

# C. RILEY NELSON

## CURRICULUM VITAE

December 2018

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Married to J. Kaye Nelson, three children: Jason (1981), Andrea (1983), and Amy (1986).

Son of Aileen Doul Larsen Nelson and Winston Peter Nelson, both deceased.

Son-In-Law of Richard and Sherry Wheeler, both deceased.

United States Citizen

### ACADEMIC RANK

Professor, Department of Biology, Brigham Young University, present.

Professor, Department of Integrative Biology, Brigham Young University, 2005.

Associate Professor, Department of Integrative Biology, Brigham Young University, 1999-2005.

### EDUCATION

<u>Name of Institution</u>	<u>Years</u>	<u>Major focus</u>	<u>Degree</u>
California Academy of Sciences	1989	Entomology	Tilton Postdoctoral Fellow
Brigham Young University Provo, Utah	1986	Zoology	Ph. D.
Utah State University, Logan, Utah	1984	Biology	M.S.
Utah State University, Logan, Utah	1980	Biology	B. S.
Box Elder High School, Brigham City, Utah	1974	General	Graduate

### HONORS AND AWARDS

BYU Faculty General Education Committee, Brigham Young University, September 2017.

General Education Professorship, Brigham Young University, August 2013.

Creative Works Award, Brigham Young University, August 2012.

John Tanner Lectureship, M. L. Bean Life Science Museum, Brigham Young University, 30 November 2006.

Alcuin Fellowship for General Education, Brigham Young University, August 2005-present.

Continuing Faculty Status, BYU, 2005-2008.

Professor Rank Advancement, Brigham Young University, August 2005

Adjunct Assistant Professor, Clemson University, April 1998 - April 2002.

Senior Lecturer, University of Texas, Austin, January 1998 - July 1999.

Texas Excellence Teaching Award, College of Natural Sciences, University of Texas, 1995.

Rolling Stonefly Award, *Yoraperla* publication, North American Plecoptera Society, 1995.

Naturalist's Forum Lecturer, Academy of Natural Sciences of Philadelphia, 1994.

Visiting Curator, University of Michigan Museum of Zoology, 1992.

Rolling Stonefly Award, *Capnia* publication, North American Plecoptera Society, 1990.

Excellence in Plecoptera Research, North American Plecoptera Society, 1990.  
Tilton Postdoctoral Fellowship, Systematics, California Academy of Sciences, 1988.  
New Consumer of the Year, Purchase Power Inc., Teaneck, New Jersey, 1988.  
Sigma Xi, Outstanding Dissertation, College of Biological and Agricultural Sciences, 1987.  
D Elden Beck Scholarship, Outstanding Student in Natural History, Brigham Young University, 1985.  
Julia Greenwell Awards, Brigham Young University, scholarships for 1984-1985 and 1985-1986.  
Research Assistantship, Department of Zoology, Brigham Young University, 1985.  
Internships, Department of Zoology, Brigham Young University, 1984, 1985, and 1986.  
Vasco and Annie Tanner Entomological Curatorial Research Fellowship, Brigham Young University, 1983-1984.  
Associated Students of Brigham Young University Research Grant, 1983.  
Tuition scholarship, Utah State University, Department of Biology for Spring 1982 and Fall 1982.  
Eagle Scout, Lake Bonneville Council, Utah, 1970.

### **PROFESSIONAL SOCIETIES**

Society for Systematic Biology	North American Dipterists Society
American Entomological Society	North American Plecoptera Society
Society for Freshwater Science, formerly Diptera collecting North American	Sigma Xi the Scientific Research Society
Benthological Society	Pacific Coast Entomological Society
Entomological Society of America	International Biogeography Society

### **SPECIAL SKILLS**

French, fluent.  
Tahitian, fluent.  
Maupitian, fluent.  
Spanish, reading and survival level.  
Mongolian, learning  
Computers, multimedia development; wide variety of hardware, software, and facilities management.

### **RESEARCH GRANTS AND AWARDS**

Annaley Naegle Redd Assistantship Award, Charles Redd Center for Western Studies. Tiger moths of the West. Brigham Young University. 2017. \$12,000.  
College of Life Sciences Teaching Enhancement Grant. Balancing field and classroom teaching: Insects, Writing, and Art. Brigham Young University. 2016. \$9740.  
Support for Stream Macroinvertebrates Bioblitz, Great Basin National Park, 2015. \$2000.  
National Science Foundation. Clark, S. M., M. F. Whiting, and C. R. Nelson. 2014.  
Digitization PEN: Ground-dwelling Insects in the Brigham Young University Collection, Enhancement to SCAN. National Science Foundation. \$174,999. Active until at least 2016.  
Redd Center Interdisciplinary Grants, Art, Insects, Writing at the Lytle Preserve: the contested landscape of the Great Basin in a Southern Utah Oasis. Nelson, C. R., M. Graham, and J. S. Bennion. 2013.

College of Life Sciences Teaching Enhancement Grant. Interdisciplinary coursework and assessment: Art, Insects, and Writing at the Lytle Preserve. Brigham Young University. 2013. \$9620.

Diptera Bioblitz 2012, Great Basin National Park, Nevada. Awarded \$2000.

Survey of the aquatic macroinvertebrates of Lytle Ranch Preserve. 2012. M. L. Bean Life Science Museum, Brigham Young University. Awarded \$2,000.

General Education Matching Funds: Biology Education. BYU General Education, 2009. Awarded \$5,000. With Keith Crandall.

David O. McKay education grant: Active biodiversity and scientific inquiry in large undergraduate biology courses, 2009. BYU Office of the Associate Academic Vice-President - Research and Graduate Studies. \$23215. With Sarah Judson.

Mentoring Environment Grants. Office of Research and Creative Activities, Brigham Young University. 2008. Awarded \$20,000.

Survey and inventory of the aquatic insects of the Altai and Hangai Mountain Drainages, Mongolia. National Science Foundation. 2008. Awarded \$720,000. With collaborators.

Surveying the aquatic invertebrate and select terrestrial flies of the Altai and Hangai Mountain drainages of Mongolia. Roger and Victoria Sant Educational Endowment for a Sustainable Environment, BYU College of Life Sciences. 2008. \$19,000.

Virtual Biology and undergraduate education in Biology 100. BYU General Education. 2007. \$15,000. With Keith Crandall.

Virtual Biology. BYU Center for Teaching and Learning; Pearson, Prentice Hall Publishers. 2007. Awarded: Amount not known. With Keith Crandall and Brian Woodfield.

Plant diversity and cover in Maupiti, French Polynesia under differing agricultural and land use regimes: biodiversity and sustainable land use tests. 2007. Sant Grant, \$10,000.

General Education, Honors, and Biodiversity research around the world. Research and Course Enhancements. College of General Education, Brigham Young University. December 2006. Awarded \$2,500.

Ants and flies on coral islands of Maupiti, French Polynesia under differing agricultural and land use regimes: biodiversity and sustainable land use tests. Proposal to the Roger and Victoria Sant Educational endowment for a Sustainable Environment, a project of the College of Biology and Agriculture at Brigham Young University. 2006. Awarded \$9751.

Utah Biodiversity Experience for Students and Teachers: UBEST. Brigham Young University / Southern Utah (BYU/SU) Grand Staircase Partnership. National Science Foundation and United States Department of Education in association with the Utah State Office of Education. Principle investigators: N. L. Hanegan and C. R. Nelson. Awarded \$292,108.

Insect Diversity along elevational gradients of American Fork Canyon and Mount Timpanogos, Utah. Mentoring Environments Grant, Office of Research and Creative Activities, Brigham Young University. 2005. Principal investigator: C. R. Nelson. Awarded, \$15,000.

Biodiversity of the Guiana Shield. Proposal with Jack Sites to the Roger and Victoria Sant Educational endowment for a Sustainable Environment, a project of the College of Biology and Agriculture at Brigham Young University. February 2006. Awarded \$14,000.

Comparison of the diversity of ants and flies on low coral islands of Maupiti, French. Proposal to the Roger and Victoria Sant Educational endowment for a Sustainable

- Environment, a project of the College of Biology and Agriculture at Brigham Young University. 2005. Awarded \$10,000.
- A survey of the ants and flies of Maupiti, French Polynesia, with an introduction to contemporary Polynesian culture, 2004. Roger and Victoria Sant Education Endowment, College of Biology and Agriculture, Brigham Young University, \$13,000.
- Survey of Invertebrates of the Grand Staircase Escalante National Monument, Bureau of Land Management (BLM), 2003. Co-Principal Investigators: C. R. Nelson and R. W. Baumann, \$25,000.
- Invertebrate inventory and selection of potential indicator species at U.S. Army Dugway Proving Ground, Utah. Proposal to the U.S. Department of the Army, 2003. Principal Investigators: V. J. Anderson, C. R. Nelson, R. L. Johnson, and R. W. Baumann, \$20,125.
- Insect diversity on Mount Timpanogos with special reference to training future taxonomists in field and curatorial techniques. Mentoring Environments Grant, Office of Research and Creative Activities, Brigham Young University. Principal investigator: C. R. Nelson, co-investigators: R. W. Baumann and S. M. Clark. \$16,928.
- Survey of Invertebrates of the East Fork of the Virgin River area, Bureau of Land Management (BLM), 2003. Co-Principal Investigators: C. R. Nelson and Richard Baumann, \$10,000.
- A survey of the ants and flies of Maupiti, French Polynesia, with an introduction to contemporary Polynesian culture, 2003. Roger and Victoria Sant Education Endowment, College of Biology and Agriculture, Brigham Young University, \$2,000.
- Macroinvertebrates of Timpanogos Cave, Timpanogos Cave National Monument, Utah, 2003. United States National Park Service. C. R. Nelson, R. W. Baumann, and S. M. Clark, \$15,000.
- Survey of Invertebrates of the Grand Staircase Escalante National Monument, Bureau of Land Management (BLM), 2002. Co-Principal Investigators: C. R. Nelson and Richard Baumann, \$25,000.
- Aquatic invertebrate identification guide: project development, renewal. Center for Instructional Design, Brigham Young University, 2002. Principal Investigator: C. R. Nelson, \$25,000.
- Undergraduates in biodiversity research, Sant Foundation, 2002. Principal Investigator: C. R. Nelson, \$9,820.
- Survey of the flies of Maupiti, French Polynesia, and robber flies of selected localities in Queensland, Australia. David M. Kennedy Center for International Studies Research Program. January 2002, Principal Investigator: C. R. Nelson, \$2,000.
- Systematic relationships, population structure, and conservation of the endemic land snail *Oreohelix peripherica* (Gastropoda: Pulmonata: Camaenidae) from Utah. United States Forest Service, Ogden, Utah, October 2001. Investigators: Marcos Pérez-Losada, C. R. Nelson, S. Blatt, G. Oliver, and K. Crandall, \$10,000.
- Aquatic invertebrate identification guide: project development. Center for Instructional Design, Brigham Young University, 2000 - 2006. Principal Investigator: C. R. Nelson, \$42,000.
- Undergraduate experiences in surveying biodiversity of insects and other arthropods on the Grand Staircase Escalante National Monument and surrounding areas of the Colorado Plateau. Faculty Mentoring of Undergraduate Students in Research, Vice-President's

award, Brigham Young University, 2001. Principal Investigator: C. R. Nelson with R. W. Baumann, \$3,000.

Undergraduates in biodiversity research, Sant Foundation, 2001. Principal Investigator: C. R. Nelson, \$10,320.

Survey of Invertebrates of the Grand Staircase Escalante National Monument, Bureau of Land Management (BLM), 2001. Co-Principal Investigators: C. R. Nelson and Richard Baumann, \$22,000.

Survey of Invertebrates of the Coral Pink Sand Dunes, Bureau of Land Management (BLM), 2001. Co-Principal Investigators: C. R. Nelson and Richard Baumann, \$5,000.

Intensive Field Science Experiences as a professional development model for secondary science teachers. 2001. Co-Principal Investigators: C. R. Nelson and N. L. Hanegan. Southwest Educational Development Laboratory (SEDL) and Southwest Consortium for the Improvement of Mathematics and Science Teaching (SCIMAST), Austin, Texas. 2001. \$250,000. Eisenhower Fund, U. S. Department of Education R319A000012.

Survey of Invertebrates of the Grand Staircase Escalante National Monument, Bureau of Land Management (BLM), 2000. Co-Principal Investigators: C. R. Nelson and Richard Baumann, \$25,000.

Survey of Invertebrates of the Coral Pink Sand Dunes, Bureau of Land Management (BLM), 2000. Co-Principal Investigators: C. R. Nelson and Richard Baumann, \$5,000.

Curso de Ecologia Tropical (Tropical Ecology Course), Rio Trombetas Biological Reserve, Amazon basin, Para State, Brazil, sponsored by CENAQUA/IBAMA agencies of Brazil, Investigators: Vitor Hugo Cantarelli, J. Sites, C. R. Nelson, and M. Belk, participants from all over Brazil, 27 October - 6 November 2000, \$10,000.

Undergraduate experiences in surveying biodiversity of insects and other arthropods on the Grand Staircase Escalante National Monument and surrounding areas of the Colorado Plateau. Faculty Mentoring of Undergraduate Students in Research, Vice-President's award, Brigham Young University, 2000. Principal Investigator: C. R. Nelson, \$6,000.

Student experiences in surveying biodiversity of insects and other arthropods on the Grand Staircase Escalante National Monument and surrounding areas of the Colorado Plateau. Faculty Mentoring in the College of Biology and Agriculture, Brigham Young University, 2001. Principal Investigator: C. R. Nelson and R. W. Baumann, \$3,000.

Survey of Invertebrates of the Grand Staircase Escalante National Monument, Bureau of Land Management (BLM), 1999. Co-Principal Investigators: C. R. Nelson and Richard Baumann, \$25,000.

Survey of Invertebrates of the Coral Pink Sand Dunes, Bureau of Land Management (BLM), 1999. Co-Principal Investigators: C. R. Nelson and Richard Baumann, \$2,500.

Dipterology research grant, North American Dipterists' Society, Spring 1997, \$1,000.

Recolonization of macroinvertebrates in intermittent Texas streams, The Nature Conservancy of Texas, 1997, \$3,000.

Use of digital imaging technology in ecological research, Project Quest, University of Texas, 1996. \$3000.

Small research grants, The Nature Conservancy of Texas, 1993-1996, \$3,000.

Innovative use of microcomputers in teaching and research, Project Quest, University of Texas, 1995, \$3,000.

## **ADVANCED DEGREE TOPICS**

Postdoctoral Project, "Systematics and Biogeography of the robber fly genus *Proctacanthus* (Diptera: Asilidae)."

Doctoral Dissertation, "Studies in North American *Capnia* and *Capnura* (Plecoptera: Capniidae)."

Master's Thesis, "The Robber Flies (Diptera: Asilidae) of Utah."

### **SYMPOSIA AND MAJOR MEETINGS ORGANIZED**

Co-organizer, North American Plecoptera Symposium, Timp Lodge, BYU, Utah 17-19 May 2016. Co-organizer with Boris Kondratieff.

Co-organizer, Stream Insect Bioblitz, Great Basin National Park, Nevada. Co-organizer with Gretchen Baker and Boris Kondratieff. 15-17 May 2015.

Conference committee, Conservation, Restoration, Sustainability: a call to stewardship. Environmental Ethics Initiative, BYU, Provo, Utah, 8-10 November 2012.

Investigator organizer, Completing the survey of the aquatic insects of Mongolia planning sessions, grant submission strategies, June-August 2012. BYU, Provo, Utah.

Co-organizer, Diptera Bioblitz, Great Basin National Park, Nevada. Co-organizer with Gretchen Baker, 18-21 June 2012.

Organizer, North American Dipterists' Society, Timp Lodge BYU, Utah 2011.

Organizer, Mongolian Aquatic Insect Survey Planning Session: grant renewal strategies, BYU, Provo, Utah, 2-5 December 2005.

Organizer, Symposium: North American Dipterists' Society, Annual Meeting of the Entomological Society of America, Salt Lake City, Utah, 16 November 2004.

Co-organizer and local arrangements committee (with R. W. Baumann) for Science Symposium of the Grand Staircase-Escalante National Monument. Sponsored by the Bureau of Land Management, convened at M. L. Bean Museum, Brigham Young University, Provo, Utah, 8-9 March 2002.

Co-organizer, Joint meeting of the North American Dipterists' Society and the Biting Fly Workshop, Alpine, Texas, 30 May-4 June 2001.

Co-organizer of the Sixth North American Plecoptera Symposium, Provo, Utah, May 2000.

Co-organizer of the Sixth North American Plecoptera Symposium, Provo, Utah, May 2000.

Co-organizer, Formal Conference for Aquatic Insects, Species and Biomonitoring, Annual Meeting, Entomological Society of America, 1998.

Organizer and moderator, Informal Conference of North American Dipterists' Society, ESA, 1994.

Co-organizer, Section A Symposium, Historical biogeography of western North American Insects, Entomological Society of America Annual Meeting, 8-11 December 1991, Reno, Nevada.

## **LEADERSHIP EXPERIENCE**

Teachers Quorum Advisor, Edgemont Tenth Ward, Church of Jesus Christ of Latter-day Saints. 2018 – present.

Gospel Doctrine Sunday School teacher, Edgemont Tenth Ward, Church of Jesus Christ of Latter-day Saints. 2016 – 2018.

Teachings for our times High Priests' instructor. Edgemont Tenth Ward, Church of Jesus Christ of Latter-day Saints. 2010 -2016.

Wolf, Bear, and Webelos Den Cub Scout leader. Edgemont Tenth Ward, Church of Jesus Christ of Latter-day Saints.

Second, then First Counselor, Bishopric, Edgemont Tenth Ward, Church of Jesus Christ of Latter-day Saints. 2005 – 2010.

Scoutmaster, Boy Scouts of America, Troop 739, Provo, Utah, 1999-2003.

Faculty Advisor, Biology: Ecology, Evolution, and Conservation, Univ. Texas, 1994-1999.

Scoutmaster or Assistant Scoutmaster, Boy Scouts of America, Troop 100, Austin, Texas, 1994-1999.

Faculty Student Computer Laboratory advisor, Division of Biological Sciences, Univ. Texas, 1993-1999.

Brackenridge Field Laboratory Curator and Insect Diversity Studies team leader, Univ. Texas, 1989-1999.

Project supervisor, Insects related to shrub die-off, 1988-present.

College Representative, Associated Students Brigham Young University Research Funding Committee, 1985.

Graduate Student Representative, Entomological Society of America, Brigham Young University, 1983-1986.

Captain, Brigham Young University Linnaean Games team, Entomological Society of America, 1984.

Graduate Student Representative, Entomological Society of America for Utah State University, 1981-1983.

President, Utah State University Entomology Club, 1981-1983.

## **MAJOR EXPEDITIONS (started category 2005)**

Etosha Pan, Namibia, November – December 2018.

Patagonia, Argentina, February 2018.

New England, October 2017.

Everglades and Florida Keys, December 2016.

Integrated Natural History of Utah, May – June 2016.

Stoneflies and large mammals of Africa, South Africa, June 2015.

Nature and Culture of Germany, August 2014.

Mohave Desert: Insects, Writing, and Art, Lytle Ranch Preserve, Utah, May – June 2014.

Capnia lacustra in Lake Tahoe. 29 November – 1 December 2013.

Horseshoe Crabs of Delaware Bay, Monsoonal insects of Arizona expedition, 2-14 June 2013.

Lytle Ranch Preserve. 15-17 May 2013.

Great Basin National Park expedition, 18-21 June 2012.

Integrated Natural History of Utah expedition, April – June 2012.

Southern California winter stoneflies, 7-13 January 2012.

England and Wales, Darwin's' house and other natural history sites, 12-22 August 2011.  
Mongolia, Khangai Mountains and Khentii Mountains, 28 June -28 July 2011.  
Hawaii, rainforests, coral reefs, and lava fields, 26 March – 4 April 2011.  
Costa Rica, Guanacaste Province, 6 – 19 August 2010.  
Mongolia, Uvs Aimag, Kharkhiraa Mountains, 28 June - 21 July 2010.  
Utah, Four rivers: Integrated Natural History of Utah, 30 April – 4 June 2010.  
France, Paris, art and human culture, 16 – 24 April 2010.  
Mongolia, Altai Mountains, 23 June - 25 July 2008.  
Maupiti, French Polynesia, 9 – 25 May 2007.  
Maupiti, French Polynesia, 18 December 2005 – 8 January 2006.  
French Guiana, BYU Sant Expedition, 6 May – 28 May 2006  
Grand Staircase – Escalante National Monument, Utah Biodiversity Experience for Students and Teachers, Deer Springs Ranch, Utah, 11 - 21 June 2006.  
Mongolia, Selenge River Aquatic Insect Survey, Darkhad Basin, 23 June - 10 July 2006.  
Argentina, Family trip to Rosario and Iguacu Falls area, 16 August – 26 August 2006.  
Mongolia, Selenge River Aquatic Insect Survey, 30 June – 29 July 2005.  
Grand Staircase – Escalante National Monument, Utah Biodiversity Experience for Students and Teachers, Deer Springs Ranch, Utah, 3 – 10 June 2005.  
Pacific Coast Marine Biology, in association with Brigham Young University classes including Lee Braithwaite, Russell Rader, Nikki Hanegan, and Craig Young, 25 April – 5 May 2005.

## **WORK EXPERIENCE**

Professor, Department of Biology, Brigham Young University, 2008 - present.  
Professor, Department of Integrative Biology, Brigham Young University, 2005 - 2008.  
Associate Professor, Department of Integrative Biology, Brigham Young University, 1999-2005.  
Visiting Professor, Southwest Educational Development Laboratory, Austin, Texas, Field course, Devils River Ecosystems and Facilitation for Professional Development of Teachers of the Interdependence of Life, 3-7 June 2002. Using inquiry based learning with individual teacher and student projects.  
Visiting Professor, Southwest Educational Development Laboratory, Austin, Texas, Field course, Devils River Ecosystems and Facilitation for Professional Development of Teachers of the Interdependence of Life, 4-8 June 2001. Implementations of benchmarks and national standards.  
Visiting Professor, Organization for Tropical Studies, La Selva Biological Station, Costa Rica, 28 April-8 May 2001. Field experiences for undergraduate students.  
Senior Lecturer, University of Texas, Austin, 1998-1999.  
Lecturer, University of Texas, Austin, taught General Entomology and supervised the lab instruction, September 1989-1998.  
Lecturer, University of Texas, Austin, teaching "Field Ecology", develop and teach a field course in ecological methods for Fall 1991-1999.  
Lecturer, University of Texas, Austin, taught Applied Aquatic Entomology lecture and lab, Fall 1997-1999.  
Lecturer, University of Texas, Austin, teaching "Evolution, Ecology, and Society", a general biology course for non-majors, September 1992-1999.

Biomonitoring consultant, for The Nature Conservancy of Texas, on projects for the Devils River and Dolan Creek, Val Verde Co., Texas, March 1993-present.

Faculty Laboratory Advisor, Division of Biological Sciences, University of Texas, Austin, September 1992-present.

Lecturer, Division of Biological Sciences, University of Texas, Austin, Special Laboratory Course for NIH, summer 1994.

Lecturer, University of Texas, Austin, teaching "Structure and Function of Organisms", a general biology course for majors, July-August 1992.

