

ROMI L. BURKS

CURRICULUM VITA

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EDUCATION

University of Notre Dame (UND) **Ph.D. Ecology, Evolution & Environmental Biology, 2000**
Dissertation title: *Daphnia* in littoral zones: costs &
benefits associated with diel horizontal migration;
Advisor: D. Lodge

Loyola University Chicago (LUC) **B.S. in Biology with honors, *magna cum laude*, 1995**
B.A. in English with honors, *magna cum laude*, 1995

POSITIONS HELD

2009 - present Associate Professor, Department of Biology, Southwestern University (SU)
2003 - 2009 Assistant Professor, SU Department of Biology
2009 - 2012 Paideia Professor, Southwestern University
2006 - present Chair, SU Animal Behavior Program; co-chair beginning Fall 2009
2003 - present Associate Doctoral Faculty, Texas State University
08/01 - 7/03 Research and Teaching Fellow, Rhodes College (RC)
12/00 - 7/03 Postdoctoral Fellow, The Ohio State University
08/00 - 12/00 Visiting Assistant Professor in Biology & Teaching Associate for the Kaneb Center
for Teaching and Learning, UND
08/99, 08/04 Invited Researcher, Netherlands Institute of Ecology, Centre for Limnology
1997 - 2002 Invited Researcher, National Environmental Research Institute, Silkeborg, DK
1995 - 1997 Teaching Assistant, Department of Biology, UND
1992 - 1995 Aquatic Ecology Research Technician, LUC

HONORS, LEADERSHIP ROLES & AWARDS

2011 - 2013 Faculty Participant, NSF-CCLI: Developing and Assessing Process Skills in
Conservation Biology and Other Integrative Fields
2010 - 2012 Chair, Researchers at Undergraduate Institutions Section, ESA
2010 Invited Opponent, Limnology Department, Lund University
2010 Joined Editorial Board of *Freshwater Biology* (invitation only)
2011 - 2012 Texas Academy of Sciences President (elected)
2010 - 2011 Texas Academy of Sciences President-Elect (elected)
2009 - 2010 Texas Academy of Sciences Vice President (elected), Awards Committee Chair
2009 Texas Academy of Sciences Fellow
2009 - 2010 Guest Editor, *Hydrobiologia*, Proceedings 2008 International Shallow Lakes
2009 Invited Participant, AAAS Conference: Transforming Undergraduate Education
in Biology: Mobilizing the Community for Change
2009 Panelist for IRES (International Research Experiences for Students), National
Science Foundation (NSF), Washington D.C.
2008 - 2010 Selected as BEN (BioEdNet) Scholar, AAAS, Washington, D.C.
2008 - 2009 SU Partner of the Year, Georgetown Partners in Education
2007 Southwestern University Nomination for Piper Professor
2007 Finalist for Brown Junior Investigator Award
2007 Panelist for DDIG Review in Ecology, National Science Foundation
2006, 2009 Nominated for Outstanding Teaching Award, SU
2005, 2006 Recognized as faculty work actively through disability issues, SU
2004, 2005 Associated Colleges of the South (ACS) Environmental Fellow
2004 Associated Colleges of the South Technology Fellow
2004 Invited participant (16 chosen from 70 applicants) for SEEK (Science
Environment for Ecological Knowledge) workshop in Ecoinformatics

2003	Invited Panelist for Grant Review in Ecology, National Science Foundation
2003	Website featured on-line at <i>The Chronicle of Higher Education (Sept)</i>
2003	Invited Participant for "Teaching Green," an ACS workshop aimed at incorporating environmental issues into interdisciplinary teaching
2001	Selected Participant (44 chosen from 180) in DIALOG IV in Bermuda
2000	The Kaneb Center Graduate Student Award for Excellence in Teaching
1998	Fulbright Scholar to Denmark
1997	UND Graduate Student Union Teaching Assistant of the Year Award
1995	Presidential Medal Recipient from the College of Arts and Sciences, LUC
1995 to present	<i>Phi Beta Kappa</i> , member

RESEARCH INTERESTS

- Predator-prey interactions (particularly invertebrate)
- Role of complexity in structuring littoral zones
- Impacts of exotic species on community structure
- Chemical communication in aquatic systems
- Biomanipulation in shallow lakes, alternative stable states, *Daphnia* & water quality

PUBLICATIONS - PEER-REVIEWED UNLESS OTHERWISE DESCRIBED (* denotes undergraduate)

2011

- Kyle, C. H.*, A. W. Kropf and R. L. Burks. 2011. Prime waterfront real estate: Apple snails choose wild taro for oviposition sites. *In press, Current Zoology*.
- Burks, R. L., S. A. Hensley* and C. H. Kyle*. 2011. Quite the appetite: juvenile island apple snails (*Pomacea insularum*) survive consuming only exotic, invasive plants. *In press, Journal of Molluscan Studies*.
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2010

- Burks, R. L., C. H. Kyle* and M. K. Trawick*. 2010. Pink Eggs and Snails: Field oviposition patterns indicate shallow aquatic systems susceptible to invasion by *Pomacea insularum*. *Hydrobiologia*, Shallow Lakes 2009 Special Volume 646: 243-251. DOI 10.1007/s10750-010-0167-1.

EDITORIAL SUMMARY:

Meerhoff, M., M. Beklioglu, R. Burks, F. García-Rodríguez, N. Mazzeo and B. Moss. 2010. Shallow Lakes: Preface. *Hydrobiologia* DOI 10.1007/s10750-010-0247-2.

2009

- Burks, R. L. and M. M. Chumchal. 2009. To Co-author or Not to Co-author: How to write, publish, and negotiate issues of authorship with undergraduate research students. *Sci. Signal*. 2 (94), tr3. [DOI: 10.1126/scisignal.294tr3] **PDF Available via RB website**
- Burks, R. L. 2009. A Kernel of Truth: Microwave popcorn makes it easier to teach basic statistics. *The L&O Bulletin* 18(2): 36-40. **PDF Available via RB website**
- Kyle, C. H.,* M. K. Trawick,* J. P. McDonough* and R. L. Burks. 2009. Population dynamics of an established reproducing population of the invasive apple snail (*Pomacea insularum*) in suburban southeast Houston, Texas. *Texas Journal of Science* 61(4): 1-5.

2008

- Barnes, M.A.*, R. K. Marfurt*, J. J. Hand and R. L. Burks. 2008. Fecundity of the exotic applesnail, *Pomacea insularum*. *The Journal of the North American Benthological Society* 28(3): 738-745 (with color photo). **PDF Available**
- Youens, A. K.* and R. L. Burks. 2008. Comparing applesnails with oranges: the need to standardize measuring techniques when studying *Pomacea*. *Aquatic Ecology* 42(4): 679-684. DOI: 10.1007/s10452-007-9140-0. **PDF Available**

- Boland, B.*, M. Meerhoff, C. Fosalba, N. Mazzeo, M. Barnes* and **R. L. Burks**. 2008. Juvenile snails, adult appetites: Contrasting resource consumption between two species of applesnails (*Pomacea*). *Journal of Molluscan Studies* 74(1): 47-54. [DOI: 10.1093/mollus/eym045.] **PDF Available**

2007

- **Burks, R. L.** and L. Boles. 2007. Evolution of the Chocolate Bar: A creative approach to teaching phylogenetic relationships within evolutionary biology. *The American Biology Teacher* 69(4): 229-237. **PDF Available**

EDITOR-REVIEWED BOOK REVIEW

Burks, R. L. 2007. Math for Wiser Decisions (a review of Rockwood's *Introduction to Population Ecology*). *BioScience* 57(3): 288-289.

