee (twice, chair once)
Deputy Marshal (2003-....)
Environmental Studies Advisory Committee
College Strategic Planning Committee (2003-2005)
Landscape Master Planning Committee (2003-2004)
Curriculum Review Steering Committee
Curriculum Committee
Enrollment Management Task Force