Lecturer, University of Texas, Austin, teaching "Microbes to Man", a general biology course for non-majors, January 1990-1992.

Research Associate, Utah State University, survey of insects of rangeland shrubs in Utah for the Bureau of Land Management with emphasis on taxonomy and ecology, also surveying incidence of mealybugs as they relate to shrub die-off, 1987-present.

Tilton Fellow, California Academy of Sciences, professional duties of curator in the Department of Entomology with responsibilities in Diptera and aquatic insects. Postdoctoral research project to include a systematic revision of the bee-killing robber fly genus Proctacanthus (Diptera: Asilidae) with special reference to phylogenetics and zoogeography of the group, 1988-1989.

Collections Manager, Brigham Young University Insect Collection, M. L. Bean Museum, curating, accessioning, and identifying specimens for the public and in the collection, particularly Diptera and supervision of curatorial assistants, 1986-1988.

Field Research Associate, United States Department of Agriculture, Beltsville, Maryland for Dr. Robert F. Whitcomb, collected leafhoppers from stands of perennial grasses in the Colorado Plateau of Utah to examine host plant relationships, summer 1987.

Biological Consultant, Provo, Utah, assess environmental impacts of proposed highway realignments on the insect and fish fauna of the Provo River and its tributaries near Provo Canyon, 1986-1989.

Biological Consultant, Provo, Utah, evaluated impact of road building activities on fish including the Virgin River Spinedace in the Virgin River of Washington Co., Utah, December, 1986.

Aquatic Insect Identification Specialist, Aquatic Ecology Laboratory, duties including the identification of immature and adult aquatic insects for ecological studies and environmental monitoring, Brigham Young University, 1986.

Curator, for teaching collections of General Entomology, Medical Entomology, and Parasitology, Brigham Young University, 1985.

Insect Identification Specialist, for Dr. J. A. MacMahon of Utah State University, for land rehabilitation research on Mount St. Helens, Washington and coal mines near Kemmerer, Wyoming, 1983-1985.

Teaching Assistant, Brigham Young University, Department of Zoology, 1984-1986.

Teaching Assistant, Utah State University, Department of Biology, 1982-1983.

Research Assistant, surveying physical parameters and ecological relationships of the plant and animal communities of the riparian zones of the Virgin River and its tributaries in the Zion National Park area, 1980-1982.

Printer, duties included drafting, photographing, typesetting and all aspects of job preparation as well as operating letterpress and offset presses for the Box Elder News & Journal of

Brigham City, Utah then the Thiokol Chemical Corporation's Wasatch Division near Brigham City, 1977-1980.

**TEACHING ASSIGNMENTS**, (arrived at BYU Fall 1999)

I'm in a teaching rotation of Principles of Biology, Entomology, Aquatic Entomology, and Animal Diversity, along with mentored research, up through 2018.

Summary of BYU years through Fall 2015, needs updating  
Nature and Culture, Unexpected Connections (UNIV 291)— 4 times, 83 students, needs updating to 2016  
Aquatic Entomology (Bio 541)—6 times, 50 students  
Mentored Research (Bio 494R, InBio 494R, LfSci 494R, Bio 494R)—32 times, 92 students, needs updating to 2016.  
Principles of Biology (Bio 100)—31 times (15 in Honors), 7588 students, needs updating 2016.  
Entomology (Bio 441)—9 times, 245 students  
Biodiversity: Animals (Bio 220)- 4 times, 219 students  
Animal Diversity (Zoo 204)-3 times, 213 students, count seems wrong 2016.  
Biodiversity (Bio 220)—5 times, 710 students  
Special Topics (Bio 295R)—2 times, 32 students  
Field Biology (Bio 353)—2 times, 8 students  
Cultural Survey (IAS 201R)—2 time 17 students  
Summer Scholars (HNRS)—1 time, 3 students  
Aquatic Ecology Lab (InBio 558)—3 times, 19 students  
Field Entomology (InBio 330, Zoo 330), 2 times, 18 students  
Aquatic Ent. Experience (HNRS)—1 time, 20 students  
Intro to Biology (Bio 130)—1 time, 400 students  
Dissertation (Bio 799R)—6 times, 6 students  
Master's Thesis (Bio 699R)—6 times, 6 students

## Teaching Details

Course Name (number)	Semester/Year	# of Students	Student course/instructor. evaluation
Aquatic Entomology	Fall 2016	10	xx
Principles of Biology (Bio 100)	Fall 2016	xx	xx
Unexpected Connections (UNIV 291)	Fall 2016	xx	xx
Principles of Biology, IHUT (Bio 100)	Spring 2016	xx	xx
Animal Diversity	Winter 2016	xx	xx
Principles of Biology (Bio 100)	Winter 2016	xx	xx
Unexpected Connections (UNIV 291)	Winter 2016	xx	xx
Principles of Biology (Bio 100)	Fall 2015	152	xx
Unexpected Connections (UNIV 291)	Fall 2015	61	xx
Mentored Research (Bio 494R)	Fall 2015	3	-
Entomology (Bio 441)	Summer 2015	7	7.7/8.0, legacy scale
Mentored Research (Bio 494R, 14)	Winter 2015	2	0.0
Mentored Research (Bio 494R, 29)	Winter 2015	1	5.0, new scale
Principles of Biology (Bio 100)	Winter 2015	144	4.0, new scale
Unexpected Connections (UNIV 291)	Winter 2015	19	4.4, new scale
Biol. Div.: Animals (Bio 220A)	Winter 2015	44	4.4, new scale
Aquatic Entomology (Bio 541)	Fall 2014	11	7.6/7.8
Mentored Research (Bio 494R)	Fall 2014	2	-
Principles of Biology (Bio 100)	Fall 2014	166	5.7/6.1
Entomology (Bio 441)	Spring 2014	12	7.8/8.0
Biol. Div.: Animals (Bio 220A)	Winter 2014	56	6.8/6.9
Honors Princ. Biology (Bio 100H)	Winter 2014	30	6.4/6.8
Mentored Research (Bio 494R)	Winter 2014	2	8.0/8.0
Cultural Survey (IAS 201R)	Winter 2014	9	8.0/8.0
Principles of Biology (Bio 100)	Fall 2013	187	5.8/6.1
Entomology (Bio 441)	Fall 2013	36	(6.5, 7.0, 7.7)/(6.8, 7.0, 7.3)? (course, lab 1, lab 2)?
Mentored Research (Bio 494R)	Fall 2013	1	-
Mentored Research (Bio 494R)	Summer 2013	1	-
Biol. Div.: Animals (Bio 220A)	Winter 2013	53	7.0/7.3
Honors Princ. Biology (Bio 100H)	Winter 2013	39	6.4/6.7
Mentored Research (Bio 494R)	Winter 2013	2	-
Aquatic Entomology (Bio 541)	Fall 2012	3	7.5/7.5
Mentored Research (Bio 494R)	Fall 2012	1	-
Principles of Biology (Bio 100)	Fall 2012	163	6.1/6.7
Dissertation (Bio 799R)	Summer 2012	1	-
Mentored Research (Bio 494R)	Summer 2012	1	-
Honors Prince. Biology (Bio 100H)	Spring 2012	16	7.8/7.8
Biol. Div.: Animals (Bio 220A)	Winter 2012	66	6.9/7.1
Honors Princ. Biology (Bio 100H)	Winter 2012	32	6.9/7.0
Mentored Research (Bio 494R)	Winter 2012	1	8.0/8.0
Special Topics (Bio 295R)	Winter 2012	17	7.2/7.4
Dissertation (Bio 799R)	Fall 2011	1	-
Entomology (Bio 441)	Fall 2011	25	7.2/7.3? section questions, odd reporting
Mentored Research (Bio 494R)	Fall 2011	1	-
Principles of Biology (Bio 100)	Fall 2011	232	6.2/6.8
Dissertation (Bio 799R)	Summer 2011	1	-

Dissertation (Bio 799R)	Spring 2011	1	-
Dissertation (Bio 799R)	Winter 2011	1	-
Mentored Research (LFSCI494R)	Winter 2011	1	-
Mentored Research (Bio 494R)	Winter 2011	2	-
Honors Princ. Biology (Bio 100H)	Winter 2011	39	5.7/6.2
Principles of Biology	Winter 2011	217	6.3/7.0
Aquatic Entomology (Bio 541)	Fall 2010	6	7.75/7.75
Dissertation (Bio 799R)	Fall 2010	1	-
Mentored Research (Bio 494R)	Fall 2010	2	8.0/8.0
Principles of Biology (Bio 100)	Fall 2010	237	6.11/6.86
Honors Princ. Biology (Bio 100H)	Spring 2010	15	7.0/7.17
Honors Princ. Biology (Bio 100H)	Winter 2010	39	6.59/6.82
Master's Thesis (Bio 699R)	Winter 2010	1	
Mentored Research (Bio 494R)	Winter 2010	1	8.0/8.0
Principles of Biology (Bio 100)	Winter 2010	251	6.18/6.83
Special Topics	Winter 2010	15	7.63/7.67
Entomology (Bio 441)	Fall 2009	24	7.2/7.5
Principles of Biology (Bio 100)	Fall 2009	252	6.2/6.8
Mentored Research (LFSCI494R)	Fall 2009	1	8.0/8.0
Mentored Research (Bio 494R)	Fall 2009	1	0/0
Mentored Research (LFSCI494R)	Spring 2009	1	7.0/7.0
Mentored Research (Bio 494R)	Spring 2009	1	0/0
Field Biology (Bio 353)	Spring 2009	4	7.0/7.0
Mentored Research (LFSCI494R)	Winter 2009	2	8.0/8.0
Honors Princ of Biology (Boil 100)	Winter 2009	37	6.7/7.1
Principles of Biology (Bio 100)	Winter 2009	252	6.4/7.0
Principles of Biology (Boil 100)	Fall 2008	250	6.2/6.7
Aquatic Entomology (Bio 541)	Fall 2008	8	6.8/7.5
Mentored Research (LFSCI 494R)	Fall 2008	4	0/0
Master's Thesis (InBio 699R)	Summer 2008	1	0/0
Honors Princ of Biology (Bio 100)	Spring 2008	11	0/0
Mentored Research (Bio 494R)	Spring 2008	5	0/0
Master's Thesis (InBio 699R)	Spring 2008	1	0/0
Principles of Biology (Boil 100)	Winter 2008	250	6.1/6.8
Honors Princ of Biology (Bio 100)	Winter 2008	40	6.7/7.2
Cultural Survey (IAS 201R)	Winter 2008	8	6.0/6.0
Mentored Research (Bio 494R)	Winter 2008	6	0/0
Master's Thesis (InBio 699R)	Winter 2008	1	0/0
Biodiversity (Bio 220)	Fall 2007	70	6.3/6.8
Mentored Research (Bio 494R)	Fall 2007	4	7.3/8.0
Entomology (InBio 441)	Fall 2007	17	6.9/7.0
Entomology (InBio 441)	Fall 2007	8	6.5/6.8
Entomology (InBio 441)	Fall 2007	9	6.5/6.5
Master's Thesis (InBio 699R)	Fall 2007	1	0/0
Summer Scholars (HONRS)	Summer 2007	3	0/0
Entomology (InBio 441)	Summer 2007	14	7.0/7.6
Entomology (InBio 441)	Summer 2007	7	7.5/7.5
Honors Princ of Biology (Bio 100)	Winter 2007	84	6.2/6.7
Mentored Research (Bio 494R)	Winter 2007	2	6.0/6.0
Mentored Research (InBio 494R)	Winter 2007	12	7.4/7.8
Biodiversity (Bio 220)	Fall 2006	40	5.9/6.6
Aquatic Entomology (InBio 541)	Fall 2006	12	7.0/7.2
Aquatic Ecology Lab (InBio 558)	Fall 2006	8	6.0/6.5, team taught
Mentor InBio (InBio 494R)	Fall 2006	1	0/0
Master's Thesis (InBio 699R)	Fall 2006	1	0/0
Field Biology (Inbio 353)	Summer 2006	4	6.5/7.0

Mentor Biology (Bio 494R)	Spring 2006	1	0/0
Mentored Research (Bio 494R)	Winter2006	5	0/0
Honors Princ. Biology (Bio 100H)	Winter 2006	88	6.6/6.9
Entomology (InBio 441) sec.3	Fall 2005	12	0/0
Entomology (InBio 441) sec.2	Fall 2005	11	0/0
Entomology (InBio 441) sec.1	Fall 2005	25	7.0/7.4
Biodiversity (Bio 220)	Fall 2005	190	5.9/6.8
Mentor Biology (Bio 494R)	Fall 2005	6	7.2/8.0
Field Biology (Inbio 353)	Summer 2005	not taught	
Mentored Research (Boil 494R)	Spring 2005	1	0/0
Mentored Research (Inbio 494R)	Winter 2005	1	0/0
Mentored Research (Bio 494R)	Winter 2005	4	7/7.7
Honors Princ. Biology (Bio 100H)	Winter 2005	71	6.3/6.9
Entomology (InBio 441) sec.1	Fall 2004	20	6.7/7.0
Entomology (InBio 441) sec.2	Fall 2004	0	0/0
Entomology (InBio 441) sec.3	Fall 2004	11	7/6.8
Entomology (InBio 441) sec.4	Fall 2004	7	6.5/6.5
Biodiversity (Bio 220)	Fall 2004	180	6.0/6.9
Aquatic Ecology Lab (InBio 558)	Fall 2004	2	7.0/8.0
Entomology (Inbio 494R)	Fall 2004	1	0/0
Mentor Biology (Bio 494R)	Fall 2004	2	7.0/8.0
Mentor InBio (InBio 494R)	Summer 2004	1	0/0
Mentor InBio (InBio 494R)	Summer 2004	1	0 / 0
Field Biology (InBio 353)	Spring 2004	0	New course development
Mentor InBio (InBio 494R)	Spring 2004	2	8.0 / 8.0
Honors Princ. Biology (Bio 100H)	Winter 2004	88	5.8 / 6.3
Mentor Biology (Bio 494R)	Winter 2004	1	0 / 0
Mentor InBio (InBio 494R)	Winter 2004	3	0 / 0
Aquatic Ecology Lab (InBio 558)	Fall 2003	9	4.8 / 5.6
Biodiversity (Bio 220)	Fall 2003	230	5.9 (CRN) 5.1 (all) / 6.6 (CRN) 6.2 (all)
Aquatic Ent. Exp. (Honors)	Summer 2003	20	not evaluated, Summer Science Academy
Honors Princ. Biology (Bio 100H)	Winter 2003	90	6.4 / 7.0
Animal Diversity (Zoo 204)	Winter 2003	44	6.5 / 7.2
Field Entomology (InBio 330)	Summer 2002	9	6.9 out of 7.0; 6.8 out of 7.0
Principles of Biology (Bio 100)	Winter 2002	~1300	5.3 out of 7.0; 5.9 out of 7.0
Animal Diversity (Zoo 204)	Fall 2001	74	5.9 out of 7.0; 6.6 out of 7.0
Field Entomology (Zoo 330)	Summer 2001	9	5.9 out of 7.0; 6.4 out of 7.0
Principles of Biology (Bio 100)	Winter 2001	~1400	5.3 out of 7.0; 5.9 out of 7.0
Intro to Biology (Bio 130)	Fall 2000	400	5.2 (team taught); 5.9
Animal Diversity (Zoo 204)	Fall 2000	95	5.9 (team taught); 6.5
Principles of Biology (Bio 100)	Winter 2000	1321	4.4 out of 7.0; 4.8 of out 7.0
Field Entomology (end of Texas)	Summer 1999	13	Not received from Texas
Field Biology	Spring 1999	46	4.8 out of 5.0; College Average: 3.8
Aquatic Entomology	Fall 1998	7	4.9 out of 5.0; College Average: 3.85
Entomology	Fall 1998	26	4.7 out of 5.0; College Average: 4.0
Field Entomology	Summer 1998	12	4.8 out of 5.0; College Average: 3.8
Field Biology	Spring 1998	45	4.8 out of 5.0; College Average: 3.8
Aquatic Entomology	Fall 1997	14	4.7 out of 5.0; College Average: 3.85
Entomology	Fall 1997	33	4.8 out of 5.0; College Average: 3.85
Field Biology	Summer 1997	15	4.7 out of 5.0; College Average: 4.1
Field Biology	Spring 1997	51	4.7 out of 5.0; College Average: 4.1
Aquatic Entomology	Fall 1996	19	4.8 out of 5.0
Entomology	Fall 1996	41	4.9 out of 5.0
Field Biology	Spring 1996	45	4.8 out of 5.0

## **REVIEWS AND PROFESSIONAL SERVICE (2000 to 2011)**

Quit monitoring this in 2011 or so.

Committee member, C. P. Alexander Award, North American Dipterists' Society. 2017 – present.

Assistant Curator, Monte L. Bean Life Science Museum, Brigham Young University, January 2011-present.

Reviewer, Journal of the Kansas Entomological Society, 2011.

Sponsor, Dr. Jon Gelhaus as John Tanner Distinguished Lecturer, Monte L. Bean Life Science Museum, 24 March 2011.

Reviewer, grant proposal, National Science Foundation, 2009.

Reviewer, manuscript, International Review of Hydrobiology, 2009.

Reviewer, manuscript, Zootaxa, 2009.

Reviewer, manuscript, Western North American Naturalist, 2009.

Reviewer, manuscript, Journal of Historical Biography, 2008.

Reviewer, grant proposal, National Science Foundation, 2008.

Reviewer, several manuscripts, Western North American Naturalist, 2007.

Reviewer, brief review of colleague for tenure, University of Delaware, 2007.

Reviewer, grant proposal, National Science Foundation, 2007.

Reviewer, manuscript, Illiesia, 2007.

Reviewer, manuscript, Zootaxa, 2007.

Reviewer, manuscript, Western North American Naturalist, 2007.

Reviewer, manuscript, Proceedings of the Entomological Society of Washington, 2007.

Reviewer, manuscript, Paleontology and Special Papers in Palaeontology, 2007.

Completed detailed questionnaire for the use of National Academies of Science, 2007.

Reviewer, manuscript, Entomological Society of Washington, 2006.

Reviewer, manuscript, Illiesia, 2006.

Reviewer, proposal, National Science Foundation, Biodiversity Survey and Inventory Panel, 2006.

Guest Lecturer, Writing a Curriculum Vitae. Lecture for Dr. Mark Belk's Graduate student methods class, 26 September 2006.

Professional Teaching Evaluations, Dr. Kent Hatch, Comparative physiology class, Fall semester 2006.

Professional Teaching Evaluations, Dr. Steven Peck, History and Philosophy of Science, Winter semester 2005.

Senior Student Poster Judge, Annual Meeting of the Entomological Society of America, extensive preparation for 7 November 2005, but meeting was postponed due to hurricanes.

Reviewer, article, Journal of Insect Science, 2005.

Reviewer, article, Southwestern Entomologist, 2005.

Reviewer, article, Journal of the Kansas Entomological Society, 2005.

Reviewer, two articles, Entomological Society of Washington, 2005.

Reviewer, article, Zootaxa, a rapid journal for animal taxonomists, 2005.

Reviewer, proposal, National Science Foundation, Biodiversity Survey and Inventory Panel, 2005.

Guest Lecturer, Writing a Curriculum Vitae. Lecture for Dr. Mark Belk's Graduate student methods class, 29 November 2005.

Guest Lecturer, Research in the Nelson laboratory and the Department of Integrative Biology at Brigham Young University. Lecture for Dr. Eric Jellen's Freshman Academy class, 14 October 2005.

Guest Lecturer, Biodiversity in Community Ecology. Lecture for Dr. Russell Rader's Community Ecology class, 23 Sep 2004.

Reviewer, proposal, National Science Foundation, Biodiversity Survey and Inventory Panel, 2004.

Reviewer, article, Wetlands: the Journal of the Society of Wetland Scientists, 2004.

Reviewer, article, Entomological Society of Washington, 2004.

Local arrangements and research sponsor for Sanaa Enkhtaivan, visiting scientist from Mongolia, teaching field and laboratory methods in the taxonomy of Plecoptera and Ephemeroptera and logistics coordinator for her trip to international meetings about these groups in Montana, as part of the Lake Hovsgol and Selenge River Invertebrate Studies in cooperation with the National Science Foundation, the Academy of Natural Sciences of Philadelphia, and Clemson University. 18-31 August 2004.

Reviewer, articles, Western North American Naturalist 1998-present.

Reviewer, scripts, Earth and Sky Radio program, 1999-2004.

Local arrangements and host for Dr. Nikki Hanegan, visiting scientist and job applicant from Texas, for the Science Education position in the Department of Integrative Biology, Brigham Young University. 26-28 January 2004.

Reviewer, article, Proceedings of the Entomological Society of Washington, 23 March 2004.

Reviewer, Plecoptera chapter, general entomology book by Dr. Steven Marshall, University of Guelph, Guelph, Ontario, 23 March 2004.

Reviewer, article, Florida Entomologist, 28 May 2004.

Reviewer, article, Journal of the North American Benthological Society, 26 March 2004.

Reviewer, grants, National Science Foundation (NSF), Division of Environmental Biology, 2003.

Reviewer, articles, Entomological News, American Entomological Society, 2003-2004.

Recruitment brochure for the Department of Integrative Biology, Brigham Young University, Provo, Utah. January - June 2003. Reviewer, articles, Annals of the Entomological Society of America, 2003.

Local arrangements and research sponsor for Sanaa Enkhtaivan, visiting scientist from Mongolia, teaching field and laboratory methods in the taxonomy of Plecoptera and Ephemeroptera, as part of the Lake Hovsgol and Selenge River Invertebrate Studies in cooperation with the National Science Foundation, the Academy of Natural Sciences of Philadelphia, and Clemson University. 16-30 March 2003.

Biomonitoring Consultant, for The Nature Conservancy of Texas, on projects for the Devils River and Dolan Creek, Val Verde Co., Texas, March 1993-present.

Reviewer, biology textbook chapter reviews for Holt Rinehart, and Winston Publishers.

Reviewer, biology textbook chapter reviews for Freeman Miller Publishers.

Reviewer, Undergraduate proposals, Office of Research and Creative Activities, Brigham Young University, 2000.

Reviewer, Proposals to the Sant Committee, College of Biology and Agriculture, Brigham Young University, 2000.

Many others, not recorded before 2000.

## **EDITORSHIPS**

Editorial Board Member, *Western North American Naturalist*, 2008-present.  
Editorial Board Member, *Illiesia: International Journal of Stonefly Research*. 2005-present.  
Editorial Board Chair, *American Entomologist*, 2014.  
Editorial Board Member, *American Entomologist*, 2009-2014.  
Book Review Editor, *Western North American Naturalist*, Brigham Young University, 1999-2008.