2006

- **Burks, R. L.**, G. Mulderij, E. Gross, I. Jones, L. Jacobsen, E. Van Donk, and E. Jeppesen. 2006. Chapter 3 - Center stage: The Crucial Role of Macrophytes in Regulating Trophic Interactions in Shallow Lake Wetlands. Pages 37-59 in R. Bobbink, B. Beltman, J. T. A. Verhoeven, and D. F. Whigham (eds) *Wetlands: Functioning, Biodiversity Conservation, and Restoration*. Ecological Studies, Volume 191, Springer-Verlag Berlin Heidelberg.
- R. G. Howells, L. E. Burlakova, A. Y. Karatayev, R. K. Marfurt*, and **R. L. Burks**. 2006. Chapter 5 - Native and introduced Ampullaridae in North America: History, status and ecology. Pages 73-112 in R. C. Joshi (ed) *Global Advances in Ecology and Management of Golden Apple Snails*. Philippine Rice Research Institute (PhilRice), Philippines. **PDF available**

2005

- Lindquister, G., **R. L. Burks**, and C. R. Jaslow. 2005. Developing information fluency in introductory biology students in the context of an investigative laboratory. *Cell Biology Education* 4: 58-96. **PDF available**

2004

- Tuchman, N. C., **R. L. Burks**, C. A. Call, and J. J. Smarrelli. 2004. Flow rate and vertical position influence ingestion rates of colonial zebra mussels (*Dreissena polymorpha*). *Freshwater Biology* 49: 191-198. (revisions completed at SU)

2002

- **Burks, R. L.** and D. M. Lodge. 2002. Cued in: advances and opportunities in freshwater chemical ecology. *Journal of Chemical Ecology*. 28(10): 1881- 1897.
- **Burks, R. L.**, N. C. Tuchman, C. A. Call, and J. E. Marsden. 2002. Colonial aggregations: the effect of spatial position on zebra mussel responses to interstitial water quality. *Journal of the North American Benthological Society* 21(1): 64-75. **PDF available**
- **Burks, R. L.**, D. M. Lodge, E. Jeppesen and T. L. Lauridsen. 2002. Diel horizontal migration of zooplankton: costs and benefits of inhabiting littoral zones. *Freshwater Biology* 47: 343-366. **PDF available**

2001

- **Burks, R. L.**, E. Jeppesen and D. M. Lodge. 2001. Pelagic prey and benthic predators: impact of odonate predation on *Daphnia* among complex structure. *Journal of the North American Benthological Society* 20(4): 683-696. **PDF available**
- **Burks, R. L.**, E. Jeppesen and D. M. Lodge. 2001. Littoral zone structures as *Daphnia* refugia against fish predation. *Limnology and Oceanography* 46(2): 230-237. **PDF available**

2000

- **Burks, R. L.**, E. Jeppesen and D. M. Lodge. 2000. Macrophyte and fish chemicals suppress *Daphnia* growth and alter life history traits. *Oikos* 88(1): 139-147. **PDF available**

1999

- Lauridsen, T. L., E. Jeppesen, S.F. Mitchell, D. M. Lodge and R. L. Burks. 1999. Horizontal distribution of zooplankton in lakes with contrasting fish densities and nutrient levels. *Hydrobiologia* 408/409: 241-250.

MANUSCRIPTS IN PREPARATION

- Kyle, C. H.*, G. Dwyer, T. Shelton and R. L. Burks. Count your eggs before they invade: Models estimating egg number in clutches laid by invasive apple snails. Submission planned by 08/01/11, 1st choice *Ecological Modeling*; 2nd choice *J. Molluscan Studies*.
- Burks, R. L., M. E. Rice, A. K. Youens and M. A. Barnes. 'Eggstraordinary' reproduction: Water stress and excess nutrients control survival of island apple snail hatchlings (*Pomacea insularum*). Submission planned by 10/01/11 to *Freshwater Biology*.

EXTERNAL FUNDING

2010-2011	Sam Taylor Fund, United Methodist, \$2000, stable isotope analysis
2010	National Science Foundation, IRES Planning Grant (\$18,670)
2009	Sprouts Financial Support (\$50) for lettuce
2009	HEB Community Partnership (3 allotments of \$300 each) for lettuce
2007-2008	Sam Taylor Fund, United Methodist, \$2000, lab improvements
2001	The Ohio State University Postdoctoral Fellowship
1999-2000	National Science Foundation Fellowship (Graduate Research Training)
08/1999	Netherlands Institute of Ecology, Centre for Limnology, @ \$400
07/1999	American Scandinavian Foundation Research Grant, \$3,000
1998-1999	Fulbright Fellowship for Study in Denmark (DK), \$11,000
1999-2000	National Science Foundation Graduate Research Training Grant; \$2000 + salary

UNIVERSITY-SUPPORTED PROFESSIONAL ACTIVITY

2011:	Competitive Professional Development Funding (\$4300); \$1400 Non-competitive
2010:	Faculty-Student Collaborative Projects (\$15,455) Competitive Professional Development Funding (\$3260); \$1400 Non-competitive
2009:	3M San Gabriel River Trail Project: \$2500 for Civic Engagement Ecology course Faculty-Student Collaborative Projects (\$12,945) Sabbatical award funding (1 semester salary + \$4350) Non-competitive Faculty Development (\$1400)
2008:	Mundy Fellowship for Collaborative Research (\$9000) Cullen Faculty Funds for International Travel (\$3000), Shallow Lakes, Uruguay
2007:	Cullen Faculty Funds for International Travel (\$2000), SIL in Montreal Fleming Funds, Southwestern Undergraduate Research Group Experience Brown Fund for Innovation in Teaching, 2007 (\$1250)
2006:	Brown Junior Fellowship for Fall 2006 (3 course release + \$5000 in stipend and expenses)
2005:	Mundy Fellowship for Collaborative Research, 2005 (\$~4000) Fleming Funds, Biology Summer Research Program Participant, 2005, 2006
2004:	Cullen Faculty Fellowship, 2003-2004 (\$4700) • Presentation at INTECOL, Utrecht, The Netherlands, <i>Daphnia</i> research DK and Belgium
2003:	Faculty Development Enhance Grant (\$5000), Rhodes College
1997	Graduate Professional Development Fund (\$2300), UND

TRAVEL GRANTS

- Southwestern University Professional Development Travel Funds for Scientific Meetings
 - \$1400 for 2010/2011; \$1400 for 2009/2010; \$1500 for 2008/2009; \$1500 for 2007/08, \$1550 for 2007/06, \$1450 for 2006/05 and \$1400 for 2005/04
- Additional Southwestern University Professional Development Funds:
 - \$700 (Sept. 2008) for networking trip to Georgia Tech University in Atlanta, Georgia
 - \$315 (Sept. 2006) for NSF Meeting in Washington, D.C.
- ACS Environmental Summit at Morehouse College (Feb. 2005)
- ACS Keck Workshop on Improving Non-major Science Education (Nov. 2004)