## **COMMITTEES AND ADVISING**

Unit Review Committee, for Creative Works and Technology Transfer, Brigham Young University. 2017.  
University Faculty General Education Committee, Brigham Young University, 2017 – present.  
Department of Biology Mission Statement Committee, Department of Biology, Brigham Young University. 2016 – present.  
Animal Diversity Course Committee, Department of Biology, Brigham Young University. 2011 – present.  
Department Curriculum Committee, Department of Biology, Brigham Young University, 2008 – present.  
Environmental Ethics Initiative, Brigham Young University, 2011 (or so)-present.  
Department Biology 100 Advisor, Department of Biology, Brigham Young University, 2008 – 2011.  
Honors Faculty Council, Brigham Young University, 2005-2009.  
Department Curriculum Committee, Department of Integrative Biology, Brigham Young University, 2006 – 2008.  
Utah Museum of Natural History, advisory board for planning new museum, 2005-2006.  
Utah Science Education Research Committee, Brigham Young University, 4 February 2005.  
Lytle Ranch Advisory Board, M. L. Bean Life Science Museum, Brigham Young University, 2003-present.  
Arthropod Collections Advisory Committee, M. L. Bean Museum, Brigham Young University, 2001-present.  
Departmental Brochure Committee, chair, 2002-2003. Brochure completed, early 2003.  
Biodiversity Course Committee, Department of Integrative Biology, Brigham Young University, 2002-present.  
Biology 100 Committee, Department of Integrative Biology, Brigham Young University, 2001-present.  
Biomonitoring Consultant, for The Nature Conservancy of Texas, on projects for the Devils River and Dolan Creek, Val Verde Co., Texas, March 1993-present.  
College Core Curriculum Committee, College of Biology and Agriculture, Brigham Young University, 2003.  
Committee Author of biological science portion for the Brigham Young University General Education Foundation document: *Scientific Principles and Reasoning*, September 2003.  
Applied Ecology, Wildlife Committee, Department of Integrative Biology, Brigham Young University, 2001-2003.  
Curriculum review committee for the Wildlife and Wildlands focus, Department of

Integrative Biology, Brigham Young University, 2001-2002.  
Mission Statement for the Department of Integrative Biology, Brigham Young University, 2001.  
Curriculum review committee for the Wildlife and Wildlands focus, Department of Integrative Biology, Brigham Young University, 2001-2002.  
Curator's Meeting, M. L. Bean Museum, Brigham Young University, 2001.  
Department of Zoology Awards Committee, chair, Brigham Young University, 2000 and 2001.  
Member Zoology Department Hiring Committee, Brigham Young University, 1999-2001.  
Reviewer, Undergraduate proposals to the Office of Research and Creative Activities, Brigham Young University, 2000.  
Reviewer, Proposals to the Sant Committee, College of Biology and Agriculture, Brigham Young University, 2000.  
Faculty Undergraduate Advisor for the Bachelor of Science in Biology (Ecology, Evolution, and Conservation) degree in the College of Natural Sciences, University of Texas, 1994-1999.  
Faculty Computer Advisor, Division of Biological Sciences, University of Texas, 1993-1999.  
College Scholarship Committee, College of Natural Sciences, University of Texas, 1996-1999.  
Friends of McKinney Falls State Park, Scientific Committee, Austin, Texas, 1998-1999.  
Educational Advisory Committee, Lower Colorado River Authority, McKinney Roughs Project, 1996-1999.

#### **GRADUATE COMMITTEES CHAIRED BY C. R. NELSON**

Ahlstrom, Elizabeth (Betsey) Department of Integrative Biology, BYU, 2004-2005.  
Withdrew from university for health reasons.  
Easley, Gregg. 1994-1996. Caddis flies of the Dolan Ranch Preserve, Division of Biological Sciences, University of Texas, Austin, Awarded MS. CRN was Research Project Chair.  
Fisher, Makani L. 2016. Lichen Moths of Utah, and more. Department of Biology, BYU.  
Started Fall 2016, Completed, December 2018.  
Hansen, Robert S. 1992-1996. Biomonitoring of Barton Creek, Austin, Texas. Department of Zoology, University of Texas, , Project.. Awarded MS. CRN was Research Project Chair.  
Hapairai, Limb M.K. 2006-2008. Flies and their diversity on Maupiti, French Polynesia. Department of Biology, BYU, Awarded MS.  
Judson, Sarah Walker. 2008-2010. Taxonomy and applied biogeography of Mongolian stoneflies. Department of Biology, BYU. Awarded MS.  
Kuehnl, Cody 2000-2002. The crawling water beetles (Haliplidae) of Utah; taxonomy and biogeography. Department of Zoology and Department of Integrative Biology, BYU. Awarded MS.  
Leopold, Arlesa. 1996-2001. Recolonization mechanisms of macroinvertebrates of Barton Creek, Travis Co., Texas. Department of Entomology, Clemson University. Awarded PhD. CRN was Research Chair while at the University of Texas, Austin.

#### **GRADUATE COMMITTEES**

Joshua Day, 2016 – present. Insects in burned rangelands. Department of Plant and Wildlife Science. Completed Summer 2018.

Clint Laidlaw, 2012 – 2016. Evolutionary ecology of burying beetles. Department of Biology, BYU.

Sproul, John. 2010 – 2012. Molecular work with stoneflies, including phylogeography of *Pteronarcella*. Department of Biology, BYU. Awarded MS.

Call, Christina. 2008-2010. Stages of acceptance of inquiry-based methods by secondary teachers. Department of Biology, BYU. Awarded MS.

Groneman, Katie. 2008-2009. The trouble with transfer. Department of Biology, BYU. Awarded MS.

Davies, Christian. 2007-2012. Science education and administration research. Department of Biology, BYU. Left program 2012.

Martin, Camie. 2008 – 2012. A Survey of Invasive Ants Found on the Hawaiian Islands. Department of Plant and Wildlife Sciences, BYU. Awarded MS.

Kent, David. 2009-2010. Teacher's knowledge of Nature of Science influences student knowledge of Nature of Science. Department of Biology, BYU. Awarded MS.

Betts, David. 2007-2010. Investigation of potential trapping bias of insects in malaise traps due to mesh gauge in two habitats. Department of Biology, BYU. Awarded MS.

Mitchell, Adam. 2008-2010. Science education inquiry-based methods. Department of Biology, BYU. Awarded MS.

Zhou, Wei . 2008-2009. Molecular studies of plague and their flea vectors. Department of Microbiology and Molecular Biology, BYU.

Johnson, Robert. 2005-2008. Insects in rangeland systems. Department of Biology, BYU. Awarded PhD.

Price, Laura. 2006-2008. Inquiry-based science in at-risk populations. Department of Biology, BYU, Awarded MS.

Gardner, Eric. 2006-2008. Insect diversity in rangeland communities. Department of Biology and Department of Plant and Wildlife Sciences, BYU. Awarded MS.

Morrison, Sara. 2006-2008. Question quality and frequency in secondary classrooms. Department of Biology, BYU. Awarded MS.

Froerer, Karen. 2007-2008. Oriental fruit fly dispersal in Hawaii. Department of Biology, BYU Awarded MS.

Coleman, Aleisha. 2005-2006. Insects associated with endangered plants on the Grand Staircase - Escalante National Monument. Department of Integrative Biology, BYU.

Friden, Kelly. 2004-2006. Authentic and simulated professional development: teachers reflect what is modeled. Department of Integrative Biology, BYU. Awarded MS.

Ayala, Jill. 2003-2006. Ground-truthing the impact of invasive species: spatio-temporal overlap between native least chub and introduced western mosquitofish. Department of Integrative Biology, BYU. Awarded MS.

Battisti, Bryce. 2002-2004. Misconceptions in students while learning of natural selection. Department of Integrative Biology, BYU. Awarded MS.

Terry, Matthew. 1999-2003. Molecular phylogeny of world Plecoptera families. Department of Zoology, BYU. Awarded PhD.

Jessop, Brad. 1999-2001. Recolonization of vegetation and insects in burned cheatgrass systems. Department of Botany and Range Science, BYU. Awarded MS.

Petr, Dan. 1996-2001. Ultrastructure of butterfly mouthparts. Department of Biological Sciences, University of North Texas, Awarded PhD. CRN served while at the University of Texas, Austin.

- Barber, Janet. 1997-2000. Origin and evolution of endemic *Sideritis* Linnaeus (Lamiaceae) in Macaronesia. Department of Botany, University of Texas, Austin. Awarded PhD.
- Abbott, John. 1996-1999. Distribution and taxonomy of Odonata in Texas and surrounding areas. Department of Biological Sciences, University of North Texas, Awarded PhD. CRN served while at the University of Texas, Austin.
- Alexander, Kevin. 1994-1997. Systematic revision of *Suwallia* (Plecoptera: Chloroperlidae). Department of Biological Sciences, University of North Texas. Awarded PhD. CRN served while at the University of Texas, Austin.
- Schaefer, Sheryl. 1995. Migration physiology of grasshoppers. Department of Zoology, University of Texas, Austin. CRN was on Graduate Examination Committee.

**UNDERGRADUATE AND GRADUATE RESEARCH STUDENTS MENTORED AND NOTED ACHIEVEMENTS. Brigham Young University (BYU), Office of Research and Creative Activities (ORCA)**

2018

- Fisher, M. L. 2018. See Presentations section below.
- Stadler, H. 2018. Image scanning of natural history photographs.
- Keuler, R. 2018. Image scanning of natural history photographs.

2017

- Bennion, Anne. 2017. Ethnobotany in Malawi. BYU ORCA grant proposal submitted.
- Birrell, Jackson et al.. 2017. Loss of the giant stonefly *Pteronarcys californica* in the Provo River, Utah (Insecta: Plecoptera). Annual meeting of the Entomological Society of America, Denver, Colorado.
- Clement, R. A. and six other undergraduate students. 2017. Insect life. Provost Elementary School, Provo, Utah.
- Fisher, Makani L. and C. R. Nelson. 2017. Metabolomics, feeding behavior, and host association of western North American *Cisthene*. The Lepidopterists' Society, Tucson, Arizona.
- Fisher, Makani L. et al.. 2017. Spongillafly biology in Utah (Neuroptera: Sisyridae: *Climacia californica*). Annual meeting of the Entomological Society of America, Denver, Colorado.
- Meek, Jared et al.. 2017. Efficacy of restoration efforts in the Provo River, Utah with respect to aquatic insect diversity and abundance. Annual meeting of the Entomological Society of America, Denver, Colorado.
- Mulford, Teagan. 2017. Fruit piercing moths of Vanuatu. BYU ORCA grant proposal submitted.
- Roan, Samantha. 2017. Aquatic biomonitoring in Virginia. BYU ORCA grant proposal submitted.

2016

- Adams, Mailet. 2016. Freshwater Guide.
- Anderson, R. 2016. Mimicry in Robber flies: Wolves in Sheep's Clothing? BYU ORCA grant proposal submitted.
- Birrell, Jackson. 2016. Talk at North American Plecoptera Symposium.

Birrell, Jackson. 2016. Loss of the charismatic giant stonefly *Pteronarcys californica* in the Provo River, Utah (Insecta: Plecoptera). BYU ORCA grant proposal submitted.

Brown, Sarahbeth. 2016. Freshwater Guide.

Clement, Rebecca. 2016. Talk at International Congress of Entomology. Migrating to Bybee lab.

Ellsworth, Teagan. 2016. Freshwater Guide .

Fisher, Makani. 2016. Talks at North American Plecoptera Symposium and Annual Meeting of the Dragonfly Society of the Americas. Started graduate school at BYU.

Meek, Jared. 2016. Provo River Restoration: Success or Failure? BYU ORCA grant proposal submitted.

Porter, Michael. 2016. Scorpion fluorescence manuscript submitted.

Roan, Samantha. 2016. Insect studies.

Rupard, Maya. 2016. Insect studies.

Sambongi, Shun. 2016. Programming of Freshwater Guide in JSON and HTML5.

Smith, Samantha. 2016. Insect studies, migrating to Bybee lab.

Terry, Tyson. 2016. Poster at International Congress of Entomology

## 2015

Birrell, Jackson. 2015. Abundance and Distribution of *Pteronarcys* in the Provo River. BYU ORCA grant proposal submitted.

Clement, Rebecca. 2015. Effect of Grazing on Diptera Diversity in Mongolia. BYU ORCA grant proposal submitted.

Ellsworth, Teagan. 2015. The effects of scent on pan trapping pollinating insects in Utah. BYU ORCA grant proposal submitted.

Fisher, Makani. 2015. First Record of Sisyridae (spongillafly) in Utah. BYU ORCA grant proposal submitted.

Smith, Samantha. 2015. Documentation of host plants for new Agromyzidae species on Mount Timpanogos. BYU ORCA grant proposal submitted.

Terry, Tyson. 2015. Pollinator Hierarchy in Utah County Apple Orchard. BYU ORCA grant proposal submitted.

Waldron, Alice. 2015. "Insect art and children". BYU ORCA grant proposal submitted, main advisor Mark Graham.

## 2014

Brown, Sarahbeth. 2014. Expanding the *Freshwater Aquatic Invertebrate Identification Guide* to create an enhanced tool for inquiry-based learning and identification of aquatic invertebrates. BYU ORCA grant proposal submitted.

Fisher, Makani. 2014. Dragonflies and damselflies (Odonata) and more in *Freshwater Invertebrates of Western North America*. BYU ORCA grant proposal submitted.

Smith, Samantha. 2014. Assessment of biodiversity on Mount Timpanogos with a focus on flies, Diptera: Agromyzidae. BYU ORCA grant proposal submitted.

Vonasek, Morgan. 2014. Altitudinal and Seasonal Distribution of Empididae of American Fork Canyon with special reference to the genus *Clinocera*. BYU ORCA grant proposal submitted.

Waldron, Mary Alice. 2014. New species of *Heteropogon* from Texas. BYU ORCA grant proposal submitted.

2012

- Clement, Rebecca. 2012. Great Basin National Park Diptera. BYU ORCA grant proposal submitted. Not funded.
- Robinson, David. 2012. Macroinvertebrate Survey of the Timpanogos Cave System. BYU ORCA grant proposal submitted. Not funded.
- Smith, Samantha. 2012. Study of Aquatic Macro-invertebrates at Beaver Dam Wash. BYU ORCA grant proposal. Not funded.

2011

- Otis, M. 2011. The effects of heavy grazing on dipteran family diversity in the riparian zones of Mongolia. BYU ORCA grant proposal submitted. Not funded.

2010

- McKnight, Tristan. 2009. An evaluation of robber fly (Diptera: Asilidae) diversity in Mongolia. BYU ORCA grant proposal submitted and funded.

2009

- Buckner, Benjamin. 2009. First recorded drumming pattern for the small winter stonefly *Capnia nana*. BYU ORCA grant proposal submitted.
- Frandsen, Paul. 2009. Dance flies (Diptera: Empididae) of Mongolia. BYU ORCA Grant proposal submitted.
- Frandsen, Paul. 2009. A survey of dance flies (Diptera: Empididae) in Mongolia ORCA Grant Award.
- Judson, Sarah Walker. 2009. Presidential award, North American Benthological Society.

2008

- Walker, Sarah. 2008. Altitudinal zonation in aquatic insects. BYU Honors Thesis completed.
- Walker, Sarah. 2008. Life History of *Pictetiella*, a rare stonefly. BYU ORCA Grant awarded.
- Bankhead, Elizabeth. 2008. Brachycera (Diptera) of Mount Timpanogos. BYU ORCA Grant awarded.
- Wertz, Josh. 2008. Diptera in Mongolia. BYU ORCA Grant awarded.
- Buckner, Benjamin. 2008. Biomonitoring of aquatic insects. BYU ORCA Grant proposal submitted.
- Martin, Craig. 2008. Stonefly drumming. BYU ORCA Grant proposal submitted.

2007

Walker, Sarah. 2007. Altitudinal zonation in aquatic insects Honors Thesis Advisement and BYU ORCA grant awarded.

Wertz, Josh. 2007. Mycetophilidae of Mongolia. BYU ORCA Grant proposal submitted.

Collins, Jonathan. 2007. The species area relationship in desolate parts of southern Utah. BYU ORCA Grant proposal submitted.

Bankhead, Elizabeth. 2007. Brachycera (Diptera) of Mount Timpanogos ORCA Grant proposal submitted.

Frandsen, Paul. 2007. Ants of Maupiti and Hawaii. BYU ORCA grant awarded.

2006

Walker, S. 2006. Analysis of lichen inhabiting scrub oak trees as indication of sun exposure intensity in Rock Canyon, Provo, Utah. Department of Integrative Biology. BYU. Phi Kappa Phi 2006 Student Paper Awards, Sophomore First Place.

Hapairai, Limb M. K. 2006. The nematoceros flies of Maupiti. BYU ORCA grant proposal submitted and awarded.

Sisson, Brock. 2006. Carboniferous Megasecopteran insect from the Manning Canyon Shale. BYU ORCA grant proposal submitted and awarded.

2005

2 presentations proposed at meetings of the Entomological Society of America in Fort Lauderdale, Florida. Meetings were cancelled due to hurricane.

2004

2 presentations involving undergraduates at the Annual Meeting of the Entomological Society of America, Salt Lake City, Utah. 15-16 November 2004. See Presentations section for details.

8 presentations involving undergraduates at the Utah Chapter of the Wildlife Society annual meeting Provo, Utah. 4-6 February 2004. See Presentations section for details.

2003

4 undergraduates (William Barron, Allison Bingham, Janet Lee, and Sarah Kendall) submitted mentoring proposals to the Brigham Young University Office of Research and Creative Activities. I was listed as the mentor for each in Fall 2003. None were funded.

3 undergraduates (Todd Anderson, Joshua Nehring, and Mark Nelson) submitted mentoring proposals to the Brigham Young University Office of Research and Creative Activities. I was listed as the mentor for each in Fall 2003. Those of Todd Anderson and Mark Nelson were funded.

32 individual students, with projects, mentored at Brigham Young University, 2006.

30 individual students, with projects, mentored at Brigham Young University, 2005.

29 individual students, with projects, mentored at Brigham Young University, 2004.

30 individual students, with projects, mentored at Brigham Young University, 2003.

18 individual students, with projects, mentored at Brigham Young University, 2002.

13 individual students, continued mentoring in 2003 as evidenced by letters of recommendation requested and fulfilled for students with Texas connections.

26 individual students, with projects, mentored at Brigham Young University, 2001.  
10 individual projects at Brigham Young University, 2000.  
50 individual projects at the University of Texas.

**MENTORED STUDENTS, WHERE DID THEY GO (as of December 2013) NEED TO UPDATE for 2014-2016. Maintained as Excel spreadsheet elsewhere.**

**BYU YEARS:**

Adamo, Brandon. 2010-2011. Teaching assistant.  
Adams, Sterling. 2014-2015. Mentored in my lab, Provo.  
Ahlstrom, Elizabeth (Betsey). 2003. Field technician, Princeton University, New Jersey.  
Ahlstrom, Elizabeth (Betsey). 2004-2005. Field technician, Las Vegas, Nevada, for Utah State University.  
Ahlstrom, Elizabeth (Betsey). 2005. MS candidate, BYU.  
Ahlstrom, Elizabeth (Betsey). 2009. Home in Ohio, health finally better.  
Almendra, Ana Laura. 2011. Graduate teaching assistant.  
Anderson, Ethan Russell. 2012-2013. Mentored in lab at BYU. Freshwater Identification Guide.  
Anderson, Ethan Russell. 2013. Mission to Malaysia.  
Anderson, Todd. 2005. Student at BYU.  
Ashton, Justin. 2007. In dental school at University of Southern California,  
Ashton, Justin. 2005-2006. Mentored in lab at BYU and field assistant in Maupiti.  
Ayala (Nielsen), Jill. 2004. Working on Invertebrate ID CD. BYU. Married Jerry Ayala.  
Ayala, Jill. 2005. MS awarded at BYU.  
Ayala, Jill. 2007. Mothering Jonas in Provo, Utah.  
Ayala, Jill. 2009. Teaching at Utah Valley University, Orem, Utah.  
Ball, Brita. 2005. Mentored in lab at BYU, Utah.  
Ball, Brita. 2006. Seeking entrance into dental school.  
Bankhead, Elizabeth. 2004-2005. Mentored in lab at BYU.  
Bankhead, Elizabeth. 2006-2007. Mission to South Korea.  
Bankhead, Elizabeth. 2007-2008. Mentored in lab at BYU.  
Bankhead, Elizabeth. 2009. Employed in Salt Lake City, working on the Great Salt Lake surveys associated with the Division of Natural Resources.  
Bankhead, Elizabeth. 2013. Employed in UU Medical Research lab in Salt Lake.  
Bankhead, Elizabeth. 2013. Published a Jane Austen game.  
Bankhead, Elizabeth. 2014. Pursuing job as a graphic designer.  
Baker, Jordan. 2012-2013. Teaching assistant in Biology 100.  
Battisti, Bryce. 2002-2003. Mentored MS in lab at BYU.  
Battisti, Bryce. 2004. PhD candidate, University of California at Davis, California.  
Baum, Elizabeth. 2012. Mentored in lab at BYU, Freshwater Field Guide.  
Baum, Elizabeth. 2013. Mission in Vladivostok, Russia.  
Baum, Elizabeth. 2014. Back in Provo from mission in Vladivostok, Russia.  
Bearry, Ian. 2005. Mentored in lab at BYU.  
Bell, Amy. 2005. Ant technician, Dr. Steven Peck's Lab, BYU.  
Bell, Amy. 2006. Biological technician, University of California at Davis.  
2005-2006. Mentored in lab  
Bennett, Tyler. 2010-2011. Teaching assistant.

Betts, David. 2006-2010. MS candidate, teaching assistant, lab technician BYU.  
Betts, David. 2013. Began Ph.D. in water sciences at USU.  
Betts, David. 2018. Working in Boise, Idaho.  
Bluth, Emily Kuttler. 2007-2008. Virtual Biology.  
Bluth, Emily Kuttler. 2009-2012. Public school teacher in Houston, Texas.  
Bluth, Emily Kuttler. 2012. Mother of Alex in Hawaii.  
Bluth, Scott. 2008. Virtual Biology.  
Bluth, Scott. 2009-2012. Medical school in Houston Texas.  
Bluth, Scott. 2013. Medical residency in Hawaii.  
Brown, Sarahbeth, 2014-2015. Mentored in my lab. Biology 100 teaching assistant.  
Buckner, Ben. 2008-2010. Mentored in lab. Off to medical school.  
Buckner, Ben. 2018. Working as an ophthalmologist at Hooper Vision in Sandy?, Utah.  
Bullen, Russell. 2005-2008. Mentored in lab at Brigham Young University.  
Bullen, Ryan. 2005. mentored in lab at Brigham Young University.  
Bybee, Emily. 2005. Mentored in two labs at BYU and field assistant in Maupiti.  
(Bybee) Stembridge, Emily. 2008. Married in Provo.  
(Bybee) Stembridge, Emily. 2013. Married with children in Provo.  
Bybee, Seth. 2004. Mentored in lab at BYU.  
Bybee, Seth. 2005 PhD candidate working with Odonata, University of Florida, Florida.  
Bybee, Seth. 2010 Postdoc at University of California, Irvine, working with Odonata,  
University of Florida, Florida, later Postdoc at BYU.  
Bybee, Seth. 2010. Postdoc at BYU.  
Bybee, Seth. 2012-2015. Assistant Professor at BYU.  
Bybee, Seth. 2018. Associate Professor at BYU.  
Cavan, Dan. 2001. Mentored in lab at BYU, field assistant Grand Staircase - Escalante  
National Monument, Utah.  
Cavan, Dan. 2004. Real estate agent, Provo, Utah.  
Cavan, Dan. 2009. Real estate agent, Provo, Utah.  
Chotoo, Nikita. 2009-2010. BYU Robber flies of Trinidad.  
Christensen, Ross. 2010-2013. Teaching assistant.  
Christensen, Ross. 2013. Medical School in Iowa.  
Clarke (Kellems), Kristin. 2002. Mentored in lab at BYU, field assistant Grand Staircase -  
Escalante National Monument, Utah. Married, get year.  
Clarke-Kellems, Kristin. 2004. In law school, Washburn University, Topeka, Kansas.  
Clarke-Kellems, Kristin. 2018. Works with research development at BYU.  
Clement, Rebecca. 2012-2013. Mentored in lab at BYU. Great Basin National Park Diptera.  
Clement, Rebecca. 2013. Mission to Amsterdam, The Netherlands.  
Clement, Rebecca. 2015. Back from mission to Amsterdam, The Netherlands.  
Clement, Rebecca. 2018. In graduate school at George Washington University.  
Collins, Jonathan. 2007-2008. Mentored in labs at BYU.  
Collins, Jonathan. 2008. Started dental school at University of California at San Francisco,  
Collins, Jonathan. 2009. Special international dental fellowship, 2009.  
Conan, Tasia. 2006. Mentored as teaching assistant at BYU and research assistant in French  
Guiana.  
Davenport, Denton. 2006. Mentored in lab at BYU.  
Davis, Nick. 2010-2013. Mentored on Plecoptera systematics.