- UND Biological Sciences, Graduate Professional Development Fund (6/2000), \$450
- North American Benthological Society General Endowment Fund (05/2000), \$300
- American Society of Limnology and Oceanography Grant (06/1998), \$400
- UND Gordon Grants: 5 grants (totalling \$1542 covering period of 02/1997 - 08/2000)
- UND Zahm Grant for international research travel to Denmark (06/1997), \$1250

PEDAGOGICAL INTERESTS

- Examining the integration between teaching and research
- The academic side of civic engagement
- Encouraging critical thinking analysis through hands-on activities with graphing and statistics
- Understanding the mentoring process

MENTORING EXPERIENCE (i.e. UNDERGRADUATE RESEARCHERS)

Current SU Students:

01/2011 - present	<i>Kevin Burge</i> , SU Senior Hatchling care in island apple snails
01/2011 - present	<i>Manuel Ortegon</i> , SU Junior Temperature effects on plant consumption
01/2011 - present	<i>Katie Gibson</i> , SU Senior Slow to act? Behavioural responses in island apple snails
04/2010 - present	<i>Tracy Day</i> , SU Senior Establishing trophic position of <i>P. insularum</i>
09/2009 - present	<i>Allyson Plantz</i> , SU Junior Egg predation by riparian predators
04/2009 - present	<i>Brandon O'Connor</i> , SU Senior Crayfish predation on hatchling apple snails

Past SU Students:

01/2009 - 05/2011	<i>Megan Rice</i> (BS Biology; 2011 Biology Student of the Year) Disturbing environments: post-hatching survival of apple snails; <i>1st year medical school student at Univ. Texas at Houston.</i>
04/2008 - 05/2010	<i>Matthew Trawick</i> (BA Environmental Studies; Minor Biology), Hatchling survival success versus water stress; <i>Second year MS Student at Texas Tech in Environmental Toxicology</i>
08/2008 - 05/2010	<i>Olivia Stanzer</i> (BS Biology), Persistence of pink: ecological role of ovorubin protein; <i>Starting Doctor of Physical Therapy program in Fall 2011</i>
04/2009 - 08/2010	<i>Alexis Kropf</i> , SU Junior, Relationship of fecundity & female snail size
08/2008 - 05/2009	<i>Scott Manusov</i> (BS Biology) Natural and induced aggregation patterns in <i>P. insularum</i> . <i>Chemistry Lab technician</i>
04/2007 - 05/2009	<i>James McDonough</i> (BS Biology), Field oviposition in <i>P. insularum</i> <i>Employment at UTAHSC</i>
01/2007 - 05/2009	<i>Colin Kyle</i> (BS Biology), Honors Student , Oviposition preference in the apple snail <i>P. insularum</i> . <i>3rd year Ph.D. student in quantitative ecology at University of Chicago</i>
08/2008 - 12/2008	<i>Dena Leerberg</i> , SU Junior, Intracohort competition in <i>Pomacea</i>
08/2006 - 5/2008	<i>Sarah Hensley '08</i> (BS Biology), Juvenile consumption of exotic plants. <i>Fourth year Ph.D. student in microbiology at Univ. Massachusetts Amherst.</i>
04/2006 - 05/2007	<i>Abby Youens '07</i> (BA Biology), Growing at a Snail's Pace: Juvenile growth patterns. <i>Completed M.S. Public Health at UTHSC Houston; now employed</i>
08/2004 - 05/2007	<i>Brandon Boland '07</i> (BS Biology), Paideia Scholar, Understanding mechanisms behind food choice in the channelled applesnail species. <i>Third year Ph.D. student in molecular biology at University of Chicago</i>
05/2005 - 06/2006	<i>Matthew Barnes</i> (BA Biology), '06, Honors Student , The Snail and the Egg: understanding the egg-hatchling transition in apple snails. <i>Sixth year Ph.D. student in aquatic ecology at University of Notre Dame.</i>

- 08/2004 - 05/2005 **Cathy Duong** (BA Biology), '06, DU, Paideia Scholar, Temperature and chemical cues influences on diel horizontal migration of *Daphnia*.
Employed at corporate real estate firm working with tenants.
- 08/2003 - 05/2005 **Rebecca Marfurt** '05 (BA Environmental Studies), SU, Life history and ecological impacts of the exotic channelled apple snail, *Pomacea "canaliculata (now P. insularum)."* M.S. *Aquatic Ecology at Texas State.*
Employed at Oklahoma Department of Environmental Quality.
- 08/2003 - 08/2005 **Austin Hill** '05, SU, Investigating potential dual effects of pesticides and chemical cues on *Daphnia* growth and reproduction. *Finished M.S. in Conservation Biology at Texas State.*

EXTERNAL GRANTS FUNDED BY UNDERGRADUATES

- Plantz:** 2010 Sigma Xi Grants-in-Aid (**\$800 awarded**); 2011 Texas Academy of Sciences Research Award (**Funded for \$1500**);
- Stanzer:** 2009 Sigma Xi Grants-in-Aid (**\$400 awarded**)
- Leerberg:** 2008 Sigma Xi Grants-in-Aid (\$1000 awarded, later declined); Texas Society of Native Plants (\$500 awarded; later declined)
- Kyle and McDonough:** 2008 Texas Academy of Sciences Research Award (**Funded for \$1000**); student collaborators for Mundy Faculty Fellowship (**Funded for ~\$9000**)
- Barnes/Boland:** 2006 Texas Academy of Sciences Research Award (**Funded for \$750 each**)

AWARDS EARNED BY UNDERGRADUATES

- 2010:** Colin Kyle '09, Travel Grant to Ecological Society of America to present undergraduate research. Funded by Strategic Environmental Research and Development Program, Department of Defense.
- 2010:** Colin Kyle '09, National Science Foundation Graduate Research Fellowship
- 2010:** Matt Trawick, Outstanding Oral Presentation in the Collegiate (i.e. Undergraduate) Academy at the Texas Academy of Sciences, Tarleton State University. \$300 presented; Best Abstract in Freshwater Ecology Section; \$100 presented
- 2009:** Matt Trawick, Olivia Stanzer, Brandon O'Connor, Ryan Saurage, Allyson Plantz and Jessilyn Massey. \$2950 from King Creativity Grant for documentary about invasive species and public perceptions: "Snakes, Snails and Yuppie Tales"
- 2008:** Sarah Hensley, Honorable Mention for Best Oral Presentation in the Collegiate (i.e. Undergraduate) Academy at the Texas Academy of Sciences, Texas A&M Corpus Christi. \$50 presented to student.
- 2006:** Brandon Boland, Outstanding Oral Presentation in the Collegiate (i.e. Undergraduate) Academy at the Texas Academy of Sciences, Lamar University. \$300 presented to student.
- 2005:** Rebecca Marfurt, Travel Award (\$285) to the Freshwater Mollusk Conservation Society Meeting in St. Paul, MN.

PEDAGOGICAL WORKSHOPS GIVEN

- August 2010: REEFS (Resources for Ecology & Education: Fair and Share) Presentation of Wetland Ecology and Policy, Ecological Society of America annual meeting, Pittsburgh, PA
- March 2010: Teaching Tips and How to Write and Publish with Undergraduates; Texas Academy of Sciences, Tarleton State University
- March 2008 & November 2008: "Increase Your "Teach"nology: The Course Management System Sakai as a potential REAL time saver, paper preserver & student pleasing teaching tool." Brown Bag Workshop, Southwestern University.
- April 2008, Invited panelist, "State of the Faculty: How is the faculty of the liberal arts changing and what does this mean in relationship to their engagement with information technology?" Instructional Technology Leaders Conference, Washington & Lee University
- June 2006 & July 2005, SPSS and Basic Statistics Workshop. Centre College and St. Olaf College, respectively, Recruited by Associated Colleges of the South and NITLE

PEDAGOGICAL GRANTS

2010	Vicente Villa Summer Scholars Program Mentor, \$4,500
2010	Faculty Support, ACS Faculty Renewal Grant, \$8,500
02/2003	Guest Speaker: Raising Campus Awareness about the Interaction between Science & Policy (\$946). Environmental Alliance
03/2000	JumpStart Initiative (3/2000); UND Educational Technology Services, \$1000
Spring 2001	Lilly Fellows Program for the Humanities and Arts, Regional Conference Funding to the TA Program, \$5000

COURSES TAUGHT AT SOUTHWESTERN (including Spring 2011)

Wetland Ecology and Policy (cross-listed with Environmental Studies; Fall 2010)
 Paideia Seminar (4 semesters)
 First Year Seminar: Multi-chocolated: An Aesthetic, Historical and Scientific Journey into the Wonders of Chocolate (3 sections)
 Methods in Ecology and Evolution (8 sections)
 Introduction to Animal Behavior (1 hour course; 3 sections)
 Ecology (3 sections at SU)
 Senior Seminar: Aquatic Invasive Species (1 section at SU)
 Biodiversity (20 sections)
 Invertebrate Ecology (4 sections at SU)
 Environmental Science (POK) (4 sections at SU)
 First Year Seminar Wet N' Wild: Wetland Science in a Changing Landscape (2 sections at SU)

INVITED PLENARY OR TUTORIAL ADDRESSES

- **R. L. Burks.** October 2010. Everything I needed to know about BIO2010 I learned from snails. Plenary Address. Association of College and University Biology Educators. Lourdes College, Sylvania, Ohio.
- **R. L. Burks.** December 2008. If every species is a magic well, what can we learn from them? Plenary, IX Jornadas De Zoologia del Uruguay, Facultad de Ciencias, Montevideo, Uruguay.
- **R. L. Burks.** November 2008. If every species is a magic well, how do we get to the bottom of biodiversity issues in shallow lakes. Tutorial: Invasive Species and Diversity. 2008 International Shallow Lakes Meeting, Punta del Este, Uruguay.
- **R. L. Burks.** May 2002. Littorally complex: linkages between structural, chemical, and behavioural food web interactions in littoral zones. 2002 International Shallow Lakes Meeting, Balatonfured, Hungary.

NATIONAL OR INTERNATIONAL CONFERENCE PRESENTATIONS

Category 1: INVITED PAPERS OR SPECIAL SESSIONS (* denotes undergraduate author, oral presentation unless otherwise noted, underline represents presenting author if not R. L. Burks)

1. **Burks, R. L.,** O. D. Stanzer*, M. E. Rice*, A. L. Plantz*, A. W. Kropft* and C. H. Kyle*. November 2010. Synthesizing studies of the island apple snail (*Pomacea insularum*) egg clutches to reveal ecological insights. Invited oral presentation. 4th International POMACEA Meeting. Tucuman, Argentina.
2. McDonough, J. P.*, C. H. Kyle* and **R. L. Burks.** November 2008. Pink eggs and snails: oviposition patterns of *Pomacea insularum* that may indicate areas susceptible to invasion. Poster presentation, 2008 International Shallow Lakes Meeting, Punta del Este, Uruguay.
3. Kyle, C. H.*, J. P. McDonough* and **R. L. Burks.** November 2008. Location, location, location: oviposition preferences of the exotic, invasive applesnail, *Pomacea insularum*.
4. **Burks, R. L.** August 2008. Who's On First?: How to negotiate issues about authorship and writing abilities of undergraduates when writing papers for publication. Special Session "Mentoring Future Ecologists at Small Liberal Arts Colleges through Research." Ecological Society of America, Milwaukee, WI.
5. **Burks, R. L.,** M. A. Barnes, J. Hand, A. K. Youens* and S. A. Hensley*. August 2007. Bad Eggs: An investigation of how natural variability, submersion, and predation may act together to determine the fate of eggs laid by exotic applesnails, *Pomacea insularum*. Oral presentation,

- Special Session “Ecology and Ecotoxicology of Invasive Species in Inland Waters,” 30th Congress of the International Association of Theoretical and Applied Limnology.
6. **Burks, R. L.**, B. B. Boland*, M. A. Barnes*, M. Meerhoff, C. Fosalba and N. Mazzeo. May 2006. The Tale of Two Snails: Comparing and contrasting the ecological roles of a natural versus exotic population of *Pomacea*. Oral Presentation in Applesnail Session. International Conference on Aquatic Invasive Species, Key Biscayne, FL.
 7. Hill, A. E.* and **R. L. Burks**. February 2005. What doesn't kill you...may give cues to survival: N vs. P pesticides uniquely impact reproduction in *Daphnia magna* at different scales. American Society of Limnology and Oceanography (ASLO) Aquatic Sciences Meeting. Poster Presentation in Special Session in Undergraduate Research. Salt Lake City, UT.
 8. **Burks, R. L.**, H. Michels, M. D. G. Sagrario, and E. Jeppesen. February 2005. Spineless...but not wimpy: Invertebrate predator *Chaoborus* prompts diel horizontal migration of large-bodied *Daphnia*. ASLO Aquatic Sciences Meeting. Poster Presentation, Special Session: The Role of Zooplankton Predator-Prey Interactions in Structuring Plankton Communities. SLC, UT.
 9. **Burks, R. L.** July 2004. Hierarchical responses by *Daphnia* to multiple cues in shallow lakes. INTECOL - International Wetlands Conference. Invited Special Session: Macrophytes & lakes. Utrecht, The Netherlands.
 10. **Burks, R. L.** February 2003. Cues, cues and more cues. *Daphnia* swim away from *Chaoborus*, crushed-up conspecifics and pelagic lake water chemical cues. American Society of Limnology and Oceanography (ASLO) Aquatic Sciences Meeting, Special Session: Tribute to John Gilbert. Salt Lake City, UT.
 11. **Burks, R. L.**, A. C. Haines*, and D. M. Lodge. June 2002. Do littoral and pelagic zones 'smell' different? *Daphnia* behavioral responses to chemical cues from whole lake zones, macrophytes and multiple predators. Poster Presentation in Special Session: Habitat Coupling. ASLO. Victoria, British Columbia.
 12. **Burks, R. L.**, E. Jeppesen and D. M. Lodge. June 2000. *Daphnia* in littoral zones: costs and benefits associated with diel horizontal migration in shallow lakes. Invited Oral Presentation, Special Session: The role of aquatic macrophytes in lakes. ASLO. Copenhagen, Denmark.
 13. **Burks, R. L.**, E. Jeppesen and D. M. Lodge. May 2000. Planktivorous fishes indirectly enhance prey resources (*Daphnia*) for predacious benthic macroinvertebrates. Invited Presentation, Special Session: The role of fish in benthic food webs. North American Benthological Society (NABS), Colorado.
 14. **Burks, R. L.**, E. Jeppesen and D. M. Lodge. May 1999. Responses of pelagic and littoral macroinvertebrates to fish cue and foraging in experimental mesocosms. Special Session: Benthic-Pelagic Linkages, NABS, Duluth, Minnesota.
 15. **Burks, R. L.**, E. Jeppesen and D. M. Lodge. October 1998. Chemicals from macrophytes depress *Daphnia* growth in shallow lakes. Invited Presentation. Oikos Nordic Ecology Symposium, Lund, Sweden.
 16. **Snively, R. L.** (maiden name) and D. M. Lodge. February 1997. Littoral zone structures reduce *Daphnia* mortality due to fish predation. Special Session: Fish-Zooplankton Interactions. ASLO Aquatic Sciences, Sante Fe, New Mexico, USA.