Davis, Nick. 2013. In Ph.D. program, Iowa State University, Diptera systematics.

Edmonds, Paul. 2009-2011. Mongolia research at BYU.

Edmonds, Paul. 2013. Working in Eureka, California.

Edmunds, Ryan. 2003. Mentored in lab at BYU.

Edmunds, Ryan. 2004. Dental school, Virginia Commonwealth University, Virginia.

Elder, Jared. 2011-2012. Mentored sorting in BYU lab.

Enkhtaivan, Sanaa 2005-2007. 2011. Research technician, Lake Hovsgol & Selenge River projects, Mongolia.

Enkhtaivan, Sanaa 2006-2011. Advanced degree programs, Japan.

Fazio, Julianna. 2009-2010. Research in lab.

Fisher, Makani. 2014-2015. Mentored in my lab.

Fisher, Makani. 2018. Finished his Master's degree with me in 2018.

Frandsen, Paul. 2007-2010. Research in lab, Maupiti and Mongolia.

Frandsen, Paul. 2010-2013. in Ph.D. program at Rutgers in Trichoptera systematics.

Frandsen, Paul. 2015. Headed to Smithsonian for postdoc.

Frandsen, Paul. 2018. Assistant Professor in the Department of Plant and Wildlife Sciences, BYU.

Frischknecht, Adam. 2003. Technician on Mount Timpanogos project, BYU.

Frischknecht, Adam. 2006. Served on Honor's thesis committee, BYU.

Frischknecht, Adam. 2006. Headed to graduate school at University of Michigan working with prosthetics.

Frischknecht, Adam. 2010. Headed to Medical School.

Froerer, Karen. 2006. Mentored in lab at BYU. Lick Wash project.

Goates, Michael. 2005. MS candidate at BYU.

Goates, Michael. 2010-2018. Science librarian at BYU.

Goodman, Mark. 2005-2008. Mentored in lab and as Entomology Club President at BYU.

Goodman, Mark. 2009-2013. Graduate school in Kentucky.

Green, Elizabeth "Bessie". 2001-2002. Research technician, Grand Staircase project.

Green, Elizabeth "Bessie". 2002-2013. Alaska for M.S., Ph.D. and work.

Green, Elizabeth "Bessie". 2014. Had a baby in Alaska.

Greenhalgh, Ward. 2010. Teaching assistant.

Griggs, Hadley. 2014-2015. Mentored in my lab, writing specialist.

Grover, Thayne. 2003. Technician on Mount Timpanogos project, BYU.

Grover, Thayne. 2005. pharmacist school in Nevada. 2005.

Guptill, Julie 2003. Technician on Mount Timpanogos project, BYU.

(Guptill) Ward, Julie 2004. Enrolled at BYU, married.

Gynn, Steven. 2009-2010. Teaching assistant. Law school aspirations.

Hall, McAllister "Callie". 2011-2015. Mentored in lab at BYU. Slide database specialist.

Hapairai, Limb M. K. 2003. Mentored in lab at BYU.

Hapairai, Limb M. K. 2004-2005. Mission in Idaho.

Hapairai, Limb M. K. 2006. Mentored in lab at BYU

Hapairai, Limb M. K. 2006 – 2008. MS program at BYU, Maupiti project. Field technician several seasons in Maupiti.

Hapairai, Limb M. K. 2009-2010. Oxford University in England, working on a doctorate.

Hapairai, Limb M. K. 2010. Married to Poerava Brodien.

Hapairai, Limb M. K. 2011. Doctoral research at Malardé Institute, Tahiti.

Hapairai, Limb M. K. 2012. Daughter born in Tahiti, December 2012.

Hapairai, Limb M. K. 2013. Completed doctorate at Oxford.

Hapairai, Limb M. K. 2015. Mini “postdoc” with me in Provo.

Hapairai, Limb M. K. 2018. Postdoc at Notre Dame University.

Hart, Shelly. 2006. Mentored as teaching assistant at BYU and research assistant in French Guiana.

Hart, Shelly. 2008. Mission in United States.

Hartvigson, Pehr. 2007. Labeling in lab.

Hernandez, Melissa. 2005-2006. Mentored in lab at BYU as a Provo High School student.

Hoag, Jessica. 2010-2011. Teaching assistant.

Hoag, Jessica. 2011-2013. Married in 2012, BYU undergraduate.

Hughes, Garrett. 2006. Mentored in lab at BYU.

Hughes, Garrett. 2009. Graduate school at West Texas A & M.

Hughes, Garrett. 2012-2013. Graduate school at University of Arizona.

Huntzinger, Kim. 2001. Research technician, Grand Staircase project.

Jacobson, Preston 2005-2006. Mentored in lab at BYU.

Jensen, Kendal. 2006-2008. Mentored in lab at BYU on cutaneous larval migrans.

Jensen, Kendal. 2009. In medical school.

Johnson, Robert. 2005-2008. Mentored in lab at BYU.

Johnson, Robert. 2009-2013. Working for Southern Nevada Water Authority, Moapa, Nevada.

Johnson, Robert. 2013-2018. Herbarium Collections Manager, BYU.

Karimdady, Farin. 2012-2013. Mentored in lab at BYU.

Kendall, Sarah. 2005-2006. Mentored in lab at BYU, field assistant in Maupiti.

(Kendall) Taber, Sarah. 2006. Married

(Kendall) Taber, Sarah. 2006. Internship with Morinda, Tahitian Noni, including time in Maupiti.

(Kendall) Taber, Sarah. 2008. beginning graduate program at University of Florida, Gainesville.

(Kendall) Taber, Sarah. 2009. Brought daughter to BYU lab.

Kimball, Kailey. 2005-2006. Mentored in lab at BYU and field technician in Maupiti.

Kimball, Kailey. 2008. Working in entomology lab, Western Washington University.

Kimball, Kailey. 2018. Working in a natural history museum in Washington state.

Ko, Allison. 2009. Teaching assistant. Mission in Taiwan.

Krebs, Thomas. 2005. Mentored in lab at BYU.

Krebs, Thomas. 2005. MS candidate, Northern Illinois University, Illinois.

Kuehnl, Kody. 2000-2002. MS candidate in lab at BYU, including technician on the Grand Staircase - Escalante National Monument.

Kuehnl, Kody. 2005. Ph.D. candidate at Ohio State University, Ohio.

Larsen, Derek. 2011-2012. Mentored in lab at BYU.

Larson, Drew. 2004. Mentored in lab at BYU.

Leber, Rachel. 2010-2011. Teaching assistant in Biology 100.

Leber, Rachel. 2013. Public school teacher.

Leber, Sarah. 2013-2015. Teaching assistant in Biology 100.

Lee, Janet E. 2003. Field technician on the Grand Staircase - Escalante National Monument

and mentored in BYU lab.

Lee, Janet E. 2004. Field biologist, Division of Wildlife Resources, Utah.

Lee, Janet E. 2005-2006. Mentored in lab at BYU.

Lee, Janet E. 2006-2008. MS program with pygmy rabbits at BYU with J. Flinders.

Lee, Janet E. 2009. Married in Provo, still working with pygmy rabbits. Name change?

(Pierces) Lee, Janet E. 2013. Married in Provo.

Lindquist, Katie. 2010-2011. Mongolia technician.

Litzenberger, Annie. 2013-2014. Mentored in lab at BYU, aquatic ecology.

Lloyd, Shane. 2003. Mentored in lab at BYU.

Lloyd, Shane. 2004. Medical school, Yale University, Connecticut.

Loveland, Elisabeth. 2014. Biology 100 teaching assistant.

Lyman, Seth. 2003. Mentored in lab at BYU.

Lyman, Seth. 2004. MS candidate, University of Nevada, Reno, Nevada.

Marble, Jorden. 2009-2010. Research on Virtual Biology Laboratories.

Marble, Jorden. 2015. Research on Virtual Biology Laboratories.

Martin, Camie. 2007-2012. Ants of Hawaii and teaching assistant.

Martin, Camie. 2012-2018. Completed MS, moved to Florida. Two children.

Martin, Craig. 2008-2011. Research in lab.

Masterson, Bryan. 2014. Biology 100 teaching assistant.

McDonald, Jordan. 2007-2008. Virtual Biology.

McDonald, Jordan. 2009. Medical school.

McKnight, Tristan A. 2008-2011. Research in Mongolia.

McKnight, Tristan A. 2012-2013. In Ph.D. program at University of Michigan, Asilidae.

McKnight, Tristan A. 2018. Finished Ph. D. now working as a professor in New York.

Mendel, Wendy. 2001-2002. Research technician, Grand Staircase project.

(Jessop) Mendel, Wendy. 2003 or so. Married Brad, moved to Washington for his Ph.D.

(Jessop) Mendel, Wendy. 2004 or so-2013. Back to Utah, three children.

Merkley, Steven. 2008-2010. Graduate teaching assistant.

Merkley, Steven. 2013. Ph. D. program.

Meyers, Christy. 2008-2010. Teaching assistant.

(Haggard) Meyers, Christy. 2012-2018. Provo, Utah, in my ward.

Mitchell, Kevin. 2013. Graduate teaching assistant in Entomology.

Mitchell, Kevin. 2014. Student in my class Aquatic Entomology.

Murdock, Scott. 2006-2007. Mentored in lab at BYU.

Nelson, Andrea. 2003-2005. Field technician on the Grand Staircase - Escalante National Monument.

Nelson, Andrea. 2006-2007. Mentored in lab at BYU.

Nelson, Andrea. 2005 – 2006. Mission to Argentina,

Nelson, Andrea. 2009-2010. Environmental Humanities MS program University of Utah, 2009.

Nelson, Andrea. 2011-2014. Education Director, Friends of the Great Salt Lake, Salt Lake City, Utah.

Nelson, Andrea. 2014-2018. Education Director, The Nature Conservancy, Salt Lake City, Utah.

Nelson, Karlyn. 2005 . Mentored in lab at BYU.

Nelson, Mark. 2005. Mentored in lab at BYU.

Olsen, Andrew. 2003. Technician on Mount Timpanogos project, BYU.

Olsen, Andrew. 2004. Enrolled at BYU.

Olsen, Andrew. 2009. Accepted to medical school.

Hawkins (Orsak), Melissa. 2002-2003?. Mentored in lab at BYU.

Orsak, Melissa. 2004. Insurance agent, Provo, Utah.

Osborne, Jonathan. 2005-2008. Mentored in two labs and teaching assistant at BYU.

Otis, Matt. 2011-2013. Mentored in lab at BYU. Yellow pan traps in Mongolia.

Pierce, Kirsten. 2010-2012. Teaching assistant.

(Caceres) Pierce, Kirsten. 2012-2013. Married, married, expecting first child 2014.

Pingree, Laura. 2008. Mentored in lab at BYU. Redd Center Grand Staircase.

Plaster (Bingham), Allison. 2005-2006 mentored in lab and teaching assistant at BYU.

Plaster (Bingham), Allison. 2006. Moved to Portland, Oregon.

Porter, Michael. 2012-2013. Mentored in lab at BYU. Scorpions.

Porter, Michael. 2012-2013. BYU Entomology Club president.

Porter, Michael. 2013-2014. BYU biochemistry student.

Powers, Jessica. 2014. Mohave insects book editor in lab.

Reece (Woodfield), Rachel. 2009-2010. Laboratory technician.

Roan, Samantha. 2013. Mentored in lab at BYU, aquatic ecology.

Roan, Samantha. 2014-2015. Mission to San Fernando, California.

Robinson, David. 2010-2013. Mentored in lab at BYU. Timpanogos Cave.

Robinson, David. 2014. Accepted to dental school.

Robinson, David. 2014-2015. In dental school in Arizona.

Rodriguez, Ivan. 2013. Graduate teaching assistant in Biology 100.

Ross, Nathan. 2004. Mentored in lab at BYU.

Ross, Nathan. 2004. Pharmacy school, Nevada.

Rodriguez, Vanessa. 2005. Mentored in lab at BYU.

Savage, Katie. 2008. INHUT teaching assistant.

Schauerhamer, Andrew. 2007. Mentored in lab at BYU. Labeling.

Shaw, Hope. 2008-2009. Teaching assistant.

(Wertz) Shaw, Hope. 2010. Married living in Provo.

(Wertz) Shaw, Hope. 2012. Began Ph.D. program in South Carolina.

Shields, Justin. 2003. Field technician on the Grand Staircase - Escalante National Monument.

Shields, Justin. 2004. Medical school, University of St. Louis, Missouri.

Shields, Justin. 2009. Medical school, Graduated by 2009.

Shrestha, Gajendra. 2008-2012. Graduate teaching assistant.

Shurtz, Kira. 2008-2009. Biology 100 teaching assistant.

Sisson, Brock. 2005-2008. Mentored in lab at BYU.

Sisson, Brock. 2013. Paleontological entrepreneur, Utah Valley, Utah.

Sorbonne, Paris. 2011. Teaching assistant for Biology 100.

Smith, Brett. 2005-2006. Mentored in lab at Brigham Young University.

Smith, Brett. 2006. Medical school at University of Utah?.

Smith, Samantha. 2012. Mentored in lab at BYU. Aquatic insects of Lytle Preserve.

Smith, Samantha. 2013-2014. Mission to Frankfurt, Germany.

Smith, Samantha. 2014. Back in Provo from mission to Frankfurt, Germany.

Smith, Samantha. 2014-2015. Biology 100 and Animal Diversity teaching assistant.

Smith, Samantha. 2014-2015. Mentored research, Diptera and Aquatic insects.

Smith, Samantha. 2017-2018. Working on Ph.D. at University of California at Riverside. Systematics of Reduviidae.

Sproul, John. 2010-2012. MS Committee, Graduate teaching assistant.

Sproul, John. 2012-2013. In Ph.D. program, Oregon State University, Carabidae systematics.

Sproul, John. 2018. Finished Ph.D., now a postdoc in New York.

Stark, Camilla. 2014-2015. Biology 100 and Nature & Culture teaching assistant.

Stark, Camilla. 2018. Working as a designer near Provo, Utah.

Stimpson, Roger. 2006-2008. Mentored in lab at BYU.

Stucki, Grant. 2003. Technician on Mount Timpanogos project, BYU..

Stucki, Grant. 2005. Entered dental school, University of California at Los Angeles.

Stucki, Grant. 2006. Married.

Stucki, Jacob. 2014. Mentored in computers and Aquatic Insects.

Stutz, Heather. 2005-2006. Mentored in two labs at BYU, stable isotopes in temporary pools project.

(Stutz) Semon, Heather. 2006-2009. MS at BYU with Dr. Shiozawa.

Stutz, Heather. 2009-2010. TA in Biology.

(Stutz) Arao, Heather. 2010. Married and teaching school.

Tappen, Clarice. 2004. Working on Invertebrate ID CD. BYU.

Tappen, Clarice. 2006. Master of Public Health program at the University of Utah.

Tappen, Clarice. 2007. Saw as mother living in Salt Lake City, Utah. Married name?

Vonasek, Morgan. 2014-2015. Mentored in Diptera taxonomy.

Waldron, Mary Alice. 2014-2015. Mentored in Asilidae.

Walker, Sarah. 2005-2008. Mentored in lab at Brigham Young University. Field technician in Maupiti.

Walker, Sarah. 2006-2008. Advised on Honor's thesis, Mount Timpanogos.

(Walker), Judson Sarah. 2008. Married July.

(Walker), Judson, Sarah. 2008-2010. MS student in my lab at BYU. Trip to Mongolia.

(Walker) Judson, Sarah. 2011. Working in aquatic insect laboratory, USU, Logan, Utah.

(Walker) Judson, Sarah. 2012-2013. Raising first child in San Diego, California.

(Walker) Judson, Sarah. 2014-2015. Raising second child in Bay Area, California. Passed away 2015.

Walton, Jeffrey. 2009-2010. Teaching assistant.

Weeks, Sarah. 2010-2014. Teaching assistant.

Welch, Kelton. 2007. Mentored in lab at BYU. Maupiti Diptera.

Wertz, Joss. 2004-2008. Mentored in lab at BYU. Field technician in Mongolia.

Wertz, Joss. 2009. Alarm company worker.

Wertz, Joss. 2010 or so. Medical school.

Widdison, Ryan. 2009. Teaching assistant.

Widdison, Ryan. 2010-2011. Invertebrate Identification guide technician.

Widdison, Ryan. 2011-2013. In optometry school in St. Louis, Missouri.

Williams, Robert. 2012. Mentored in lab at BYU. Diptera.

Willmore, Andrew. 2009-2010. Laboratory technician. On mission.

Willmore, Andrew. 2013. Undergraduate at BYU, Provo, Utah.

Workman, Todd. 2014-2015. Biology 100 teaching assistant.

Wyatt, Jonathan. 2006. Mentored in lab at Brigham Young University.

Young, Carina. 2003. Mentored in lab at BYU.  
Young, Carina. 2004. MS candidate at College of William and Mary, Virginia.  
Zechiel, Katie. 2004. Teaching assistant for Biology 100.

#### UNIVERSITY OF TEXAS YEARS:

Abbott, John. 2010. Lecturer, University of Texas, Austin, Texas.  
Alexander, Kevin. 2010. Assistant? professor, Western State University, Colorado.  
Barber, Jan. 2004. Postdoctoral fellow, Missouri Botanical Gardens, Missouri.  
Barber, Jan. 2004-2007. Assistant Professor, Saint Louis University, Missouri.  
Buchwald, Robert. 2004. Ph. D. candidate, University of Colorado, Colorado.  
Chang, Andrew. 2002. Ph. D. candidate, Oregon State University, Oregon.  
Dahmus, Maria. 2003. Ph. D. candidate, University of Wisconsin at Madison, Wisconsin.  
Married, 2008,  
Dopman, Erik. 2002. Ph. D. candidate, Cornell University, New York.  
Dunning, Connell. 2002. Urban biologist, Bureau of Land Management, California.  
Gould, Hannah. 2003. Ph. D. candidate, Yale University, Connecticut.  
Grieg, Nancy. 2000. Director, Cockrell Butterfly Center at the Houston Museum of Natural Science, Houston, Texas.  
Markley, Elizabeth Green. 2006. Social worker in Fairbanks, Alaska.  
Markley, Elizabeth Green. 2007. Married Summer 2007.  
Markley, Elizabeth Green. 2005-2007. Master's program, University of Alaska, Fairbanks.  
Project in streams of Washington.  
Markley, Elizabeth Green. 2009. PhD program, University of Alaska, Fairbanks.  
Martin, Noland. 2013. In class in 1994. Now Assistant Professor, Texas State University.  
Plant genetics.  
Hanegan, Nikki. 2005-2009. assistant professor, Brigham Young University, Utah.  
Headed back to Texas.  
Hansen, Robert. 2004. Biological consultant, Austin, Texas.  
Hansen, Robert. 2013. Biological research, Texas Department of Environmental Quality.  
Hodges, Wendy. 2004. Assistant professor, University of Texas, Permian Basin, Texas.  
Holston, Kevin. 2004. Ph. D., University of Illinois.  
Holston, Kevin. 2004-2009. Postdoctoral fellow, Swedish Museum of Natural History, Stockholm, Sweden.  
Hulsey, Darrin. 2004. Ph. D. candidate, University of California at Davis, California.  
Hulsey, Darrin. 2008-2009. Assistant Professor, University of Tennessee at Knoxville.  
Mendez, Patina. 2007. Ph. D., University of California at Berkeley, California.  
Mendez, Patina. 2007-2009. Postdoctoral Fellow, University of Minnesota.  
McNeely, Camille. 2003. Ph. D. candidate, University of California at Berkeley, California.  
McNeely, Camille. 2010. Assistant professor, Eastern Washington University.  
Robert Ourso, scientist, United States Geological Survey, Alaska. 1999.  
Prasifka, Jarrad. 2008. Research Entomologist, USDA ARS, Iowa State University.  
Prasifka, Jarrad. 2005? Ph. D., Texas A & M University, Texas.  
Prasifka, Jarrad. 2018. Entomology researcher in the Great Plains. USDA?  
Rissman, Adena. 2002. Ph. D. candidate, University of Wisconsin at Madison, Wisconsin.  
Stuart, Celina. 2002. Insect Rearing Technician, Cockrell Butterfly Center at the Houston Museum of Natural Science, Houston, Texas.

Stringer, Shann. 2005-2010. Biologist, State of New Mexico, New Mexico.  
 Thomas, Stephanie. 2005-2010. Biologist, State of New Mexico, New Mexico.  
 Trautwein, Michelle. 2005-2009. Ph. D. candidate, North Carolina State University, North Carolina.  
 Trautwein, Michelle. 2006. Daughter Sofie born July 2006.  
 Trautwein, Michelle. 2009. Son Avery born 2009.  
 Trautwein, Michelle. 2009. Awarded PhD at North Carolina State University.  
 Trautwein, Michelle. 2013. Research scientist North Carolina Museum of Natural History.  
 Trautwein, Michelle, 2015. Curator, California Academy of Sciences.  
 Wiersema, Nick. 2005-2009. Biological consultant, Austin, Texas.  
 Worthen, Meredith 2003-2007. Ph. D. candidate, Virginia Polytechnical Institute, Virginia.