Category 2: CONTRIBUTED PAPERS AT NATIONAL OR REGIONAL CONFERENCE

(* denotes undergraduate author, underline indicates presenting author if not R. L. Burks)

1. Liebl, M.*, K. Roberts*, S. Pukys and **R. L. Burks**. March 2011. Get SMaRT: Introduction of Science and Math Achiever Teams. Oral Presentation, Texas Academy of Science, St. Edward's University, Austin, TX.
2. Plantz, A. L.* and **R. L. Burks**. March 2011. Incredible, edible eggs: Predation of apple snail (*Pomacea insularum*) eggs by a native, riparian predator, the red-eared slider (*Trachemys scripta elegans*). Oral Presentation, Texas Academy of Science, St. Edward's University, Austin, TX.
3. Rice, M. E.* and **R. L. Burks**. March 2011. Disturbing environments: Nutrient enrichment negatively impacts water stressed *Pomacea insularum* hatchlings. Oral Presentation, Texas Academy of Science, St. Edward's University, Austin, TX.
4. Kyle, C.H.*, G. Dwyer, T. Shelton and **R. L. Burks**. August 2010. Count your eggs before they invade: Models estimating egg number in clutches laid by invasive apple snails. Poster Presentation, Ecological Society of America, Pittsburgh, PA.

5. **Burks, R. L.**, C. H. Kyle* and M. M. Meerhoff. June 2010. Paint the littoral pink: native *Pomacea canaliculata* clutches present power of reproduction for invasive apple snails. Poster Presentation, Joint Meeting of American Society of Limnology and Oceanography and the North American Benthological Society, Sante Fe. NM.
6. **Kropf, A.*** and **R. L. Burks**. March 2010. Size doesn't matter for exotic female snails (*Pomacea insularum*) in terms of fecundity. Poster Presentation, Texas Academy of Science, Stephenville, TX.
7. **Trawick, M. K.*** and **R. L. Burks**. March 2010. Waterlogged: Egg maturity mitigates effects of water stress on reproductive efforts of a freshwater invasive apple snail (*Pomacea insularum*). Oral Presentation, Texas Academy of Science, Stephenville, TX.
8. **Stanzer, O. D.*** and **R. L. Burks**. March 2010. The persistence of pink: Perivitellin fluid fails to protect (*Pomacea insularum*) eggs from predation. Oral Presentation, Texas Academy of Science, Stephenville, TX.
9. **Burks, R. L.** and J. Van Dyke. August 2009. Not a slow snail: Rapid rise of environmental awareness and ecological insights regarding invasive island applesnails (*Pomacea insularum*). Wetlands Session. Ecological Society of America. Albuquerque, New Mexico, USA.
10. **Trawick, M. K.***, A. K. Youens*, S. A. Hensley*, M. A. Barnes* and **R. L. Burks**. May 2009. Stay out of the water: Hatching efficiency and short term survival of an invasive apple snail. Poster Presentation, North American Benthological Society, Grand Rapids, MI.
11. **McDonough, J.P.***, C. H. Kyle* and **R. L. Burks**. March 2009. Pink Eggs and Snails: Field oviposition patterns of *P. insularum* that may identify wetlands or shallow lakes susceptible to invasion. Oral Presentation, Texas Academy of Science, Junction, Texas.
12. **Kyle, C.H.***, J. P. McDonough and **R. L. Burks**. March 2009. Location, location, location: oviposition preferences of the exotic, invasive applesnail, *Pomacea insularum*. Oral Presentation, Texas Academy of Science, Junction, Texas.
13. **Trawick, M. K.*** and **R. L. Burks**. March 2009. Wetter isn't better: Effects of disturbance on *Pomacea insularum* hatching efficiency. Oral Presentation, Texas Academy of Science, Junction, Texas.
14. **Burks, R. L.**, S. A. Hensley*, C. H. Kyle* and J. P. McDonough. May 2008. What are invasion meltdowns made of: Maybe eggs and snails and elephant tails (or ears)? Poster Presentation, North American Benthological Society, Salt Lake City, UT.
15. **Hensley, S.***, C. H. Kyle*, J. P. McDonough* and **R. L. Burks**. March 2008. Small snails grow up fast: Feeding preferences, habitat choice and growth of juvenile applesnails (*Pomacea insularum*) in the presence of *Procambarus clarkii*. Oral Presentation, Texas Academy of Science, Corpus Christi, Texas.
16. **Kyle, C. H.***, J. P. McDonough and **R. L. Burks**. March 2008. Location, Location, Location: Laboratory experiment shows invasive *P. insularum* chose elephant ear as oviposition sites. Oral Presentation, Texas Academy of Science, Corpus Christi, Texas.
17. **McDonough, J. P.***, C. H. Kyle and **R. L. Burks**. March 2008. Pink Eggs and Snails: Comparison of field and lab oviposition behavior in *Pomacea insularum*. Oral Presentation, Texas Academy of Science, Corpus Christi, Texas.
18. **Youens, A. K.***, B. B. Boland* and **R. L. Burks**. March 2007. Growing at a Snail's Pace: Negative impacts of salinity and high density on growth measures of *Pomacea insularum*. Oral Presentation, Texas Academy of Science, Waco, Texas.
19. **Boland, B. B.***, A. K. Youens*, M. Meerhoff, C. Fosalba, N. Mazzeo and **R. L. Burks**. March 2007. Juvenile Snails, Adult Appetites: Contrasting resource consumption between two species of applesnails. Oral Presentation, Texas Academy of Science, Waco, Texas.
20. **Barnes, M. A.***, A. K. Youens*, S. A. Hensley* and **R. L. Burks**. March 2007. In Too Deep: Egg clutch water exposure may suppress hatching and increase increase conspecific predation of eggs in the potentially invasive applesnail, *Pomacea insularum*. Oral Presentation, Texas Academy of Science, Waco, Texas.
21. **Barnes, M.A.***, B. B. Boland*, M. Meerhoff, C. Fosalba, N. Mazzeo, and **R. L. Burks**. June 2006. That's the way the egg hatches: Determining patterns in egg size, clutch variability, and hatchling emergence in an exotic versus native population of applesnails. Poster Presentation, North American Benthological Society, Anchorage, AK.