### **ADVANCED TRAINING SESSIONS ATTENDED**

BYU Writing Matters Luncheons. One in 2017.  
 BYU Writing Matters Luncheons. Two in 2016.  
 BYU Writing Matters Luncheons. Two in 2014.  
 Wheatley Forum. Science as cultural performance: leveling the playing field in the theology/science conversation. James K. A. Smith. 19 March 2013.  
 BYU Writing Matters Lunch: What to expect when you expect your students took Writing 150. Brigham Young University. 23 January 2013.  
 BYU Environmental Ethics Initiative. 2012. Steering committee for raising awareness of environmental concerns involving Brigham Young University. Multiple meetings.  
 BYU Faculty Center Reading Group, “Seven Pillars of Creation”. Group of over 30 faculty members discussing the relationship of science and religion. January – April 2012. Headed by Dr. George Handley, Department of Humanities.  
 Specify 6, training. Natural history database management seminar. Hosted by the M. L. Bean Life Science Museum. 20-21 January 2012.  
 BYU Writing Matters Lunch: When students teach students: peer review done right. 19 January 2012.  
 BYU Faculty Center Reading Group, “Darwin’s Pious Idea”. Group of over 30 faculty members discussing the relationship of evolution, science, and religion. September – December 2011. Headed by Dr. Steven Peck, Department of Biology.  
 Mongolia Aquatic Insect Survey, Planning session for 2008. March 2008, South Carolina.  
 Principal Investigators Meeting, US Department of Education, Mathematics and Science Partnerships Program. Grantee meetings and evaluation institute. Work related to our UBEST program. February 2007, Dallas, Texas.  
 Principal Investigators Grant Preparation Meeting, Databasing Plecoptera, NSF submittal. University of Illinois, Champaign-Urbana, organizer Dr. Edward Dewalt, 31 May – 2 June 2007.  
 Writing Matters Luncheon, Assessing Learning Outcomes, Gary Hatch and Beth Hedengren, Brigham Young University, 29 November 2006.  
 Honors Faculty Workshop, Office of General Education, Brigham Young University, Park City, Utah, 5-6 May 2006.  
 Honors Symposium, Go Forth to Serve, Brigham Young University, 14 April 2006.  
 Mid-Career Workshop, Faculty Center, Brigham Young University, 8 February 2006.

University Forum and Discussion, Innovation and Change, James Burke, Brigham Young University, 24 January 2006.

Writing Matters Luncheon, Using PowerPoint effectively, Bill Baker, Brigham Young University, 18 January 2006.

Arid Southwestern Stream Biocondition Gradient and Tiered Aquatic Life Uses Workshop, Tempe, Arizona, 8 – 10 February 2005.

Honors Faculty Retreat, Office of General Education, Brigham Young University, Park City, Utah, 30 April-1 May 2004.

Writing Matters Luncheon, Image, text, and design, Dr. Lester Faigley, professor of English, University of Texas at Austin, presentation at Brigham Young University, Provo, Utah, 20 February 2004.

Symposium: “Our stewardship: perspectives on nature.” Brigham Young University, 27-28 February 2004.

SCIMAST Teachers as Leaders Field Science Academy “Desert Stream Ecology of West Texas” 35 hours of professional development. Southwest Educational Development Laboratory Eisenhower Southwest Consortium for the Improvement of Mathematics and Science Teaching, Dolan Falls Ranch Preserve. 2-6 June 2003.

Critical Thinking, Linda Elder, Foundation for Critical Thinking, seminar at Brigham Young University, 11-12 December 2003.

Course Design and Strategies for Enhancing Student Learning, Lynn Sorenson, Assistant Director of BYU Faculty Center, 13 November 2003.

Incorporating writing in curriculum requirements, Writing Matters Luncheon, Brigham Young University Writing Across the Curriculum Program, 25 September 2003.

Honors Faculty Retreat, office of General Education, Brigham Young University, Park City, Utah, 25-26 April 2003.

Teaching and learning evolution: lessons from research and practice. Panel member, Southwest Educational Development Laboratory (SEDL) and Southwest consortium for the Improvement of Teaching and Learning (SCIMAST), Austin, Texas, 4-5 November 2002.

General Education Seminar, new emphases. Brigham Young University, 6 February 2003.

Adobe new product demonstrations: Illustrator, InDesign, and Photoshop all in OS X; Lisa Forrester, Adobe Representative at yMac Meeting, 12 March 2002.

Improving multimedia and online courses with instructional design, Starlink by Dallas Telelearning at Brigham Young University, 28 February 2002.

Intensive Field Science Experiences as a professional development model for secondary science teachers. Discussions had with Nikki Hanegan and co-workers at headquarters of Southwest Educational Development Laboratory (SEDL) and Southwest consortium for the Improvement of Teaching and Learning (SCIMAST), Austin, Texas, 17-18 December 2001.

Writing across the curriculum, teaching students to use visuals, Brigham Young University, 15 November 2001.

Quickskills in Photoshop - masks, Brigham Young University, 9 November 2001.

Quickskills in Photoshop - layers, Brigham Young University, 2 November 2001.

Fall Faculty Center Seminars, Brigham Young University, Fall 1999.

Many sessions on the use of active learning, University of Texas at Austin, 1998-1999.

### **GRANT PROPOSALS SUBMITTED (began recording 2003)**

- Charles Redd Center for Western Studies, Annalee Naegle Redd Assistantship Award. Tiger Moths of the West. Brigham Young University. 2017. \$12,000. Funded.
- Charles Redd Center for Western Studies, John Topham and Susan Redd Butler BYU Faculty Research Award. Lichen moths as conservation indicators on western North American cryptobiotic crusts. Brigham Young University. 2017. \$3,000. Not funded.
- College of Life Sciences Teaching Enhancement Grant. Balancing field and classroom teaching: Insects, Writing, and Art. Brigham Young University. 2016. \$9740. Funded.
- Mentoring Environments Grant. Freshwater Insect Identification Guides for western North America. Brigham Young University Office of Research and Creative Activities. \$20,000? Not funded.
- Sant Endowment for a sustainable environment. Nelson, C. R. 2015. Skating insects and undergraduate students in arid land freshwater conservation research. BYU College of Life Sciences. \$9929. Not funded.
- Support for Stream Macroinvertebrates Bioblitz, Great Basin National Park. 2015. C. R. Nelson. \$2000. Funded.
- National Science Foundation. Clark, S. M., M. F. Whiting, and C. R. Nelson. 2014. Digitization PEN: Ground-dwelling Insects in the Brigham Young University Collection, Enhancement to SCAN. National Science Foundation. \$174,999. Active until at least 2016.
- Mentoring Environments Grant. Nelson, C. R. 2014. Insects distributed on an altitudinal gradient in Utah. Brigham Young University Office of Research and Creative Activities. \$20,000. Not funded.
- Redd Center Interdisciplinary Grants, Art, Insects, Writing at the Lytle Preserve: the contested landscape of the Great Basin in a Southern Utah Oasis. Nelson, C. R., M. Graham, and J. S. Bennion. 2013. \$10,000. Funded.
- College of Life Sciences Teaching Enhancement Grant. Interdisciplinary coursework and assessment: Art, Insects, and Writing at the Lytle Preserve. Brigham Young University. \$9620. Funded.
- Great Basin National Park. Nelson, C. R. 2012. Diptera Bioblitz 2012. \$2,000. Funded.
- Mentoring Environments Grant. Nelson, C. R. 2012. Aquatic Macroinvertebrates of the Provo River: community change with urbanization. Brigham Young University Office of Research and Creative Activities. \$20,000. Not funded.
- Sant Endowment for a sustainable environment. Nelson, C. R. 2012. Linking terrestrial and aquatic fly diversity to ecosystem health in Mongolia. BYU College of Life Sciences. \$10,000. Not funded.
- Lytle Ranch Preserve. Nelson, C. R. 2012. Macroinvertebrates of Lytle Ranch Preserve. M. L. Bean Museum. \$2,000. Funded.
- Preproposal to National Science Foundation. Gelhaus, J. K., B. Hayford, A. Maasri, J. C. Morse, and C. R. Nelson. 2012. Preliminary Proposal: Completing the Mongolian Aquatic Insect Survey. Invited to submit full proposal.
- Full Proposal to National Science Foundation. Gelhaus, J. K., A. Maasri, J. C. Morse, and C. R. Nelson. 2012. Completing the survey of the aquatic insects of Mongolia. \$1.3 million. Not Funded.
- Proposal to College of Life Sciences for Environmental Ethics Initiative Stewardship conference support. \$2,500. Funded.

Mentoring Environments Grant. Nelson, C. R. 2011. Survey of aquatic macroinvertebrates in desert ecosystems: Beaver Dam Wash. Brigham Young University Office of Research and Creative Activities. \$20,000. Not funded.

Sant Proposal: Nelson, C. R. 2011. Assessing Diptera (true fly) diversity in Mongolia under different grazing intensities. \$10,000. Roger and Victoria Sant Educational Endowment for a Sustainable Environment, BYU College of Life Sciences. Pending, as of 2 January 2012.

Mentoring Environments Grant. Nelson, C. R. 2011. The Aquatic Macroinvertebrates of a Mohave Desert stream: taxonomic survey of Beaver Dam Wash at Lytle Preserve in Washington County, Utah USA.. Brigham Young University Office of Research and Creative Activities. \$20,000. Not funded.

Sant Proposal: Nelson, C. R. 2011. Aquatic invertebrates and desert flies of the south slope of the Khangai Mountains, Mongolia: portal to the Gobi Desert. \$10,000. Roger and Victoria Sant Educational Endowment for a Sustainable Environment, BYU College of Life Sciences. Not funded.

BYU Undergraduate Education: Crandall, K. A. and C. R. Nelson. 2009. Virtual Biology enhancement. General Education Matching Funds: Biology Education. \$5,000.

BYU Office of the Associate Academic Vice-President - Research and Graduate Studies. Nelson, C. R. and S. W. Judson. 2009. Active biodiversity and scientific inquiry in large undergraduate biology courses. David O. McKay Education Grant. \$23,215.

Sant Proposal: Nelson, C. R. 2008. Surveying the aquatic invertebrate and select terrestrial flies of the Altai and Hangai Mountain drainages of Mongolia. \$19,000. Roger and Victoria Sant Educational Endowment for a Sustainable Environment, BYU College of Life Sciences.

NSF Proposal: Gelhaus, Morse, and Nelson. 2007. Survey and inventory of the aquatic insects of the Altai and Hangai Mountain drainages, Mongolia. July 2007 submission, \$720,000.

Mentoring Environments Grant. Nelson, C. R. 2008. Robber flies new to science 2008. Brigham Young University Office of Research and Creative Activities. \$20,000.

NSF Proposal: Digitizing North American Stonefly Records. Withdrawn after much effort, July 2007.

NSF Proposal: Gelhaus, Morse, and Nelson. 2007. Survey and inventory of the aquatic insects of the Altai and Hangai Mountain drainages, Mongolia. January 2007 submission, NOT FUNDED

NSF Proposal: Gelhaus, Morse, and Nelson. 2007. Survey and inventory of the aquatic insects of the Altai and Hangai Mountain drainages, Mongolia. July submission, funded November 2007

Proposal to Ohio State Mathematics and Science Partnership Program: No Science Left Behind: teachers experience "Doing" real science and "modeling" effective teaching of science, so that all can learn. \$357,643. Submitted January 2006, not reported elsewhere. Not funded.

Proposal to the Charles Redd Center for Western Studies for the Annalee Naegle Redd Assistantship: Predicting insect diversity on rangelands of the Rocky Mountain West of North America. Proposal Funded, \$4000, Spring 2007.

General Education, Honors, and Biodiversity research around the world. Research and Course Enhancements. College of General Education, Brigham Young University.

December 2006. \$2,500.

Insect Biodiversity Inventories: becoming a taxonomic center of excellence in surveying Diptera and Plecoptera around the world. Mentoring Environments Grant, Office of Research and Creative Activities, Brigham Young University. 2006. Principal investigator: C. R. Nelson. Submitted November 2006, \$20,039.

Biodiversity: EPT (Ephemeropteran mayflies, Plecopteran stoneflies, and Trichopteran caddisflies) and select Diptera (flies) on an elevational gradient of Mount Timpanogos, Utah. Mentoring Environments Grant, Office of Research and Creative Activities, Brigham Young University. January 2006. Principal investigator: C. R. Nelson. Not awarded, \$16,300.

Ants and flies on coral islands of Maupiti, French Polynesia under differing agricultural and land use regimes: biodiversity and sustainable land use tests. Proposal to the Roger and Victoria Sant Educational endowment for a Sustainable Environment, a project of the College of Biology and Agriculture at Brigham Young University. February 2006. Awarded \$9751.

Biodiversity of the Guiana Shield. Proposal with Jack Sites to the Roger and Victoria Sant Educational endowment for a Sustainable Environment, a project of the College of Biology and Agriculture at Brigham Young University. February 2006. Awarded \$14,000.

Survey and Inventory of the Aquatic Insects of the Altai and Hangai Mountain drainages, Mongolia. Proposal with Jon Gelhaus, Barbara Hayford, and John Morse. National Science Foundation, Division of Environmental Biology, Biotic Surveys and Inventories. January 2006. Not awarded, \$599,000.

Experimental field tests of metacommunity concepts: the effects of environmental heterogeneity and mass effects on species composition and diversity in desert rock pools. National Science Foundation. 2005. Principal investigators: R. B. Rader and C. R. Nelson. Submitted July 2005, not awarded, \$304,493.

Databasing and Curating the Stonefly Collection (Insecta: Plecoptera) at Brigham Young University: Still An Urgent Need. National Science Foundation. 2005. Principal investigators: R. W. Baumann, S. M. Clark, C. R. Nelson, and M. F. Whiting. Submitted July 2005, not awarded, \$331,212.

University Biological Laboratory Experience for Teachers and Students. National Science Foundation. 2005. Principal investigators: N. L. Hanegan, R. G. Cates, and C. R. Nelson. Submitted September 2005, not awarded, \$299,811.

Utah Biodiversity Experience for Students and Teachers: UBEST. Brigham Young University / Southern Utah (BYU/SU) Grand Staircase Partnership. National Science Foundation and United States Department of Education in association with the Utah State Office of Education. Principle investigators: N. L. Hanegan and C. R. Nelson. Awarded \$292,108. Continues in 2006 and 2007.

Insect Diversity along elevational gradients of American Fork Canyon and Mount Timpanogos, Utah. Mentoring Environments Grant, Office of Research and Creative Activities, Brigham Young University. 2005. Principal investigator: C. R. Nelson. Awarded, \$15,000.

Comparison of the diversity of ants and flies on low coral islands of Maupiti, French. Proposal to the Roger and Victoria Sant Educational endowment for a Sustainable Environment, a project of the College of Biology and Agriculture at Brigham Young University. 2005. Awarded \$10,000.

Insect diversity on Mount Timpanogos with special reference to training future taxonomists in field and curatorial techniques. Mentoring Environments Grant, Office of Research and Creative Activities, Brigham Young University. Principal investigator: C. R. Nelson, co-investigators: R. W. Baumann and S. M. Clark. Awarded \$16,928.

Invertebrate inventory and selection of potential indicator species at U.S. Army Dugway Proving Ground, Utah. Proposal to the U.S. Department of the Army. Principal Investigators: V. J. Anderson, C. R. Nelson, R. L. Johnson, and R. W. Baumann. Submitted March 2003. Awarded: \$20,125.

Macroinvertebrates of Timpanogos Cave, Timpanogos Cave National Monument, Utah. Proposal to the U.S. National Park Service. Principal Investigator: C. R. Nelson, co-investigators: R. W. Baumann and S. M. Clark. Awarded \$15,000.

The bee-killers: taxonomy and phylogenetics of the robber fly genus *Proctacanthus* (Insecta: Diptera: Asilidae). Proposal to the National Science Foundation (NSF), much preparation in 2002, Principal Investigator: C. R. Nelson. Submitted 10 January 2003. Not awarded.

A model integrating university biology, teacher education, and public school faculty in teacher preparation and continued inservice professional development experiences. Proposal to the National Science Foundation (NSF) Principal Investigators: R. G. Cates, J. D. Bell, R. J. Draper, C. R. Nelson, R. R. Sudweeks. Submitted 10 September 2003. \$4,577,731. Not awarded.

A model integrating university biology, teacher education, and public school faculty in teacher preparation and continued inservice professional development experiences. Proposal to the National Science Foundation (NSF) Principal Investigators: R. G. Cates, J. D. Bell, R. J. Draper, C. R. Nelson, R. R. Sudweeks. Submitted 19 May 2003. Proposal accepted.

Developing and assessing inquiry-based approaches in the preparation of biology teachers and in the professional development of inservice teachers. Science, Technology, Engineering, and Mathematical Teacher Preparation Program, proposal to the National Science Foundation. Fall 2002, \$954,983. Not awarded.

A survey of the ants and flies of Maupiti, French Polynesia with an introduction to contemporary Polynesian culture. Proposal to the Roger and Victoria Sant Educational endowment for a Sustainable Environment, a project of the College of Biology and Agriculture at Brigham Young University, 1 April 2003. Awarded \$12,000.

East Fork of the Virgin River Insect Fauna Watershed Health analysis. Bureau of Land Management (BLM). 2002?, \$10,000.

Aquatic invertebrate identification guide: project development, renewal. Center for Instructional Design, Brigham Young University, 2002. Principal Investigator: C. R. Nelson. Awarded, \$42,000 and \$25,000.

Renewal of Grand Staircase and Coral Pink Sand Dunes grants, 2002, BLM. Awarded, \$25,000.

Survey of the flies of Maupiti, French Polynesia, and robber flies of selected localities in Queensland, Australia. David M. Kennedy Center for International Studies Research Program. January 2002, Principal Investigator: C. R. Nelson. Awarded \$2,000.

Undergraduates in biodiversity research, Sant Foundation, 2002. Principal Investigator: C. R. Nelson.

Undergraduate experiences in surveying biodiversity of insects and other arthropods on the Grand Staircase Escalante National Monument and surrounding areas of the Colorado

Plateau. Faculty Mentoring of Undergraduate Students in Research, Vice-President's award, Brigham Young University, 2000 - 2001. Principal Investigator: C. R. Nelson.

Intensive Field Science Experiences as a professional development model for secondary science teachers. Co-Principal Investigators: C. R. Nelson and N. L. Hanegan. Southwest Educational Development Laboratory (SEDL) and Southwest Consortium for the Improvement of Mathematics and Science Teaching (SCIMAST), Austin, Texas.

Aquatic invertebrate identification guide: project development. Center for Instructional Design, Brigham Young University, September 2000 - 2001. Principal Investigator: C. R. Nelson (administered by Joseph Peabody).

Systematic relationships, population structure, and conservation of the endemic land snail *Oreohelix peripherica* (Gastropoda: Pulmonata: Camaenidae) from Utah. United States Forest Service, Ogden, Utah, October 2001. Investigators: Marcos Pérez-Losada, C. Riley Nelson, Steve Blatt, George Oliver, and Keith Crandall.

Undergraduates in biodiversity research, Sant Foundation, 2001. Principal Investigator: C. R. Nelson.

Renewal of Grand Staircase and Coral Pink Sand Dunes grants, 2001, BLM.

Curso de Ecologia Tropical (Tropical Ecology Course), Rio Trombetas biological Reserve, Amazon Basin, Para State, Brazil. Ceaqua/Ibama agencies of Brazil. Investigators: Vitor Hugo Cantarelli, Jack Sites, C. Riley Nelson, and Mark Belk. 2000.

#### **PUBLICATIONS (Peer-reviewed)**

- Clement, R.A., Frandsen, P.B., McKnight, T. and C. R. Nelson. 2018. Fly family diversity shows evidence of livestock grazing pressure in Mongolia (Insecta: Diptera) *Journal of Insect Conservation* 22: 231-243. <https://doi.org/10.1007/s10841-018-0056-x>
- Nelson, C. H. and C. R. Nelson. 2018. *Diura washingtoniana* (Hanson) resurrected from synonymy with *D. nanseni* (Kempny) (Plecoptera: Perlodidae), supplemented with a description of the larva and egg and comparison to other congeners. *Illiesia*, 14(01):1-29. <https://doi.org/10.25031/2018/14.01>
- Fine, L., T. Peterson, M. D. Duerden, C. R. Nelson, and J. S. Bennion,. 2017. The function of field study: comparison of limited and full Field experience courses. *Research in Outdoor Education* 14:86-106. [10.1353/roe.2016.0004](https://doi.org/10.1353/roe.2016.0004).
- Terry, T. J. and C. R. Nelson. 2017. Composition and seasonal abundance of hover flies (Diptera: Syrphidae) at a midelevation site in central Utah. *Western North American Naturalist* 77(4):487-499.
- Nelson, C. R., J. S. Bennion, M. A. Graham, and K. S. Lim (Eds.) 2016. *Insects of the Mojave Desert: Lytle Ranch Preserve*. Brigham Young University Press, Provo, Utah. 275 pp.
- Caires, A. M, S. Chandra, and C. R. Nelson. 2016. Unique reproductive characteristics of Lake Tahoe's *Capnia lacustra* (Plecoptera: Capniidae), a stonefly in decline. *Freshwater Science* 35(4): 1291-1299.
- Sproul, J. S., D. D. Houston, C. R. Nelson, R. P. Evans, K. A. Crandall, and D. K. Shiozawa. 2015. Climate oscillations, glacial refugia, and dispersal ability: factors influencing the genetic structure of the least salmonfly, *Pteronarcella badia* (Plecoptera), in Western North America. *BMC evolutionary biology* 15 (1): 1.
- Nelson, C. R., R. W. Baumann, and J. J. Lee. 2013. New morphological observations and

- phylogenetic placement of *Capnia shasta* (Plecoptera: Capniidae). *Illiesia* 9(12):122-125.
- Scarborough, A. G., L. E. Stevens, and C. R. Nelson. 2012. The *albibarbis*-complex of *Efferia* Coquillett, 1910 from the Grand Canyon region, southwestern U.S.A., with three new species and new distribution records (Diptera: Asilidae). *Pan-Pacific Entomologist* 88(1): 58-86.
- Judson, S. W. and C. R. Nelson. 2012. A guide to Mongolian stoneflies (Insecta: Plecoptera). *Zootaxa* 3541: 1-118. <http://www.mapress.com/zootaxa/list/2012/3541.html>
- Clement, R., C. R. Nelson, and M. Otis. 2012. Great Basin National Park Diptera Bioblitz, 19-21 June 2012. *Fly Times* 49: 70-76. Mildly peer reviewed!  
<http://www.nadsdiptera.org/News/FlyTimes/Flyhome.htm>
- Clement, R., C. R. Nelson, and M. Otis. 2012. 2012 Diptera BioBlitz. The Midden: The Resource Management Newsletter of Great Basin National Park 12: 6-7. Mildly peer reviewed. <http://www.nps.gov/grba/parknews/midden.htm>
- Nelson, C. R., J. B. Sandberg, D. Muranyi, and B. C. Kondratieff. 2012. Interesting winter emerging stoneflies (Plecoptera: Capniidae) from southern California. *Perla* 30: 16-23.
- Nelson, C. R. 2011. In the shadow of Mount Timpanogos, Utah. *North American Dipterists Society Meetings 2011*. *Fly Times* 47:25-32. Mildly peer reviewed!
- McKnight, J. A. and C. R. Nelson. 2011, in review. Preference for hymenopteran prey by *Diogmites angustipennis* Loew (Diptera: Asilidae) reflects size selection. *Western North American Naturalist*.
- Gates, T. A., J. R. Horner, R. R. Hanna, and C. R. Nelson. 2011. New unadorned hadrosaurine hadrosaurid (Dinosauria, Ornithopoda) from the Campanian of North America. *Journal of Vertebrate Paleontology* 31 (4): 798-811.
- Judson, S. W. and C. R. Nelson. 2010. Diversity, phenology, and elevational distribution of Ephemeroptera, Plecoptera, and Trichoptera in American Fork Canyon, Utah. *Western North American Naturalist* 70:526-540.
- Nelson, C. R., K. A. Crandall, G. Bodily, R. Allen, and B. Woodfield. 2010. *Virtual Biology Laboratories*. Pearson Education. Upper Saddle River, New Jersey. DVD and web-based software.
- Nelson, C. R. and Baumann, R. W. 2009. *Capnia shasta*, a new species in the Californica Group from northwestern California (Plecoptera: Capniidae). *Illiesia* 18: 188-194.
- Hanegan, N., Friden, K., & Nelson, C. R. 2009. Authentic and simulated inquiry: Teachers reflect what is modeled. *School Science and Mathematics Journal*. 109 (2): 110-134.
- Nelson, J. K. and Nelson, C. R. 2009. Zoom serves up history, good eats. *Wasatch Life* 1 (3): 44-47.
- Baumann, R. W. and Nelson, C. R. 2007. *Taenionema jeanae* a new species of stonefly from Southern California (Plecoptera: Taeniopterygidae). *Illiesia* 3:174-177.
- Nelson, C. R. 2006. *Freshwater Aquatic Invertebrate Identification Guide: electronic keys to explore the diversity of animals in the freshwaters of western North America*. Center for Instructional Design, Brigham Young University, Provo Utah, USA. CD with keys and hundreds of photographs. In production with BYU Creative Works Office.
- Holston, K. C. and Nelson, C. R. 2006. A quantitative evaluation of intraspecific and interspecific variation in eye morphology for *Efferia* Coquillett (Diptera: Asilidae) species. *Proceedings of the Entomological Society of Washington*. 108(1): 210-225.

- Wiersema, N. A., C. R. Nelson, and K. F. Kuehnl. 2004. A new small minnow mayfly (Ephemeroptera: Baetidae) from Utah. *Entomol. News*. 115:139-145. Mailed by publisher in January 2005.
- Nelson, C.R. 2004. Aquatic Invertebrate Identification Guide, CD ROM Software. Center for Instructional Design, Brigham Young University, Provo, Utah.
- Nelson, C. R. 2004. Systematics of the *Capnia californica* Species Group, including a morphological phylogeny, zoogeography, and description of *Capnia kersti*, new species (Plecoptera: Capniidae). *Ann. Entomol. Soc. America* 97:97-104.
- Bybee, S. M., S. D. Taylor, C. R. Nelson, and M. F. Whiting. 2004. A phylogeny of robber flies (Diptera: Asilidae) at the subfamilial level: molecular evidence. *Molecular Phylogenetics and Evolution* 30: 789-797.
- Nelson, C. R. and N. L. Hanegan. 2003. Professional development for secondary science teachers in a contextual setting. Educational Resources Information Center # ED474722. 20 pp.
- Nelson, C. R. 2002. Insects. Pp. 579-584. In: Pagel, M., Ed.. *Encyclopedia of Evolution*. Oxford University Press, New York. 1205 pp.
- Nelson, C. R. and D. Giuliani. 2001. Geographical and seasonal occurrence of winter stoneflies (Plecoptera: Capniidae) of the southern Sierra Nevada, California, USA. Pp. 199-208. In: Dominguez, E., editor. *Trends in Research in Ephemeroptera*. Kluwer Academic/Plenum Publishers, New York. 490 pp.
- Stark, B. P. and C. R. Nelson. 2000. The nearctic plecopteran families: morphology and systematics. In: Stark B. P. and Armitage, B. J., Eds. *Stoneflies (Plecoptera) of Eastern North America. Volume I. Pteronarcyidae, Peltoperlidae, and Taeniopterygidae*. Ohio Biological Survey Bulletin New Series 14: 11-28.
- Stark, B. P., S. W. Szczytko, and C. R. Nelson. 1998. *American Stoneflies: a photographic guide to the Plecoptera*. The Caddis Press. Columbus, Ohio, 128 pp.
- Jackman, J. A. and C. R. Nelson. 1995. Diversity and phenology of tumbling flower beetles (Coleoptera: Mordellidae) captured in a malaise trap. *Entomol. News* 106: 97-107.
- Nelson, C. R. 1994. Insects of the Great Basin and Colorado Plateau. Pp. 211-237, In: Harper, K. T.; St. Clair, L. L.; Thorne, K. H.; Hess, W. M., editors. *Natural History of the Colorado Plateau and Great Basin*. University Press of Colorado, Boulder. 294 pp.
- Stark, B. P. and C. R. Nelson. 1994. Systematics, phylogeny, and zoogeography of genus *Yoraperla* (Plecoptera: Peltoperlidae). *Entomol. Scandanavica* 25: 241-273.
- Lavigne, R. J., C. R. Nelson, and E. T. Schreiber. 1994. New prey records for *Proctacanthus* (Diptera: Asilidae) with comments on prey choice. *Entomol. News* 105: 85-97.
- Haws, B. A., C. R. Nelson, R. V. Valcarce, R. V. Stevenson, D. N. Smith, and H. C. Stutz. 1994. Variation in chemistry of shadscale ploidy races as detected by analytical pyrolysis-chemometrics and herbivorous insects. Fourth International Rangeland Congress, 1991, Montpellier, France.
- Haws, B. A., G. E. Bohart, C. R. Nelson, and D. L. Nelson. 1994. Insects and their relationship to widespread shrub die-off in the Intermountain West of North America. Fourth International Rangeland Congress, 1991, Montpellier, France.
- Nelson, C. R., C. D. Jorgensen, H. L. Black, and J. Whiting. 1991. The maintenance of foraging trails by the giant tropical ant *Paraponera clavata* (Insecta: Formicidae: Ponerinae). *Insectes Sociaux* 38: 221-228.

- Welsh, S. L., C. R. Nelson, and K. H. Thorne. 1991. Naturalization of plant species in Utah - 1842 to present. In: James, L. F., J. O. Evans, M. H. Ralphs, and R. D. Child, eds. Noxious Range Weeds. Westview Press, Inc. Boulder, Colorado.
- Nelson, C. R. and R. W. Baumann. 1990. New winter stoneflies (Plecoptera: Capniidae) from the Coast range of California. *Pan-Pacific Entomol.* 66(4) 301-306.
- Haws, B. A.; Bohart, G. E.; Nelson, C. R.; Nelson, D. L. 1990. Insects and shrub dieoff in western states: 1986-1989 survey. In: McArthur, E. D.; Romney, E. M.; Smith, S. D.; Tueller, P. T., compilers. Proceedings--Symposium on Cheatgrass Invasion, Shrub Die-Off, and other aspects of shrub biology and management; 1989 April 5-7; Las Vegas, Nevada. Gen. Tech. Rep. INT-276. Ogden, Utah: U. S. Department of Agriculture, Forest Service, Intermountain Research Station: 127-151.
- Nelson, C. R., B. A. Haws, and D. L. Nelson. 1990. Mealybugs and related Homoptera of Shadscale: possible agents in the die-off problem in the Intermountain West of North America. In: McArthur, E. D.; Romney, E. M.; Smith, S. D.; Tueller, P. T., compilers. Proceedings--Symposium on Cheatgrass Invasion, Shrub Die-Off, and other aspects of shrub biology and management; 1989 April 5-7; Las Vegas, Nevada. Gen. Tech. Rep. INT-276. Ogden, Utah: U. S. Department of Agriculture, Forest Service, Intermountain Research Station: 152-165.
- Nelson, C. R. and R. W. Baumann. 1989. Systematics and zoogeography of the winter stonefly genus Capnia (Plecoptera: Capniidae) in North America. *Great Basin Natur.* 49: 289-363.
- Nelson, C. R. and W. D. Tidwell. 1988. Brodioptera stricklani n. sp. (Megasecoptera: Brodiopteridae), a new fossil insect from the Upper Manning Canyon Shale Formation, Utah (lowermost Namurian B.) *Psyche* 94: 309-316.
- Nelson, C. R. and B. P. Stark. 1988. The Salmoperla safari: hit and run stonefly collecting in Nevada and California. *Perla* 8 (1986-87): 7-11.
- Nelson, C. R. and B. C. Kondratieff. 1988. A new species of Capnia (Plecoptera: Capniidae) from the Rocky Mountains of Colorado. *Entomol. News* 99: 77-80.
- Nelson, C. R. and R. W. Baumann. 1988. Systematic notes and generic placement of Utacapnia nedia (Plecoptera: Capniidae). *Entomol. News* 99: 72-76.
- Nelson, C. R. and R. W. Baumann. 1987. Gynandromorphism in the winter stonefly genus Capnia (Plecoptera: Capniidae). *Entomol. News* 98: 224-229.
- Nelson, C. R. and R. W. Baumann. 1987. New winter stoneflies of the genus Capnia with notes and an annotated checklist of the Capniidae of California (Plecoptera: Capniidae). *Entomography* 5: 485-521.
- Nelson, C. R. 1987. Robber flies of Utah (Diptera: Asilidae). *Great Basin Natur.* 47: 38-90.
- Nelson, C. R. and R. W. Baumann. 1987. The winter stonefly genus Capnura (Plecoptera: Capniidae) in North America: systematics, phylogeny, and zoogeography. *Trans. Amer. Entomol. Soc.* 113: 1-28.
- Nelson, C. R. and R. W. Baumann. 1987. Scanning electron microscopy for the study of the winter stonefly genus Capnia (Plecoptera: Capniidae). *Proc. Entomol. Soc. Wash.* 89: 51-56.
- Nelson, C. R. 1985. Distribution of robber flies in Utah (Diptera: Asilidae). *Encyclia* 62: 25-33.
- Nelson, C. R. 1983. The robber flies (Diptera: Asilidae) of Utah. Unpublished master's thesis, Utah State University, Logan, Utah.

Nelson, C. R. 1983. Invertebrate sections. In: G. W. Workman. Aquatic and riparian ecological relationships of the North Fork of the Virgin River and its Deep Creek-Crystal Creek tributary, Zion National Park, Utah. 272 pp. technical final report, project numbers, (NPS) CX-1200-0-8041 and (USU) 246 2760 1009 16501.

### **BOOK REVIEWS (PEER REVIEWED)**

- Nelson, C. R. 2005. Book Review: Great Salt Lake: An Anthology. *Western North Amer. Natur.* 66: 405-406.
- Nelson, C. R. 2005. Book Review: American bison, a natural history., *Western North Amer. Natur.* 65: 278-279.
- Nelson, C. R. 2005. Book Review: The systematics of *Lasiopogon* (Diptera: Asilidae), R. A. Cannings. *Western North Amer. Natur.* 65: 141-142.
- Nelson, C. R. 2003. Book Review: Finding order in nature, P. L. Farber. *Western North Amer. Natur.* 63: 271-272.
- Nelson, C. R. 2002. Book Review: Trilobite Eyewitness to Evolution. Richard Fortey, 2001. *Western North Amer. Natur.* 62: 501-502.
- Nelson, C. R. 2002. Book Review: The Geology of the Parks, Monuments, and Wildlands of Southern Utah. Robert Fillmore, 2000. *Western North Amer. Natur.* 62: 383.
- Nelson, C. R. 2000. Book Review: Singing stone, a natural history of the Escalante Canyons. *Western North Amer. Natur.* 60: 462.

### **TECHNICAL REPORTS**

- Nelson, C. R. 2018. Final report. Annaley Naegle Redd Assistantship Award, Charles Redd Center for Western Studies. Tiger moths of the West. Brigham Young University. 5 December 2018. 3 pp.
- Clement, R., C. R. Nelson, and M. Otis. 2012. Great Basin National Park Diptera Bioblitz, 19-21 June 2012. 10 pp.
- Sites, J. W. and C. R. Nelson. 2006. Biodiversity of the Guiana Shield field course. Report to BYU Sant Committee. approx. 20 pp.
- Nelson, C. R., L. M. Hapairai, A. L. Nelson, J. K. Nelson, and J. S. Ashton. 2006. The flies (Insecta: Diptera) of Maupiti, French Polynesia: report on 2004 collections from yellow pan traps. Report to BYU Sant Committee and to Government of French Polynesia, Délégation à la Recherche, B. P. 20981, Papeete, Tahiti. Versions in English, French, and Tahitian. 3 pp.
- Frischknecht, A. 2004. How to collect stonefly nymphs from the Provo River. Class project for BYU class, English 316. Advising and several photos by C. R. Nelson.
- Nelson, C. R., J. Guptill, and R. W. Baumann. 2004. Macroinvertebrates of Timpanogos Cave, Timpanogos Cave National Monument, Utah. Technical report to the U. S. National Park Service, Moab, Utah. 29 pp.
- Baumann, R. W. and C. R. Nelson. 2003. Insect fauna of the Coral Pink Sand Dunes and East Fork of the Virgin River, Kane County, Utah. Technical report to the U. S. Bureau of Land Management, Kanab Field Office. 37 pp.
- Hanegan, N. L., C. R. Nelson, and S. Getty. 2002. Intensive field science experiences as a professional development model for secondary science teachers. SCIMAST publication for distribution at NSTA/NARST, Southwest Educational Development Laboratory, Austin, Texas. 34 pp.

- Baumann, R. W. and C. R. Nelson. 2001. Insect fauna of the Coral Pink Sand Dunes, Kane County, Utah. Technical report to the U. S. Bureau of Land Management, Kanab Field Office. 29 pp.
- Baumann, R. W. and C. R. Nelson. 2001. Invertebrates, arthropods (primarily Insects) of the Grand Staircase–Escalante National Monument. Technical report to the U. S. Bureau of Land Management, Grand Staircase–Escalante National Monument. 140 pp.
- Nelson, C. R. and R. W. Baumann. 2001. Invertebrates of the Grand Staircase–Escalante National Monument: 1999-2001. Technical draft report to the U. S. Bureau of Land Management, Grand Staircase–Escalante National Monument. 140 pp.
- Baumann, R. W. and C. R. Nelson. 2000. Insects and other arthropods of the Grand Staircase–Escalante National Monument. Technical report to the U. S. Bureau of Land Management, Grand Staircase–Escalante National Monument. 39 pp.
- Murdoch, M. and C. R. Nelson. 2003. A few Insecta and other Arthropoda of Antelope Island and the Great Salt Lake, Davis County, Utah. Technical report to Antelope Island State Park, Davis County, Utah. 1 August 2003.
- Nelson, C. R. 1983. Invertebrate sections. In: G. W. Workman. Aquatic and riparian ecological relationships of the North Fork of the Virgin River and its Deep Creek-Crystal Creek tributary, Zion National Park, Utah. 272 pp. Technical report, project numbers, (NPS) CX-1200-0-8041 and (USU) 246 2760 1009 16501.

#### **PUBLISHED PHOTOGRAPHS**

- Nelson, C. R. and magazine editor. 2013. Get connected: fireflies in your backyard. Academy Frontiers. Summer 2013. Page 7.
- Kondratieff, B. C. 2012. Perla. Cover photo for Journal: Perla 30.
- Stark, B. P., C. Froelich, and M. d. C. Zúniga. (cover photo C. R. Nelson). 2008. Aquatic Biodiversity in Latin America: Volume 5, South American Stoneflies (Plecoptera). Pensoft Publishers.
- MacNamara, N. 2006. Invertebrates of Ireland Online. Five photographs of Plecoptera by C. Riley Nelson. <http://www.umsciences.org.uk/invertebrateireland/index.html>.
- Kondratieff, B. C, editor. Perla: Annual Newsletter and Bibliography of the International Society of Plecopterologists. Number 23. Many photos symposium attendees by C. R. Nelson.
- United States Fish and Wildlife Service. 2005. Barton Springs Salamander (*Eurycea sosorum*) Recovery Plan. U. S. Fish and Wildlife Service. Albuquerque, New Mexico. Salamander photograph by C. R. Nelson.
- Kondratieff, B. C, J. P. Schmidt, P. Opler, and M. C. Garhart. 2005. Survey of selected arthropod taxa of Fort Sill, Oklahoma. III. C. P. Gillette Museum of Arthropod Diversity, Department of Bioagricultural Sciences and Pest Management, Colorado State University, Fort Collins, Colorado 80523. Select cover and text photos of robber flies by C. R. Nelson.
- Kohler, M. 2004. Flathead Lake Journal. 18:9. Photograph of stonefly for article on the plenary address of Dr. Andrew Sheldon at the XV International Symposium on Plecoptera.
- Cryan, J.R., J.A. Robertson, and L.L. Deitz. 2003. The New World treehopper tribe Microcentrini (Hemiptera: Membracidae: Stegaspidae): Monographic revision and

- phylogenetic position. Thomas Say Publications in Entomology: Monographs, Entomological Society of America. 108 pp., cover photo of *Microcentrus lynx*.
- Nelson, C. R. 2004. Insect phylogeny exhibit. M. L. Bean Life Science Museum, summer 2004.
- Nelson, C. R. 2004. Cover photo of the Barton Springs Salamander. On the Draft Barton Springs Salamander Recovery Plan of the U. S. Fish and Wildlife Service, contact person: Paige Najvar. Summer 2004.
- Nelson, C. R. 2004. Cover photo of stonefly (*Capnia lineata*) for Annals of the Entomological Society of America 97: cover. Requested by journal.
- Nelson, C. R. 2003. Cover photo of fly (*Tetanocera* sp.) for Systematic Biology 52: cover. Requested by journal.
- Nelson, C.R. 2003. Photos for Department of Integrative Biology recruitment brochure.
- Nelson, C. R. 2003. Insect phylogeny display. M. L. Bean Museum, BYU. 25 photos.
- Stewart, K. W. and B. P. Stark. 2002. Nymphs of North American stonefly genera (Plecoptera) Second edition. The Caddis Press, Columbus, Ohio, USA. 510 pp. C. R. Nelson provided several photographs for this important identification guide.
- Hook, J. 2001. It's a pond's life: an interactive, student-researched, scientific perspective of a pond in Austin, Texas.  
<http://www.austin.isd.tenet.edu/campuses/schools/ms/kealing/aaas/index.html>. C. R. Nelson provided the photographs for the identification key.
- Sites, J. 2001. Biodiversity firsthand: field instruction in Amazonia," Bridges magazine. C. R. Nelson provided many photographs.
- Stark, B. P. and B. J. Armitage. 2000. Stoneflies (Plecoptera) of Eastern North America. Cover photograph by C. R. Nelson.
- Greig, N. 1998. Cockrell Butterfly Center Insect Zoo. This permanent exhibit, part of the Cockrell Butterfly Center at the Houston Museum of Natural Science, showcases over 30 species of live insects and other arthropods. Exhibits include both live animals and interpretive text with photographs. C. R. Nelson provided the photographs for the Aquatic Insect exhibit.
- Collett, J. 1998. Splash! into the Edwards Aquifer: a comprehensive educational experience about the science of the Barton Springs/Edwards Aquifer and its conservation as a natural resource. A permanent public exhibit in Zilker Park on the banks of Barton Springs. C. R. Nelson provided several photographs of aquatic organisms for the exhibit.
- Bliss, E. 1997. Integrated Pest Management in Austin, Texas. Poster for the City of Austin. C. R. Nelson provided numerous photographs for this poster.
- Brown, B. (photo by C. R. Nelson). 1997. The true face of biodiversity. Terra 34: 6-8.

#### **INTERNET PUBLICATIONS, SIGNIFICANT**

- Nelson, C. R. 2001. Plecoptera on the Tree of Life. In. Maddison, D.R. and Maddison, W. P. The Tree of Life: A multi-authored Internet project containing information about phylogeny and biodiversity. Internet address:  
<http://phylogeny.arizona.edu/tree/phylogeny.html>

#### **INTELLECTUAL PROPERTY, SIGNIFICANT**

- Natural history photographs. I continue to take thousands of photographs of natural history entities each year. More and more requests are made to use these in publications around

the world. Many from Mongolia and other expeditions in 2008-2016.  
 Natural history photographs, South Africa 2015, thousands.  
 Natural history photographs, about 10,000 new ones in 2006. It was a great photographing year on my various trips around the world.  
 Natural history photographs, about 10,000 new ones in 2005.  
 Natural history photographs, over 10000 new ones in 2004.  
 Natural history photographs, over 5000 new ones in 2003.  
 Entomology: An electronic field guide, with over 600 photographs and textual treatments, created while in Austin, Texas.  
 Natural History photograph, thousands of images on a wide variety of subjects.  
 Poems and drawings, shared on a personal basis.

### **PRESENTATIONS AND INVITED LECTURES, SCIENTIFIC AND ACADEMIC COMMUNITY**

- River Pomar, R., P. Passcq, D. Bea, R. Kuehnlein, and C. R. Nelson. New information: Andiperla, stoneflies on Patagonian glaciers. Evening seminar at the headquarters of Los Glaciares National Park, El Calafate, Argentina. February 2018.
- Nelson, C. R., T. K. McKnight, P. B. Frandsen, and R. A. Clement. Bioassessment of fly family diversity using taxon effort relationships on sites with a continuum of grazing and erosion pressures in Mongolia. Ninth International Congress of Dipterology meeting, Windhoek, Namibia. Oral presentation. November 2018.
- Nelson, C. R. Taxonomy and distribution of *Proctacanthus* Macquart (Asilidae) and related genera of robber flies in North America. Ninth International Congress of Dipterology. Windhoek, Namibia. Oral presentation. November 2018.
- Fisher, M. L., C. R. Nelson, and S. D. Leavitt. You are What You Eat: The Strange Feeding Behavior of Lichen Eating Caterpillars. BYU Graduate Student Society Grad Expo, Brigham Young University. Poster presentation. April 2018.
- Fisher, M. L., C. R. Nelson, and S. D. Leavitt. Pick your poison, the decision of what's for dinner for the lichenivorous caterpillars of *Cisthene angelus* (Dyar) (Lepidoptera: Erebiidae: Arctiinae). Ohio Valley Entomological Association. Oral presentation. October 2018.
- Fisher, M. L., J. Zaspel, C. R. Nelson, and S. D. Leavitt. Are you what you eat? Patterns of chemical sequestration in the lichen-feeding tiger moth *Cisthene angelus* (Lepidoptera: Erebiidae: Arctiinae: Lithosiini). Entomological Society of America, Entomological Society of Canada, and Entomological Society of British Columbia Joint Annual Meeting. Poster presentation. November 2018.
- Bennion, J. S., B. Q. Cannon, B. Hill, and M. Ricks. Asking the right questions: using open-ended essay responses to evaluate student apprehension of threshold concepts. SEER of the Association for Experiential Education. Montreal, Canada. Poster presentation. November 2017.
- Birrell, J., J. Meek, and C. R. Nelson. 2017. Loss of the giant stonefly *Pteronarcys californica* in the Provo River, Utah (Insecta: Plecoptera). Annual meeting of the Entomological Society of America, Denver, Colorado. Oral presentation. November 2017.
- Fisher, Makani L. and C. R. Nelson. 2017. Metabolomics, feeding behavior, and host association of western North American *Cisthene*. The Lepidopterists' Society, Tucson,

- Arizona. Oral presentation. August 2017.
- Fisher, M. L., R. C. Mower, and C. R. Nelson. 2017. Spongillafly biology in Utah (Neuroptera: Sisyridae: *Climacia californica*). Annual meeting of the Entomological Society of America, Denver, Colorado. Oral presentation. November 2017.
- Meek, J., J. Birrell, J. Andrus, and C. R. Nelson. 2017. Efficacy of restoration efforts in the Provo River, Utah with respect to aquatic insect diversity and abundance. Annual meeting of the Entomological Society of America, Denver, Colorado. Oral presentation. November 2017.
- Nelson, C. R. 2017. The natural world is full of wonder for ideas that should be better known to all students. I build wonder in my students. Let's do it with local aquatic insects. Annual Meeting of the USTA. Provo, Utah. Oral presentation. February 2017.
- Nelson, C. R. 2017. MLBM – Tanner Entomological Club and comments about Dr. Tanner's contributions. Unveiling of "Standing on the shoulders of giants" exhibit and honoring Dr. Vasco M. Tanner. Monte L. Bean Life Science Museum, Brigham Young University. Oral presentation. April 2017.
- Clement, R. A. and C. R. Nelson. 2016. Flies as bioindicators of grazing pressures in Mongolia. International Congress of Entomology and Entomological Society of America, Orlando, Florida. Oral presentation. September 2016.
- Terry, T. and C. R. Nelson. 2016. Syrphidae composition and seasonal abundance at mid-elevation site in Utah. International Congress of Entomology and Entomological Society of America, Orlando, Florida. Poster presentation. September 2016.
- Fisher, M. L., C. R. Nelson, E. Baum, D. Robinson, and R. Widdison. 2016. Freshwater Invertebrate Identification Guide (FIIG) 1<sup>st</sup> and 2<sup>nd</sup> ed. Annual meeting of the Dragonfly Society of America, Brigham Young University, Provo Utah. July 2016.
- Fisher, M. L. and C. R. Nelson. 2016. North American Plecoptera Symposium Stonefly nymphs of western North America: Freshwater Invertebrate Identification Guide (FIIG). Timp Lodge, Utah. May 2016.
- Birrell, J. H and C. R. Nelson. 2016. The decline of the giant stonefly *Pteronarcys californica* in Utah. North American Plecoptera Symposium. Timp Lodge, Utah. May 2016.
- Fisher, M. L. and C. R. Nelson. 2016. Stonefly nymphs of western North America: Freshwater Invertebrate Identification Guide (FIIG). North American Plecoptera Symposium. Timp Lodge, Utah. May 2016.
- Porter, M., P. Farnsworth, C. R. Nelson, J. Macedone. 2015. Shedding light on scorpion fluorescence. H. B. Lee Library and College of Life Sciences Poster Competition. November 2015. First place poster at presentation!
- Nelson, C. R., R. L. Johnson, and V. J. Anderson. 2014. A comparison of robber fly (Diptera: Asilidae) communities found in native and non-native plant associations in the Great Basin of western North America. 8<sup>th</sup> International Congress of Dipterology. Potsdam, Germany. August 2014.
- Nelson, C. R. 2013. A tail of two assassins, the best of times in Proctacanthus robber fly distributions on a longitudinal gradient in the age of wisdom (Diptera: Asilidae). Annual Meeting of the Entomological Society of America, Austin, Texas. 12 November 2013.
- Nelson, C. R., S. W. Judson, and J. K. Gelhaus. 2013. Plecoptera of Mongolia. Tenth North American Plecoptera Symposium, Sieg Center Field Station, Lamar Pennsylvania. 8-11 June 2013.