22. Boland, B.* , M. Meerhoff, C. Fosalba, N. Mazzeo, and R. Burks. June 2006. Distinct palettes: feeding preferences between native and exotic applesnail populations and the implications for invasion. Poster Presentation, North American Benthological Society, Anchorage, AK.
23. Boland, B.* , M. Meerhoff, C. Fosalba, N. Mazzeo, and R. Burks. March 2006. Distinct palettes: Feeding preferences between native and exotic applesnail populations. Oral Presentation, Texas Academy of Science, Beaumont, TX.
24. Barnes, M. A.* and R. L. Burks. March 2006. The Snail or the Egg? Early life history factors contribute to invasive success of applesnails. Oral Presentation, Texas Academy of Science, Beaumont, TX.
25. Marfurt, R. K.* , B. Boland* , and R. L. Burks. June 2005. Life history variation in invading applesnails (*Pomacea canaliculata*) may pose ecological threat to wetlands. Poster Presentation at North American Benthological Meeting, New Orleans, LA.
26. Marfurt, R. K.* and R. L. Burks. May 2005. Invaders from the South: Ecology of the Channeled Applesnail. Poster Presentation at Freshwater Mollusk Conservation Society, St. Paul, MN.
27. Marfurt, R. K.* and R. L. Burks. February 2005. Invaders from the South: Ecology of the Channeled Applesnail. Oral presentation for Associated Colleges of the South Environmental Summit, Atlanta, GA.
28. Haines, A. C.* , R. L. Burks and D. M. Lodge. June 2001. Impact of chemical cues from odonates fed different diets on daphnid growth and reproduction. Poster Presentation, NABS, La Crosse, Wisconsin.
29. Burks, R. L., E. Jeppesen and D. M. Lodge. August 1998. Chemicals from macrophytes and fishes depress *Daphnia* growth in shallow lakes. Poster Presentation, Shallow Lakes '98 Conference, Blossin, Germany.
30. Beklioglu, M., F. Landkildehus, E. Jeppesen, M. Søndergaard, O. Ince and R. L. Burks. August 1998. Diel changes in distribution of plant-associated microcrustaceans at contrasting densities of 0+ perch (*Perca fluviatilis*) and macrophytes. Oral Presentation, Shallow Lakes '98 Conference, Blossin, Germany.
31. Lauridsen, T. L., E. Jeppesen, S. Mitchell, D. M. Lodge and R. L. Burks. August 1998. Horizontal distribution of zooplankton in lakes with contrasting fish densities and nutrient levels. Oral Presentation, Shallow Lakes '98 Conference, Blossin, Germany.
32. Burks, R. L., E. Jeppesen and D. M. Lodge. June 1998. Chemicals from macrophytes and fishes suppress *Daphnia* growth in shallow lakes. Poster presentation. Trophic Interactions. ASLO and The Ecological Society of America (ESA) Joint Meeting, St. Louis, MO, USA.

OTHER INVITED LECTURES AND PRESENTATIONS

1. R. L. Burks. Two snails are not better than one: Basic ecology suggests that the invasive potential of the island apple snail, *Pomacea insularum*, could surpass its more notorious relative, *P. canaliculata*. Department of Limnology, Lund University, Sweden, March 2010.
2. R. L. Burks. The light and dark side of buying good chocolate. Midland Country Club. February 2010.
3. R. L. Burks. The Wonders of Chocolate. University of Mary Hardin Baylor. February 2009.
4. R. L. Burks. The Wonders of Chocolate in the Liberal Arts. Midland, TX. April 2008.
5. R. L. Burks. Tale of Two Snails. March 2006, Baylor University. October 2006. Loyola University Chicago.
6. R. L. Burks and M. A. Barnes.* Feb. 2006. Tale of Two Snails. Rice University.
7. R. L. Burks. December 2005. Going from Top to Bottom: Connecting Lessons Learned from Research with *Daphnia* and Snails. Facultad de Ciencias, Universidad de Republica de Montevideo, Uruguay.
8. R. L. Burks and R. Marfurt. March 2005. Abiotic and biotic life history influences on the channelled applesnail (*Pomacea canaliculata*). United States Department of Agriculture Mollusk Action Plan Working Group Meeting. Houston, TX.
9. R. L. Burks. March 2004. What about the flipside? Reorienting one's view of *Daphnia* migration in shallow lakes. Texas State University.
10. R. L. Burks. 2002/3 Littorally complex: Understanding food web interactions in shallow lakes (Bucknell University, Muhlenberg College, Oglethorpe University, Rowan University, University of Central Arkansas, Southwestern University, University of Tampa).

11. **R. L. Burks**. 2002. To Switch or Not To Switch? How *Daphnia* and aquatic plants act to stabilize alternative stable states in lakes. Austin College.
12. **R. L. Burks**. 2001. *Daphnia* in littoral zones: potential costs and benefits associated with diel horizontal migration in shallow lakes. University of Memphis.

ON-CAMPUS PRESENTATIONS (bold indicates presenters; * denotes undergraduate author)

1. **Plantz, A. L.*** and **R. L. Burks**. March 2011. Incredible, edible eggs: Predation of apple snail (*Pomacea insularum*) eggs by a native, riparian predator, the red-eared slider (*Trachemys scripta elegans*). Talk/Oral Presentation, From Every Voice, Southwestern University Annual Symposium (FEV-SUS).
2. **Rice, M. E.*** and **R. L. Burks**. March 2011. Disturbing environments: Nutrient enrichment negatively impacts water stressed *Pomacea insularum* hatchlings. Talk, FEV-SUS.
3. **Kropf, A.*** and **R. L. Burks**. March 2010. Size doesn't matter for exotic female snails (*Pomacea insularum*) in terms of fecundity. Poster, FEV-SUS.
4. **Stanzer, O. D.*** and **R. L. Burks**. April 2010. The Persistence of Pink: Perivitellin fluid fails to protect *Pomacea insularum* eggs. Talk, FEV-SUS.
5. **Trawick, M. K.*** and **R. L. Burks**. April 2010. Waterlogged: Maturity mitigates effects of water stress on reproductive efforts of an invasive freshwater snail (*P. insularum*). Talk, FEV-SUS.
6. **Trawick, M. K.*** and **R. L. Burks**. April 2009. Wetter isn't Better: Effects of Stress on *Pomacea insularum* egg clutches. Talk, F, FEV-SUS.
7. **Manusov, S.*** and **R. L. Burks**. April 2009. Getting Closer: Investigating natural & induced aggregation in apple snails (*Pomacea insularum*). Poster, FEV-SUS.
8. **Stanzer, O. D.*** and **R. L. Burks**. April 2009. The Persistence of Pink: Potential ecological influences of ovorubin in egg clutches of *Pomacea insularum*. Poster, FEV-SUS.
9. **Thomas, A. G.***, **S. Pukys** and **R. L. Burks**. April 2009. Ecology in the Public Sphere: Hands-on experience accruing bioassessment data of local stream system. Poster, FEV-SUS.
10. **Hensley, S. A.***, **C. H. Kyle***, **J. P. McDonough*** and **R. L. Burks**. April 2008. Small snails grow up fast: Feeding preferences, habitat choice and growth of juvenile applesnails (*Pomacea insularum*) in the presence of *Procambarus clarkii*. Talk, FEV-SUS.
11. **Kyle, C. H.***, **J. P. McDonough*** and **R. L. Burks**. April 2008 and 2009 versions. Location, Location, Location: Laboratory experiment shows invasive *P. insularum* chose elephant ear as oviposition sites. Talk, FEV-SUS.
12. **McDonough, J. P.***, **C. H. Kyle*** and **R. L. Burks**. April 2008 and 2009 versions. Pink Eggs and Snails: Comparison of field and lab oviposition behavior in *Pomacea insularum*. Talk, FEV-SUS.
13. **J. P. McDonough***, **C. H. Kyle***, and **R. L. Burks**. July 2007. The Flow of Research: in Aquatic Ecology: How ecologists reach a research question. Poster presentation. Southwestern Undergraduate Research Group Experiences (SURGE) Banquet.
14. **Kyle, C. H.***, **J. P. McDonough*** and **R. L. Burks**. July 2007. Pink Eggs and Snails: Oviposition behavior in *Pomacea insularum*. Poster presentation. Southwestern Undergraduate Research Group Experiences (SURGE) Banquet.
15. **Boland, B. B.*** and **R. L. Burks**. April 2007. A World Apart. Biology Oral Capstone Presentation, Biology Seminar Series.
16. **Youens, A. K.*** and **R. L. Burks**. April 2007. Moving to Houston: The exotic invasive applesnail *Pomacea insularum*. Biology Oral Capstone Presentation, Biology Seminar Series.
17. **Youens, A. K.***, **B. B. Boland*** and **R. L. Burks**. July 2006. Growing at a Snail's Pace: Negative impacts of salinity and high density on growth measures of *P. insularum*. Poster Presentation. SU Biology Summer Research Program Banquet.
18. **Boland, B. B.***, **A. K. Youens*** and **R. L. Burks**. July 2006. Dinner for two, but hold the salt: Resource assimilation by juvenile *P. insularum* changes under salinity and density stressors. Poster Presentation. SU Biology Summer Research Program Banquet.
19. **Barnes, M. A.*** and **R. L. Burks**. April 2006. The Snail or the Egg? Early life history factors contribute to invasive success of applesnails. Oral Presentation, SU Undergraduate Research and Creative Works Symposium.
20. **Boland, B.***, **M. Meerhoff**, **C. Fosalba**, **N. Mazzeo**, and **R. L. Burks**. April 2006. Distinct palettes: Feeding preferences between native and exotic applesnail populations. Oral Presentation, SU Undergraduate Research and Creative Works Symposium.