- Nelson, C. R. 2013. Discovery and science at the ends of the Earth. Brigham Young University Honors Seminar. Brigham Young University, Provo, Utah. 14 March 2013.
- Nelson, C. R. 2013. The things we've done, Integrated Natural History of Utah. Charles Redd Center for Western Studies, Interdisciplinary studies of the Intermountain West Workshop. Brigham Young University, Provo Utah. 17 April 2013.
- Bennion, J. S., B. Q. Cannon, B. Hill, and C. R. Nelson. 2013. The Ties that Bind and Free: Connections in an Atomized World, Study Abroad Utah: Integrated Natural History of Utah. Charles Redd Center for Western Studies, Interdisciplinary studies of the Intermountain West Workshop. Brigham Young University, Provo Utah. 17 April 2013.
- McKnight, T. A and C. R. Nelson. 2011. Unraveling the phylogeny of little gray robber flies (Diptera: Asilidae: Asilinae). North American Dipterists Society Meeting. Mount Timpanogos, Utah. 9 June 2011.
- Widdison, R. and C. R. Nelson. 2011. Easy freshwater aquatic invertebrate identification for everyone: Entomologists to High School Biology Students. North American Dipterists Society Meeting. Mount Timpanogos, Utah. 9 June 2011.
- Nelson. 2011. Hot fly spots and other nature observation locations of Utah. North American Dipterists Society Meeting. Mount Timpanogos, Utah. 7 June 2011.
- Hapairai, L. K. M. and C. R. Nelson. 2011. Two new species of robber flies of the tribe Stichopogonini (Diptera: Asilidae) from remote islands of the Pacific. Pacific Branch of the Entomological Society of America meetings. Kona, Hawaii. 29 March 2011.
- Nelson, C. R. 2010. Mongolia: saving the world one steppe at a time, one stream at a time. David M. Kennedy Center for International Studies, Brigham Young University, Provo, Utah. 27 October 2010.
- Frandsen, P. B. and C. R. Nelson. 2010. Distribution of Ants (Hymenoptera: Formicidae) on Maupiti, French Polynesia. Rutgers University Department of Entomology seminar. New Brunswick, New Jersey. 19 November 2010.
- Nelson, C. R. and P. B. Frandsen. 2010. The dance flies (Diptera: Empidoidea) of western Mongolia and the Selenge River Basin. Seventh International Congress of Dipterology. San Jose, Costa Rica. 12 August 2010.
- Judson, S. W. and C. R. Nelson. 2010. Applied and predictive biogeography of Mongolian Plecoptera, with an investigation of the potential effects of climate change on distributions and richness. Joint meeting of the North American Benthological Society and American Society for Limnology and Oceanography. Santa Fe, New Mexico. 11 June 2010.
- Nelson, C. R. and S. W. Judson. 2010. The identification and distribution of stoneflies of Mongolia: a model in international cooperation. Joint meeting of the North American Benthological Society and American Society for Limnology and Oceanography. Santa Fe, New Mexico. 11 June 2010.
- Frandsen, P. B. and C. R. Nelson. 2010. The identification and distribution of stoneflies of Mongolia: a model in international cooperation. Joint meeting of the North American Benthological Society and American Society for Limnology and Oceanography. Santa Fe, New Mexico. 10 June 2010.
- Judson, S. W. 2010. Biogeography of Mongolian Plecoptera (Stoneflies)Ecolunch, Department of Biology, Brigham Young University, 9 April 2010.
- Nelson, C. R. and Wertz, J. R. 2009. Flies in Mongolia: yellow pans and estimating ranges of species. Meetings of North American Dipterists' Society, Crescent City, California. June 2009.

- Nelson, C. R. and Baumann, R. W. 2009. Correction of a misidentification of *Capnia umpqua*, including a description of a new species (Plecoptera: Capniidae). North American Plecoptera Symposium 9, Sagehen Creek Field Station, Truckee, California. June 2009.
- Frandsen, P. B., Hapairai, L. K. M., Nelson, C. R. Distribution of flies (Diptera) on Maupiti, French Polynesia. Meetings of North American Dipterists' Society. Crescent City, California. June 2009.
- Nelson, C. R. 2009. Biodiversity in our backyard. Sustainability summit, Brigham Young University, Provo, Utah. April 2009.
- Wertz, J. R. and Nelson, C. R. 2009. The effects of grazing on the riparian Diptera (true fly) diversity of the Bayan Olgii Aimag, Mongolia. Annual Conference of the Utah Academy of Sciences, Arts, and Letters, Brigham Young University, Provo, Utah. April 2009.
- Frandsen, P. B., Nelson, C. R., Hapairai, L. K. M. 2009. The Ants (Hymenoptera: Formicidae) of Maupiti, French Polynesia. Annual Conference of the Utah Academy of Sciences, Arts, and Letters, Brigham Young University, Provo, Utah. April 2009.
- Nelson, C. R. 2009. On knowing: the times and seasons of Joseph Smith, Abraham Lincoln, and Charles Darwin. Charles Darwin Bicentennial Week at BYU, 1809-2009. Brigham Young University, Provo, Utah. February 2009.
- Nelson, C. R. 2008. A natural history of the middle of nowhere: insects of Mongolia, South Pacific islands, and Utah. Department of Entomology, Iowa State University, Ames, Iowa. October 2008.
- Nelson, C. R. 2008. The parsimony of insect close-up photography: what techniques yield maximum-likelihood of success?. Department of Entomology, Iowa State University, Ames, Iowa. October 2008.
- Walker, S. and Nelson, C. R. 2008. Suppressed by the community? Growth rates, diet, substrate electivity, and distribution of *Pictetiella expansa*, a rare rocky mountain stonefly (Plecoptera: Perlodidae). Annual Meeting of the North American Benthological Society. Salt Lake City, Utah. 29 May 2008.
- Welch, K. D., Frandsen, P. B., Nelson, C. R., Hapairai, L. K. M. 2008. Distribution of aquatic and semi-aquatic Diptera on Maupiti Island, French Polynesia. Annual Meeting of the North American Benthological Society, Salt Lake City, Utah. 27 May 2008.
- Hapairai, L. K. M., Nelson, C. R., Gelhaus J. K. 2008. Crane flies (Tipulidae) of Maupiti, French Polynesia. Annual Meeting of the North American Benthological Society, Salt Lake City, Utah. 27 May 2008.
- Bankhead, E. J., Walker, S., Nelson, C. R. 2008. Altitudinal and seasonal distribution comparison between aquatic, semi-aquatic, and terrestrial insects in the riparian corridor of the American Fork River, Utah. Annual Meeting of the North American Benthological Society. Salt Lake City, Utah. 27 May 2008.
- Martin, C. F., Auger, J., Black, H. L., Nelson, C. R., Jorgenson, C., Morrison, L. 2008. Spatial Distribution of Ant Species on the Islands of Hawaii. International Pacific Invasive Ant Conference, Kona, Hawaii. May 2008.
- Walker, S. and Nelson, C. R. 2008. The riparian validity of the mid-domain effect: elevational zonation of aquatic insects in American Fork River. Utah Conference on Undergraduate Research, Orem, Utah. February 2008.
- Nelson, C. R. 2008. Evolution, Science, and Religion: Overlaps and Boundaries. Honors Seminar, Brigham Young University. January 2008.

- Hapairai, L.M.K. and Nelson, C.R. 2007. A Survey of the flies (Diptera) and plants of Maupiti, French Polynesia. Annual Meeting of the Entomological Society of America. San Diego, California. December 2007.
- Walker, S. and Nelson, C.R. 2007. Image rich digital keys to aquatic insects of western North America: The Freshwater Aquatic Invertebrate Identification Guide. Annual Meeting of the Entomological Society of America. San Diego, California. December 2007.
- Walker, S. and Nelson, C.R. 2007. Altitudinal and seasonal zonation of Plecoptera, Trichoptera, and Ephemeroptera along the American Fork River, Utah. Annual Meeting of the Entomological Society of America. San Diego, California. December 2007.
- Nelson, C.R. 2007. Conservation, Invertebrates, and Violence. BYU Eco-Response Club, America Recycles Day. Brigham Young University. November 2007.
- Nelson, C. R. 2007. The Brackenridge Field Laboratory (BFL) in the lives and education of undergraduate students in Texas. 40<sup>th</sup> Anniversary of BFL and meeting of the University of Texas, College of Natural Sciences Foundation Advisory Council. Austin, Texas. October 2007.
- Nelson, A. J.; Lee, J. E. and Nelson, C. R. 2007. Metallic Wood-Boring Beetles (Coleoptera: Buprestid) of the Grand Staircase-Escalante National Monument, Utah, USA. Great Basin Cooperative Ecosystems Studies Unit. Salt Lake City, Utah. October 2007.
- Hanegan, N. and Nelson, C. R. 2007. AIDS, a professional development model to scale up authentic inquiry. European Science Education Research Association. Malmo, Sweden. August 2007.
- Nelson, C.R. and Walker, S. 2007. Freshwater Aquatic Invertebrate Identification Guide. Annual Meeting of the North American Benthological Society. Columbia, South Carolina. June 2007.
- Nelson, C. R. 2007. Invertebrate Conservation. Environmental Awareness Symposium. Brigham Young University. March 2007.
- Hatch, G., C. R. Nelson, and G. Burton. 2006. Value added on the road: enhancing the honors classroom experience. Annual Conference of the National Collegiate Honors Council. Philadelphia, Pennsylvania. 16 November 2006.
- Nelson, C. R., R. England, K. Garbutt, and M. Birgen. 2006. Science in Honors. Annual Conference of the National Collegiate Honors Council. Philadelphia, Pennsylvania. 18 November 2006.
- Nelson, C. R., N. Hanegan, D. Betts, and S. Morrison. 2006. Experimental evidence of malaise trap mesh size biasing catch of insects in biotic surveys and inventories. Annual Meeting Entomological Society of America. Indianapolis, Indiana. 10 Dec 2006.
- Hanegan, N. and C. R. Nelson. 2006. Authentic Inquiry: University Researchers in Collaboration with High Schools through UBEST and Project Crawfish. National Science Teachers Association Regional Conference. Salt Lake City, Utah. 7 December 2006.
- Nelson, C. R. 2006. Natural History in an Unnatural World. John Tanner Lecture, M. L. Bean Life Science Museum, Brigham Young University, 30 November 2006.
- Hanegan, N. and C. R. Nelson. 2006. Teachers Learning from the land; Utah's Biodiversity Experiences for Students and Teachers (UBEST). Grand Staircase-Escalante National Monument Learning From the Land Science Forum 2006. Cedar City, Utah. 12 September 2006.

- Nelson, C. R. 2006. The voluptuousness of biodiversity: fly biogeography on remote oceanic islands. Department of Integrative Biology, Ecolunch seminar, Brigham Young University. 3 March 2006.
- Nelson, C. R. 2006. What you can only see in Mongolia: Riley's latest Insect Field Expedition. Department of Integrative Biology, Ecolunch seminar, Brigham Young University. 13 January 2006.
- Nelson, C. R., A. J. Nelson, and Brett B. Smith. 2005. The mystax and the vertex: Robber flies of the Grand Staircase – Escalante National Monument, Utah, USA (Diptera: Asilidae). Annual Meeting of the Entomological Society of America, Fort Lauderdale, Florida. Extensive preparation for 7 November 2005, but meeting was postponed due to hurricanes.
- Nelson, A. J., J. E. Lee, and C. R. Nelson. 2005. The metallic wood boring beetles (Coleoptera: Buprestidae) of the Grand Staircase - Escalante National Monument, Utah, USA. Abstract for poster submitted for the Annual Meeting of the Entomological Society of America, Fort Lauderdale, Florida. Rejected because undergraduate first author wouldn't be present at meetings (on LDS mission).
- Nelson, C. R. 2005. An update on the flies of Mongolia. Field Meeting of the North American Dipterists Society. Malheur Field Station, Oregon. 5-9 August 2005.
- Nelson, C. R. 2005. Invertebrates of the Grand Staircase – Escalante National Monument: survey methods, effort curves, and dispersal tendencies of Arthropods. Grand Staircase – Escalante National Monument Science Forum. Escalante Interagency Center Theater, Escalante, Utah. 9 June 2005.
- Miller, S., C. R. Nelson, R. Johnson, Gideon Burton, G. Hatch, and Ed Cutler. 2005. Value added on the road: enhancing the honors classroom experience. 32<sup>nd</sup> Annual Conference of the Western Regional Honors Council. Las Vegas, Nevada. 7 – 8 April 2005.
- Hanegan, N. and C. R. Nelson. 2005. Aquatic Invertebrates: An electronic key. Annual meeting of the Utah Science Teachers Association: Midwinter Conference. Layton, Utah. 18 February 2005.
- Nelson, C. R. 2004. The history and future of Diptera studies in Utah and western North America. Symposium, North American Dipterists Society. Annual meeting of the Entomological Society of America. 16 November 2004.
- Johnson, R. L., M. Nelson, and C. R. Nelson. 2004. Pandora's stump: Diversity of Mycetophilidae in the Great Basin of North America. Symposium, North American Dipterists Society. Annual meeting of the Entomological Society of America. 16 November 2004.
- Courtney, G. and C. R. Nelson. 2004. Great Basin Diptera: 2005 Field Meeting of the North American Dipterists' Society in eastern Oregon. Symposium, North American Dipterists Society. Annual meeting of the Entomological Society of America. 16 November 2004.
- Anderson, T. J. and C. R. Nelson. 2004. The dance fly (Diptera: Empididae) composition of Mount Timpanogos, Utah, USA. Annual meeting of the Entomological Society of America. 15 November 2004.
- Nelson, C. R. 2004. Invertebrate identification: an image-rich guide. Technology Expo. Center for Instructional Design and the Educational Resources Group, Brigham Young University, 28 October 2004.

- Nelson, C. R. 2004. A Sense of Wonder: Biology research and teaching in a changing world. Faculty Advancement Seminar, Department of Integrative Biology, Brigham Young University, 21 October 2004.
- Nelson, C. R. 2004. The genus *Utacapnia* (Plecoptera: Capniidae), a scanning electron microscopy study of the male epiproct with phylogenetic and zoogeographic implications. XV International Symposium on Plecoptera. Flathead Lake Biological Station, Montana, 26 August 2004.
- Nelson, C. R. 2004. Te huru rau o te mau manumanu ivi-ore i nia i te fenua Maupiti i Polinesia Farani, o te moana Patitifa Apato'a (Macroinvertebrate species diversity studies on Maupiti, French Polynesia, South Pacific). University of California Berkeley Moorea, Richard B. Gump South Pacific Research Station. In the Tahitian language with simultaneous synopsis translation in English, to the governor of the island of Moorea, his governing council, elders of the villages, and other interested guests. 22 July 2004. This is probably the first scientific presentation of biodiversity research given in the Tahitian language by a non-native.
- Anderson, T. and C. R. Nelson. 2004. A preliminary survey of the dance flies (Diptera: Empididae) of the Mount Timpanogos area, Utah. USA. Annual Meeting of the Pacific Branch of the Entomological Society of America. 20-23 June 2004.
- Olsen, A. B., S. M. Clark, and C. R. Nelson. 2004. Donaciinae of Utah (Insecta: Coleoptera: Chrysomelidae). Utah Academy of Sciences, Arts & Letters, Annual Conference. Cedar City, Utah. 16 April 2004. Not claimed in 2004 annual report.
- Anderson, T. and C. R. Nelson. 2004. A preliminary survey of the dance flies (Diptera: Empididae) of the Mount Timpanogos area, Utah. USA. Utah Chapter of the Wildlife Society annual meeting. Provo, Utah. 4-6 February 2004.
- Nelson, C. R. 2004. Small wildlife: invertebrates on the Grand Staircase – Escalante National Monument, Garfield and Kane Counties, Utah. Utah Chapter of the Wildlife Society annual meeting. Provo, Utah. 4-6 February 2004.
- Guptill, J., A. Bingham, S. M. Clark, R. W. Baumann, and C. R. Nelson. 2004. Macroinvertebrates of Timpanogos Cave National Monument. Utah Chapter of the Wildlife Society annual meeting. Provo, Utah. 4-6 February 2004.
- Stucki, G. K. and C. R. Nelson. 2004. Robber flies of Mount Timpanogos, Utah (Diptera: Asilidae). Utah Chapter of the Wildlife Society annual meeting. Provo, Utah. 4-6 February 2004.
- Frischknecht, A. C., R. W. Baumann, and C. R. Nelson. 2004. Caddisflies of American Fork Canyon, Utah (Insecta: Trichoptera). Utah Chapter of the Wildlife Society annual meeting. Provo, Utah. 4-6 February 2004.
- Nelson, A. J., J. E. Lee, and C. R. Nelson. 2004. The metallic wood boring beetles (Coleoptera: Buprestidae) of the Grand Staircase – Escalante National Monument, Garfield and Kane Counties, Utah. Utah Chapter of the Wildlife Society annual meeting. Provo, Utah. 4-6 February 2004. Poster presentation.
- Nelson, C. R., J. K. Nelson, and S. N. Lyman. 2004. Initiating macroinvertebrate species diversity studies on Maupiti, French Polynesia. Utah Chapter of the Wildlife Society annual meeting. Provo, Utah. 4-6 February 2004.
- Krebs, T. M., C. R. Nelson, and R. L. Johnson. 2004. Invertebrate wildlife at Dugway Proving Ground, Utah: historical lists with new inventories for robber flies and bee flies

- (Insecta: Diptera: Asilidae and Bombyliidae). Utah Chapter of the Wildlife Society annual meeting. Provo, Utah. 4-6 February 2004.
- Nelson, C. R. 2004. Ecology and the Gaia Hypothesis. Guest lecture in Honor's course at Brigham Young University, 21 January 2004.
- Nelson, C. R. and R. W. Baumann. 2003. Invertebrates on the Grand Staircase – Escalante National Monument, Garfield and Kane Counties, Utah. Meeting of the Management Team of the Grand Staircase – Escalante National Monument, Kanab, Utah, 27 October 2003.
- Nelson, C. R. 2003. Keynote address: Scales of Space, Time, and Society in the Study of Stoneflies. Seventh North American Plecoptera Symposium, North American Plecoptera Society, Western State College of Colorado, Gunnison, Colorado, talk at Rocky Mountain Biological Laboratory, Gothic, Colorado, 7 June 2003.
- Nelson, C. R. and N. L. Hanegan. 2003. Desert stream ecology of west Texas, the interdependence of life. Southwest Consortium for the Improvement of Mathematics and Science Teaching, Teachers as Leaders Summer Academy. Dolan Falls Ranch Preserve, Vinegaroon, Texas, 30 May – 5 June 2003.
- Nelson, C. R. and N. L. Hanegan. 2003. Professional development for secondary: science teachers in a contextual setting. Paper presented at the Annual Meeting of the National Association for Research in Science Teaching, Philadelphia, Pennsylvania, 22-26 March 2003. Published in: Educational Resources Information Center # ED474722.
- Nelson, C. R. 2003. Zoology: ecology and evolution. Life, The Universe, & Everything, the Marion K. ("Doc") Smith Symposium on Sci-Fi & Fantasy, Brigham Young University, Provo, Utah, 13-15 February 2003.
- Nelson, C. R., J. C. Shields, E. Ahlstrom, H. Barber, and R. W. Baumann. 2003. Arthropods of the Grand Staircase - Escalante National Monument: survey methods, effort curves, and dispersal tendencies. Poster at Inaugural meeting of the International Biogeography Society, Mesquite, Nevada, 4-7 January 2003.
- Taylor, S. D., S. Bybee, C. R. Nelson, M. F. Whiting. 2002. Phylogeny of robber flies (Diptera: Asilidae): preliminary molecular analysis. Poster at Annual Meetings of the Entomological Society of America, Fort Lauderdale, Florida, 18 November 2002.
- Nelson, C. R. 2002. Teaching and learning evolution: lessons from research and practice. Panel member, Southwest Educational Development Laboratory (SEDL) and Southwest consortium for the Improvement of Teaching and Learning (SCIMAST), Austin, Texas, 4-5 November 2002.
- Nelson, C. R. 2002. Taxonomy of flies (Diptera) with special references to those of Neotropical areas. Tropical Biology course of the Organization for Tropical Studies, Palo Verde National Park, Costa Rica, 16 October 2002.
- Nelson, C. R. 2002. Techniques for estimating insect biodiversity in hyper-rich tropical areas. Tropical Biology course of the Organization for Tropical Studies, Palo Verde National Park, Costa Rica, 16 October 2002.
- Nelson, C. R. 2002. Introduction to the study biodiversity of Insects in Costa Rica. Tropical Biology course of the Organization for Tropical Studies, Palo Verde National Park, Costa Rica, 15 October 2002.
- Nelson, C. R. 2002. Identification of flies (Diptera) and other insects by general audiences using digital technologies: unlimited access to illustrations. 5th International Congress of Dipterology, Brisbane, Australia, 2 October 2002.