21. **Burks, R. L., M. A. Barnes*** and **B. B. Boland***. April 11th 2006. A Tale of Two Snails: Collaborative research experiences with applesnails. Board of Visitors.
22. **Burks, R. L., M. A. Barnes*** and **B. B. Boland***. February 2006. A Tale of Two Snails and Two Biologists: Insights gained by studying Texas and Uruguayan populations of applesnails. Biology Seminar Series.
23. **Barnes, M. A.*** and **R. L. Burks**. July 2005. Growth under Pressure: Effects of predator cues on egg clutch efficiency and hatchling growth of the Channeled Applesnail, *Pomacea "canaliculata."* SU Biology Summer Research Program.
24. **Boland, B. B.*** and **R. L. Burks**. July 2005. Getting it to "Gel": Developing field and laboratory assay methods to investigate invasive channeled applesnails. Poster Presentation. SU Biology Summer Research Program Banquet.
25. **Marfurt, R. K.*** and **R. L. Burks**. April 2005. Abiotic and biotic influences on the life history of the Channeled Applesnail (*Pomacea canaliculata*). Oral Presentation. SU Undergraduate Research and Creative Works Symposium.
26. **Hill, A. E.*** and **R. L. Burks**. April 2005. What doesn't kill you...may give cues to survival: N vs. P pesticides uniquely impact reproduction in *Daphnia magna* at different scales. Poster Presentation. SU Undergraduate Research and Creative Works Symposium.
27. **R. L. Burks**. April 2004. Taking the Red Pill: A Journey into Ecoinformatics. Biology Seminar Series.

ON-CAMPUS PRESENTATIONS by students only

1. **Massey, J.*, B. O'Connor*, A. Plantz*, R. Saurage*, O. Stanzer* and M. Trawick***. April 2010. Snakes, Snails and Yuppy Naturalist Tails: A Video Documentary of the Response of Biological Invasion in Texas and Florida. King Creativity Symposium.
2. **Trawick, M. K.*, A. Kropf* and V. Toro.*** Oct. 2009. You've got snail! Recent invasion of the Everglades by *Pomacea insularum*. Biology Seminar Series, Southwestern University.
3. 4 High School Students. July 16th 2010. Solving the Crazy Apple Snail Mystery. Poster Presentation, Vicente Villa Summer Scholars Program.
4. 3 High School Students. July 31st 2010. Crazy Snail, Exotic Pet or Both? PowerPoint and Video Presentation, Vicente Villa Summer Scholars Program.

UNIVERSITY SERVICE - Southwestern University

2011 - 2013	Awards Committee
2002 - current	<i>Phi Beta Kappa</i> Committee, 2010-2011 President
2010, 2011	Search Committee Member, Environmental Studies Tenure-Track position
2009	Search Committee Member, Environmental Studies ACS/Mellon Postdoc
Jan 2008	Road Scholar, San Antonio
Nov 2007	Homecoming Lecture: The Wonders of Chocolate for Development Event
2007 - 2009	Budget Advisory Committee
2007	Search Committee Mathematics, Outside Member
2006 - 2009	Natural Sciences Division Secretary
2006 - 2007	Integrated Marking and Advisory Board
2005 - 2007	Cullen Faculty Development Committee
2005 - 2008	Intercultural Perspective Committee
2002 - 2006	Environmental Studies Program Committee (completed 5-year review)

DEPARTMENTAL SERVICE - Southwestern University

- Biology Assessment Exam Coordinator; Webmaster for Department sites
- Creator and Publisher of *BioScope*, Biology Department newsletter (17 issues as of 04/10)
- Participant in Biology Department 5-year and 10-yr Reviews, Curricular Reform and Grant Preparations for Howard Hughes Grant and three Search Committees
- Capstones:
 - Anna Frankel '09, Alonzo Thomas '09, Rachael Manly '09, Kayla Odom '10
 - Research Advisor (see previous list):
 - Ecology/Invertebrate Ecology Capstone Advisor: Jason Jones '07, Josh Weinstein '07, Josh Watson '08, Jean Herberger '08 and Jacob Dickson '08

- Internship Capstone: Amanda Mohammed '08; Capstone Committee: Jana Marshall, Aaron Guel; ES Intern Supervisor: Sarah Wolters, Courtney Bleche

COMMUNITY SERVICE

- Free School, Chocolate 101
- Biology Alumni Advisory Board, Loyola University Chicago (November 2007 - present)
- Professional Mentor for Meg Fencil, 5th yr graduate student from UT Marine Science Institute (07/2007-05/2008)
- SMArTeams Outreach Program, Georgetown (Spring 2007 -present)
- Question & Answer Session, Liberal Phrases: Language lessons from life on the tenure track at a small liberal arts college (Oct. 2006, University of Notre Dame)
- Guest lecture on Biodiversity and Texas, Houston-Tillotsen (Oct. 2005)
- DIALOG Panel, Careers within and beyond Academia, Salt Lake City, Utah (Feb. 2005)
- Member, Biology Action Team, Williamson County, TX (appointed Spring 2005)
- Mentor, Georgetown High School Senior Capstone (Spring 2004)
- Panelist, How to Land an Academic Job, University of Texas, August 2003
- Results Analyst, Information Fluency Survey for General Biology Curriculum, Summer 2002,
 - Associated Colleges of the South Grant (PI = G. Lindquister)