- Nelson, C. R. 2002. Polynesian island biogeography with respect to biodiversity of flies (Diptera). Tropical Biology Course, University of California, Berkeley, at Gump Research Station on Moorea Island, French Polynesia, 17 September 2002.
- Hanegan, N. K. and C. R. Nelson. 2002. Critical science issues to improve teacher content knowledge. National Science Teachers Association, National Convention, San Diego, California, 28 March 2002.
- Nelson, C. R. 2002. Natural history of the Grand Staircase-Escalante National Monument: a photoessay. Science Symposium of the Grand Staircase-Escalante National Monument, M. L. Bean Museum, Brigham Young University, Provo, Utah, 8 March 2002.
- Nelson, C. R. and R. W. Baumann. 2002. Aquatic insects and all flies of the monument: a progress report on survey efforts. Science Symposium of the Grand Staircase-Escalante National Monument, M. L. Bean Museum, Brigham Young University, Provo, Utah, 9 March 2002.
- Nelson, C. R. 2001. Discussions of Intensive Field Science Experiences as a professional development model for secondary science teachers. with Nikki Hanegan and co-workers at headquarters of Southwest Educational Development Laboratory (SEDL) and Southwest consortium for the Improvement of Teaching and Learning (SCIMAST), Austin, Texas, 17-18 December 2001.
- Nelson, C. R. 2001. Comparisons of aquatic insect diversity in arid North America: examples from the Edwards Plateau of Texas and the Colorado Plateau of Utah. Formal Conference, invited symposium, Annual Meetings of the Entomological Society of America, San Diego, California, 11 December 2001.
- Nelson, C. R. 2001. Flies on the Grand Staircase: collecting on the Colorado Plateau of southern Utah. Informal Conference of the North American Dipterists' Society, Annual Meetings of the Entomological Society of America, San Diego, California, 11 December 2001.
- Nelson, C. R. 2001. Asilidae of the Davis Mountains. Informal discussions at the meetings of the North American Dipterists' Society, Alpine, Texas, 2-3 June 2001.
- Nelson, C. R. 2001. The Interdependence of Life. Southwest Educational Development Laboratory (SEDL) and Southwest consortium for the Improvement of Teaching and Learning (SCIMAST), Devils River Ecosystem Experience. Teachers as Leaders Summer Institute. Co-organized with Nikki Hanegan of SEDL, Dolan Falls Ranch Preserve, Vinegaroon, Texas 4-8 June 2001.
- Nelson, C. R. 2001. Introduction to the study of insects while in Costa Rica and several other class presentations. Spring Semester, Organization for Tropical Studies course, La Selva, Costa Rica, 29 April-7 May 2001.
- Nelson, C. R. Nelson. 2001. Biomonitoring in subtropical Devils River of Texas. Evening seminar to the La Selva Research Community, La Selva, Costa Rica, 2 May 2001.
- Nelson, C. R. 2001. Aquatic insects in the Devils River, Texas: biodiversity at ecoregion crossroads. 2001 Spring Seminar Series, Department of Entomology, Texas A & M University, College Station, Texas, 22 March 2001.
- Nelson, C. R. 2001. Survey locations for insects and other invertebrates of the Grand Staircase-Escalante National Monument. 2001 Annual Meeting of the Bonneville Chapter of the American Fisheries Society and the Utah Chapter of the Wildlife Society, St. George, Utah, 21-23 February 2001.

- Nelson, C. R. 2001. Insects of the Coral Pink Sand Dunes. Kimberley T. Jefferies (presenter), Wendy N. V. Mendel, and C. Riley Nelson. 2001 Annual Meeting of the Bonneville Chapter of the American Fisheries Society and the Utah Chapter of the Wildlife Society, St. George, Utah, 21-23 February 2001.
- Nelson, C. R. 2001. A survey of the insects in the grand Staircase-Escalante National Monument. Wendy N. V. Mendel, Kimberley T. Jefferies, and C. Riley Nelson. 2001 Annual Meeting of the Bonneville Chapter of the American Fisheries Society and the Utah Chapter of the Wildlife Society, St. George, Utah, 21-23 February 2001.
- Nelson, C. R. 2000. Systematic key to the Proctacanthus of North America, the Philadelphicus Group (Diptera Asilidae). XXI International Congress of Entomology, Foz do Iguaçu, Brazil, 20-26 August 2000.
- Nelson, C. R. 2000. A brief geologic history of Utah, especially as it relates to stonefly (Plecoptera) distribution. Sixth North American Plecoptera Symposium, Provo, Utah, 24-26 May 2000.
- Nelson, C. R. 2000. A new species and extreme range extension in the *Capnia californica* species-group (Plecoptera: Capniidae) with notes on phylogenetic relationships and human historical perspectives. Sixth North American Plecoptera Symposium, Provo, Utah, 24-26 May 2000.
- Nelson, C. R. 2000. Water of northern Utah: a photoessay. Sixth North American Plecoptera Symposium, Provo, Utah, 24-26 May 2000.
- Nelson, C. R. 1999. Measuring richness and diversity of aquatic macroinvertebrate communities in the semitropical Devils River in South Texas. Annual Meeting of the Texas Academy of Science, Seguin, Texas, 4 -6 May 1999.
- Nelson, C. R. 1998. Comparison of aquatic insect community measures using adult and immature identifications at the semitropical Devils River and its tributaries in south Texas. Annual Meeting of the Entomological Society of America, Formal Conference on Aquatic Insects, 10 November 1998, Las Vegas, Nevada.
- Nelson, C. R. 1998. Measuring richness of aquatic insects of the Devils River in Texas. Meeting of the Society for Conservation Biology, University of Texas chapter, 18 November 1998, Austin, Texas.
- Nelson, C. R. 1998. Longitudinal and seasonal variation of winter stoneflies (Plecoptera: Capniidae) of the southern Sierra Nevada, California, USA. XII International Symposium on Plecoptera, 22 August 1998, Tafi del Valle, Argentina.
- Nelson, C. R. 1998. Multimedia, Plecoptera, Ephemeroptera, and general entomology: use of CD ROM and WWW technology for teaching and learning. Joint meeting: IX International Conference on Ephemeroptera and XII International Symposium on Plecoptera, 20 August 1998, Tafi del Valle, Argentina.
- Nelson, C. R. 1998. The Mayflies (Ephemeroptera) of the Devils River, Texas, USA. IX International Conference on Ephemeroptera, 18 August 1998, Tafi del Valle, Argentina.
- Nelson, C. R. 1998. Invertebrate diversity in deserts, forests, and mountains: gathering the who and where while pondering the why. Department of Zoology Seminar, 23 July 1998, Brigham Young University, Provo, Utah.
- Nelson, C. R., R. Ourso, M. D. Trautwein. 1997. A virtual field guide to common North American aquatic insects. Fifth North American Plecoptera Symposium, 6 June 1997, Montreal, Quebec, Canada.

- Nelson, C. R. 1997. 1997. Plecoptera on the Tree of Life and demonstration of World Wide Web resources on Plecoptera. Fifth North American Plecoptera Symposium, 7 June 1997, Montreal, Quebec, Canada.
- Stringer, S. M. and C. R. Nelson. 1997. Development of a sequential decision sampling plan for Devils River, Dolan Falls Preserve, Texas. Poster at Annual Meeting of the North American Benthological Society, 29 May 1997, San Marcos, Texas.
- Hulsey, D. and C. R. Nelson. 1997. Bedrock surbers: a quantitative biomonitoring tool for sampling macroinvertebrates in the Devils River, Texas. Poster at Annual Meeting of the North American Benthological Society, 29 May 1997, San Marcos, Texas.
- Ourso, R. and C. R. Nelson. 1997. An interactive handbook of common insect orders of North America. Poster and demonstration at Annual Meeting of the North American Benthological Society, 29 May 1997, San Marcos, Texas.
- McNeely, C. and C. R. Nelson. 1997. Estimation of total species richness in a riffle of the Devils River in arid south Texas. Poster at Annual Meeting of the North American Benthological Society, 29 May 1997, San Marcos, Texas.
- Easley, G. W. and C. R. Nelson. 1997. Caddisflies of the Dolan Falls Ranch, Val Verde County, Texas. Poster at Annual Meeting of the North American Benthological Society, 29 May 1997, San Marcos, Texas.
- Nelson, C. R. and R. Ourso. 1997. A virtual field guide to the insects, with special reference to aquatic forms. Demonstration at North American Dipterists' Society meetings, 4 May 1997, Rincon, Georgia.
- Nelson, C. R. 1996. Stoneflies on mountaintops: historical biogeography of the world. Southwest Texas State University, 28 October 1996, San Marcos, Texas.
- Nelson, C. R. and B. P. Stark. 1996. Phylogeny and zoogeography of the stonefly genus *Yoraperla* (Plecoptera: Peltoperlidae). Poster at The Phylogeny of Life and the Accomplishments of Phylogenetic Biology Symposium, University of Arizona, 10-13 October 1996, Tucson, Arizona.
- Nelson, C. R. and R. Ourso. 1996. An electronic field guide to the aquatic insects of the Brackenridge Field Laboratory in Austin, Texas. Multimedia presentation and software demonstration at Annual meeting of the North American Benthological Society, 3-8 June 1996, Kalispell, Montana.
- Nelson, C. R. and D. Giuliani. 1996. Seasonal variation in occurrence of winter stoneflies (Plecoptera: Capniidae) of the southern Sierra Nevada of California. Poster at Annual meeting of the North American Benthological Society, 3-8 June 1996, Kalispell, Montana.
- Nelson, C. R. 1995. Space, time, form, and connections: Diversity of aquatic insects in temporary pools of the Devils River flood plain. Aquatic Insects Conference, "Diversity and Ecology of Aquatic Insects in Temporary Habitats." Annual Meeting of the Entomological Society of America, 19 December 1995, Las Vegas, Nevada.
- Nelson, C. R. 1995. Diversity of the furry charismatic megafauna of the Diptera: Asilidae: What we know and what we don't know. Section A Symposium, "Dipteran Diversity." Annual Meeting of the Entomological Society of America, 17 December 1995, Las Vegas, Nevada.
- Nelson, C. R. 1995. Biodiversity in water at the crossroads to the tropics: the Devils River of Texas. Society of Conservation Biology, University of Texas, Austin, Chapter, 16 November 1995, Austin, Texas.

- Nelson, C. R. 1994. Crystal clear, open canopy, and permanent flow: a rare habitat combination for aquatic insects in the Devils River of Texas. Aquatic Insects Section Symposium, "Aquatic insects of the semi-arid and arid West." Annual Meeting of the Entomological Society of America, 13 December 1994, Dallas, Texas.
- Nelson, C. R. 1994. Stoneflies and Earth History. Dean's Scholars group. College of Natural Sciences, University of Texas at Austin, 11 November 1994, Austin, Texas.
- Nelson, C. R. 1994. Phylogenetics of robber flies in genera related to *Proctacanthus* Macquart (Diptera: Asilidae: Apocleini). Third International Congress of Dipterology, 15 August 1994, Guelph, Ontario, CANADA.
- Nelson, C. R. 1994. Mimicry and prey specificity in the green eyed monster, *Diogmites angustipennis* (Loew) (Diptera: Asilidae). Third International Congress of Dipterology, 15 August 1994, Guelph, Ontario, CANADA.
- Nelson, C. R. 1994. Phylogeny and Zoogeography of the roach-like stonefly genus *Yoraperla* Ricker (Plecoptera: Peltoperlidae): wonderful disjunctions. Fourth North American Plecoptera Symposium, 20 May 1994, Chattanooga, Tennessee.
- Nelson, C. R. 1994. Stoneflies, mountaintops, and the history of Earth. Naturalist's Forum. Academy of Natural Sciences of Philadelphia, 27 April 1994, Philadelphia, Pennsylvania.
- Nelson, C. R. 1994. When desert, chaparral, and forest collide: insect natural history of the Devils River, Texas. Joint meeting of the American Entomological Society and Entomological Society of Pennsylvania, 27 April 1994, Philadelphia, Pennsylvania.
- Nelson, C. R. 1993. Systematics of robber flies on sand and distributional ecology of parasitic insects on desert plants. Department of Zoology, Brigham Young University, 1 April 1993, Provo, Utah.
- Nelson, C. R. 1993. Rivers, relicts, and refugia: 250 million years of stonefly history. Department of Zoology, Brigham Young University, 2 April 1993, Provo, Utah.
- Nelson, C. R. 1993. Mountains and insects, age old questions and new age answers. Palaeobiology Seminar group, 9 February 1993, Austin, Texas.
- Nelson, C. R. 1992. Mountains and Insects: stoneflies unravel 250 million years of Earth history. Zoological Evolutionary, Ecological, and Behavioral Research Association, University of Texas, 14 October 1992, Austin, Texas.
- Nelson, C. R. 1992. Earth History: Plecoptera phylogenetics Permian to present. XI International Symposium on Plecoptera, 17-21 August 1992, Treehaven, Wisconsin.
- Nelson, C. R. 1991. Montane stoneflies (Plecoptera): relicts, rivers, and relations in western North America. Section A Symposium, Entomological Society of America Annual Meeting, 8-11 December 1991, Reno, Nevada.
- Nelson, C. R. 1991. Role of insect systematics in contemporary biology. Department of Entomology, North Dakota State University, 5 August 1991, Fargo, North Dakota.
- Nelson, C. R. 1991. Heteropogon Loew of the Texas Hill Country (Asilidae). North American Dipterists' Society Meeting, Southwestern Research Station, American Museum of Natural History, 31 May-3 June 1991, Portal, Arizona.
- Nelson, C. R. 1991. Genus level phylogenetics of winter stoneflies (Insecta: Plecoptera: Capniidae). Third North American Plecoptera Symposium, 17-19 May 1991, Fort Collins, Colorado.
- Nelson, C. R. 1991. Biogeography of stoneflies (Insecta: Plecoptera) of the Rocky Mountains and other ranges of North America. Biodiversity of the Rocky Mountains: A Symposium, Colorado State University, 12-15 March 1991, Fort Collins, Colorado.

- Nelson, C. R. 1990. Robber flies of central Texas: S. W. Bromley revisited (Diptera: Asilidae). Informal Diptera conference, Entomological Society of America National Meetings, 3 December 1990, New Orleans, Louisiana.
- Nelson, C. R. 1990. Boreal and tropical insect diversity: stoneflies and robber flies as models for systematic biogeography (Plecoptera: Capniidae; Diptera: Asilidae). Departmental seminar, Department of Entomology, University of Missouri, 27 September 1990, Columbia, Missouri.
- Nelson, C. R. 1990. North versus south: systematics and biogeography of winter stoneflies (Plecoptera: Capniidae) and robber flies (Diptera: Asilidae). Population Biology Seminar, Department of Zoology, University of Texas, 24 September 1990, Austin, Texas.
- Nelson, C. R. 1990. Naturalization of plant species in Utah: 1842 to present. Noxious Range Weeds National Conference. Utah State University, 6 August 1990, Logan, Utah.
- Nelson, C. R. 1990. Phylogenetics of North American winter stoneflies (Insecta: Plecoptera: Capniidae). International Congress of Systematics and Evolutionary Biology, July 1990, College Park, Maryland.
- Nelson, C. R. 1990. Are paraphyletic groups acceptable? Phylogenetics of the Proctacanthus group of genera in the robber fly tribe Apocleini (Asilidae). Entomological Society of America National Meetings, Informal Conference on Diptera Systematics, December 1989, San Antonio, Texas.
- Nelson, C. R. 1989. Preliminary report of Proctacanthus revision. North American Dipterists' Society, April, 1989, Lake Placid, Florida.
- Nelson, C. R. 1989. Incidence and distribution of mealybugs and related Homoptera of shadscale (Atriplex confertifolia): possible agents in the die-off problem in the Intermountain West of North America. Wildland Shrub Symposium, Nevada, April 1989, Las Vegas.
- Nelson, C. R. 1989. Phylogenetics and biogeography of the winter stonefly genus Capnia (Insecta: Plecoptera: Capniidae). Biosystematists' Group, March, 1989, San Francisco, California.
- Nelson, C. R. 1989. Winter stoneflies in California. Pacific Coast Entomological Society, February, 1989, San Francisco, California.

#### **PRESENTATIONS AND INVITED LECTURES, GENERAL PUBLIC**

- River Pomar, R., P. Passcq, D. Bea, R. Kuehnlein, and C. R. Nelson.  
Andiperla, stoneflies on Patagonian glaciers. Argentine National Radio Station, El Calafate, Argentina. One half hour live radio program transmitted to all of Argentina. February 2018.
- Clement, R. A. and six other undergraduate students with C. R. Nelson as advisor. 2017.  
Insect life. Provost Elementary School, Provo, Utah.
- Nelson, C. R. 2014. Art and science as discovery tools. Edgemont Tenth Ward Monday Group. March 2014.
- Nelson, C. R. 2014. Change through time with agency. Goblin Valley Youth Conference, Mapleton Ward, Utah. March 2014.
- Nelson, C. R. 2014. Science and change. BYU Honors Symposium. March 2014.

- Nelson, C. R., R. Anderson, R. Christensen, R. Clement, and M. Hall. 2012. Insects! Spiders! Scorpions! Reward lecture at Canyon Crest Elementary School, for science achievers. Provo, Utah. 18 April 2013.
- C. R. 2012. Scientist in the spotlight. Save the stonefly, save the world. Natural History Museum of Utah. 17 February 2012.
- Nelson, C. R. 2012. Fly diversity: welcome to the Diptera Bioblitz at Great Basin National Park. Baker, Nevada. 19 June 2012.
- Nelson, C. R. 2012. Desert flies are voluptuous. Upper Lehman Caves Campground Program. 19 June 2012.
- Nelson, C. R. 2012. Preliminary results of the 2012 Diptera Bioblitz at Great Basin National Park. Baker Nevada. 21 June 2012.
- Nelson, C. R. and Marcus Smith. 2011. Sense of Wonder, Thinking Aloud Series, KBYU Radio, 1 June 2011.
- Nelson, C.R. and Kimball, K. 2007. The little things that rule the Earth. Provo Library Group, Provo, UT. March 2007.
- Nelson, C. R. 2006. Insects of the World: Change through time Town meeting of Mapleton, Utah neighborhood. 17 April 2006.
- Nelson, C. R. 2006. Pretty Predators: Insects, Spiders, and Life Provo City Library Seminar Series, Provo, Utah. 13 April 2006.
- Nelson, C. R. 2004. Experiences in the South Seas. Little Rock Canyon, Edgemont Neighborhood Group, Provo, Utah, 1 November 2004.
- Nelson, C. R. 2004. Insects rule the world: how the small live with the large. Provo City Library's After-School Special, 7 October 2004.
- Nelson, C. R. 2004. The wonderful world of insects and entomology, Canyon Crest Elementary School, presentation to classes of kindergarten students, Provo, Utah, 30 April 2004.
- Nelson, C. R. 2004. The wonderful world of insects and entomology, Canyon Crest Elementary School, presentation to about six classes of students, Provo, Utah, 9 April 2004.
- Nelson, C. R. 2004. Insects and other arthropods in research at Brigham Young University, Project Youth, presentation to at-risk high school students at Brigham Young University, Provo, Utah, 1 April 2004.
- Nelson, C. R. 2004. Insects, spiders, and scorpions of Utah and the world. Provo City Library's After-School Special, 4 March 2004.
- Nelson, C. R. 2003. Invertebrates and natural history of the Grand Staircase – Escalante National Monument. Brownbag Seminar Series, Grand Staircase – Escalante National Monument, Kanab, Utah, 27 October 2003.
- Nelson, C. R. 2003. Insects and other animals of southern Utah. Provo City Library's After-School Special, 3 April 2003.
- Nelson, C. R. 2002. Fly research and history in Maupiti. Gathering of locals on Maupiti Island, French Polynesia, 19 September 2002.
- Nelson, C. R. 2002. Insects from the red rock country of southern Utah. Provo City Library's After-School Special, 11 April 2002.
- Nelson, C. R. 1996. Texas Insects. Learning Activities of Mature People (LAMP), University of Texas, 13 November 1996, Austin, Texas.

Nelson, C. R. Texas Insects. 1996. Learning Activities of Mature People (LAMP), University of Texas, 1 February 1996, Austin, Texas.

### **PUBLICITY AND POPULAR COVERAGE (since 2003)**

- BYU commercial, cameo appearance in widely used BYU promotional video. 2015.
- Walker, Julie. Clean water had bugs in it, says BYU Biology Professor Riley Nelson. BYU main web page. 10 May 2013.
- Jeffery, Duane. Entomophagy around the world. Daily Herald. Source of comments. 19 October 2011.
- Pete, Andrew. BYU Prof Given Award. Article about the Tanner Lectureship award. The Daily Universe. 4 December 2006.
- Hitler, D. Student pushes for Tahitian language course. Article highlighting Sarah Kendall's efforts. The Daily Universe. Brigham Young University. 19 November 2004.
- Fehlberg, M. Professor realizes dream. Article highlighting research in Maupiti. The Daily Universe. 18 November 2004.
- Bauman, J. Dragonflies' eyes may be 'windows' to romance. Deseret Morning News, 16 November 2004. Article highlighting mentored students presentations at the annual meeting of the Entomological Society of America. 14-18 November 2004.
- Hall, Samantha. Research trip to the island of Maupiti. Department of Integrative Biology, Brigham Young University, webpage spotlight. October 2004.
- Jasper, J. and C. R. Nelson. Ranger, what's that person doing? Looking for bugs. Newsletter feature in Timpanogos Cave National Monument, Resource Review an informal publication for cave staff, June 2004.
- Nelson, C. R. Informal Conference of Dipterists--2004 Annual Meeting of the Entomological Society of America. Brief article in Fly Times 32, Newsletter of the North American Dipterists' Society. Meeting details and color photographs, <http://www.nadsdiptera.org/News/FlyTimes/Flyhome.htm>, April 2004.
- Warnock, C. Wildlife Society gathers to share findings. Adam Frischknecht and our lab were featured in a lead headline, first page second (B) section full-color photograph and article in the Provo Daily Herald newspaper with respect to this conference and his caddis fly presentation, Provo, Utah. 6 February 2004.
- Johnson, S. Bugs to potentially improve lives. Comments of C. R. Nelson on genetically modified insects featured in an internal article in the Daily Universe, Brigham Young University, Provo, Utah newspaper. 3 February 2004.
- Jensen, D. P. Dangerous spiders hitch a ride to Utah. Comments of C. R. Nelson on venomous spiders featured in a below the fold, first page second (B) section article in the Salt Lake Tribune, Salt Lake City, Utah. 17 December 2003.
- Sites, J.W. Jr. (most photographs by C. R. Nelson). 2001. Biodiversity firsthand: field instruction in Amazonia. Bridges magazine, Winter 2001: 4-11.
- Nelson, C. R. and D. Cerda. 1998. Aquatic insects of McKinney Roughts. Newsletter of the Texas Botanical Garden Society March 1998 3: 4.

### **REFERENCES**

Available on request.