PROFESSIONAL MEMBERSHIPS

- 2009 - present, *American Association for the Advancement of Science*, member
- 2005 - present, *Sigma Xi* Research Society elected member
- 2004 - present, Texas Academy of Sciences member
 - 2011, President
 - 2010, President-Elect
 - 2009, Vice President
 - 2007, Chair for Marine and Freshwater Section
 - 2006, Vice-Chairperson for Marine and Freshwater Ecology Section
- 2004 - 2007, National Association of Biology Teachers member
- 1997 - 2008, American Society of Limnology and Oceanography:
 - 2005-2007, Meetings Committee
 - 2001-present, Student Poster Judge
 - 1997 - 1999 ASLO Endowment Committee Member
- 1997 - present, Ecological Society of America (ESA) member
 - 2010-2011, RUI Section Chair
- 1992 - present, North American Benthological Society (NABS) member:
 - Mentor for graduate students
 - 2006, Appointed Sponsorship Committee (2007-2009 Chair)
 - 2002, International Profile Committee
 - 2001, Organized Student Presentation Judging
 - 2001-present, Student Presentation Judge (orals and posters)
 - 1999, Appointed member of the NABS Long-Range Planning Committee
 - 1998 - 1999 Chairperson, NABS Graduate Resources Committee (GRC)
 - 1996 - 1997 NABS Endowment Festivities Coordinator
 - 1996 Co-founder, NABS GRC to address student concerns, 3 year member
- 2002 - 2004, American Institute of Biological Sciences member
- 2001 - 2003, Council for Undergraduate Research (CUR) member
- 2001 - 2003, Tennessee Academy of Sciences (TAS) member
- 1999 -2003, Association of Women in Science (AWIS) member
- 1999 - 2002, American Scandinavian Foundation (ASF) member
- 1999 - 2002, Fulbright Alumni Association member

EDITORIAL RESPONSIBILITIES: *Freshwater Biology (Board); The American Midland Naturalist (Associate Editor)*

REVIEWER ACTIVITIES (JOURNALS)- *Animal Behaviour (new)*, *Biological Invasions*, *Diversity and Distributions*, *Fresenius Environmental Bulletin*, *Archiv für Hydrobiologie*, *Canadian Journal of Fisheries and Aquatic Sciences*, *Ecology*, *Ethology*, *Freshwater Biology*, *Frontiers in Ecology and Evolution*, *Functional Ecology*, *Hydrobiologia*, *Journal of Chemical Ecology*, *Journal of Ecology (new)*, *Journal of Experimental Marine Biology and Ecology*, *Limnology and Oceanography*, *Marine & Freshwater Research*, *Tropical Biology*, *Wetlands*

REVIEWER ACTIVITIES (GRANTS)-*Ecology Program*, *National Science Foundation*, *Estonia Research Foundation*, and *US Fish and Wildlife Service*

PEDAGOGICAL - *John Wiley & Son*, *Current Contents*, *Pearson (new: Campus Ecology)*, *Sinauer Publishing (Cain's Ecology)*, *ETS*, *McGraw Hill (Brooker's Biology)*

PUBLISHING COMPANIES: *University of Chicago Press*

REPRESENTATIVE MEDIA COVERAGE -

General Publicity: Who's Who at Southwestern: <http://www.southwestern.edu/whoswho-archive/0507fac.html> and 12/05

Teaching:

- 06/15/2010: Insects on the Menu (about entomophagy in Invertebrate Ecology course)
 - <http://southwestern.edu/live/news/5281-insects-on-the-menu>
- 09/16/2010: Snacking on Homework (about using microwave popcorn to teach statistics)
 - <http://www.southwestern.edu/newsroom/story.php?type=news&id=3233>
- 11/22/08: SU Website: Thanksgiving in Uruguay (about research trip to South America)
 - <http://www.southwestern.edu/newsroom/story.php?id=431>
- 09/22/08: Fox 7 News Austin: Sweetest subject in the world (about FYS chocolate course)
 - <http://www.myfoxaustin.com/myfox/pages/Home/Detail;jsessionid=24626082306F4770C64C58B92DFC4FD1?contentId=7483726&version=1&locale=EN-US&layoutCode=VSTY&pageId=1.1.1&sflg=1>
- 08/01/08: AAAS Story about BEN Scholars
 - <http://www.aaas.org/news/releases/2008/0730ben.shtml>
- 07/09/08: BEN Scholar Bio:
 - <http://www.biosciednet.org/portal/about/benScholarsBios2008.php>
 - 07/02/07 SU Website: Southwestern biology professor selected to participate in national program:
 - <http://www.southwestern.edu/cgi-bin/newsroom/article.cgi?id=92>
- 12./06/07: SU Website: Class uses chocolate to help students learn about topics from advertising to evolution:
 - <http://www.southwestern.edu/cgi-bin/newsroom/article.cgi?id=55>
- 12/30/07: *The Houston Chronicle*: "A course that's coated in chocolate"
 - <http://www.chron.com/disp/story.mpl/metropolitan/5410714.html>
 - Also carried by *The Austin American Statesman* as "Southwestern professor finds a calling in chocolate."
- 2/14/08: New 8 Austin: Professor shares chocolate and knowledge
 - http://www.news8austin.com/content/your_news_/your_neighbors/default.asp?ArID=200541
- 3/21/08: *The Chronicle of Higher Education - Syllabus*: In This Course, the Main Dish is Chocolate
 - <http://chronicle.com/temp/email2.php?id=jHW2SFhy6CmgDYynM2KWZvgv5vw3Bmwb>
- 4/14/08: Professor to cook up chocolate standard for education
 - http://www.mywesttexas.com/articles/2008/04/14/news/top_stories/education_foundation_sunday.prt

Research:

- March 2011: Student Spotlight: Allyson Plantz
 - "SU sophomore on the trail of an elusive snail" *The Williamson County Sun*, 03/09/11

- March 2011: Finding Art in Biology (Profile of Research Student, Allyson Plantz)
 - <http://www.southwestern.edu/live/news/4501-finding-art-in-biology>
- November 2010: Biology Professor Receives National Science Foundation Grant
 - <http://www.southwestern.edu/live/news/3571-biology-professor-receives-national-science>
- November 2009: Lab students awarded creativity grant
 - <http://www.southwestern.edu/newsroom/story.php?id=1736>
- February 2009: Highlighted on new blog about apple snails
 - <http://snailbusters.wordpress.com/2009/03/04/collaborative-research-with-students/>
- May and December 2006, Filmed for Texas Parks and Wildlife show;
 - Documentary premiering on TV show March 9th 2008
 - See segment at: <http://www.southwestern.edu/~burksr/test/research/>
- 01/18/06: *The Williamson County Sun*; “Sizable snails lure SU Prof, student to Uruguay”
- Southwestern University Student, Professor To Spend Holidays Conducting Research In Uruguay at <http://www.southwestern.edu/newsroom/news/051205.html>

Outreach:

- 04/01/09: SU Webpage “Thinking SMArT”
 - <http://www.southwestern.edu/newsroom/story.php?id=1082>
- 04/26/07: *The Williamson County Sun*, “Results of Pairings: No Doubt, they’re SMArT”