

**RONALD L. JOHNSON**  
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**ACADEMIC TRAINING**

BS	Calif. State Univ., Long Beach	1977	Marine Biology
MA	University of Northern Colorado	1981	Biology
DA	University of Northern Colorado	1985	Biology

**PROFESSIONAL EXPERIENCE**

Assistant Professor of Biology	Sterling College	1981-1985
Associate Professor of Biology	Springfield College	1985-1992
Assistant Professor of Biology	Arkansas State Univ.	1992-1998
Associate Professor of Biology	Arkansas State Univ.	1998-2002
Professor of Biology	Arkansas State Univ.	2002-Present
Interim Chair of Biology	Arkansas State Univ.	2002-2003
Assistant Chair of Biology	Arkansas State Univ.	2003-2014

**SCHOLARLY PUBLICATIONS**

- Lusk, S.C., T.B. Hobbs, K. Winningham, D.C. Dennis, J. Buckingham, C.R. Middaugh, and R.L. Johnson. 2022. Evaluating the genetic response following introduction of Florida Largemouth Bass into two large Arkansas reservoirs. *Journal of the Southeastern Association of Fish and Wildlife Agencies* 9: 8–16.
- Neupane, D., Y. Kwon, T.S. Risch, and R.L. Johnson. 2020. Changes in habitat suitability over a two decade period before and after Asian elephant recolonization. *Global Ecology and Conservation* 22:e01023.
- Salinger, J.M. and R.L. Johnson. 2020. Size selective parasitism of Rainbow Trout (*Oncorhynchus mykiss*) by Chestnut Lampreys (*Ichthyomyzon castaneus*) in an artificial setting," *Southeastern Fishes Council Proceedings*: No. 59.
- Neupane, D., Y. Kwon, T.S. Risch, A.C. Williams, and R.L. Johnson. 2019. Habitat use by Asian elephants: Context matters. *Global Ecology and Conservation* 17: e00570.
- Salinger, J. and R.L. Johnson. 2019. Parasitism of rainbow trout in hatchery raceways by Chestnut Lampreys. *North American Journal of Aquaculture* 81(3):230-234.
- Salinger, J. and R.L. Johnson. 2019. Host usage and distribution of Chestnut Lampreys in Arkansas streams. *Southeastern Naturalist* 18(2):303-313.
- Salinger, J., R.L. Johnson and B. Wagner. 2018. Update of distribution of the Chestnut Lamprey in Arkansas. *Arkansas Academy of Sciences* 72:161-166.
- Neupane, D., S. Kunwar, A.K. Bohara, T. Risch and R.L. Johnson. 2017. Willingness to pay for mitigating human-elephant conflict by residents of Nepal. *Journal for Nature Conservation*

36:65-76.

- Risley, J.T., R.L. Johnson and J.W. Quinn. 2016. Evaluation of the commercially exploited paddlefish fishery in the Lower Mississippi River of Arkansas. *Southeastern Association of Fish and Wildlife Agencies* 4:52-59.
- Lamothe, K.A., R.M. Allen, K. Winningham, C. Dennis and R.L. Johnson. 2016. Stocking for a trophy bass fishery: Searching for size differences among largemouth bass and hybrids in southern Arkansas reservoirs. *Lake and Reservoir Management* 32(2):194-207.
- Neupane, D., R.L. Johnson and T.S. Risch. 2017. How do land-use practices affect human-elephant conflict in Nepal? *Wildlife Biology* 2017:wlb-00313.
- Risley, J.T. and R.L. Johnson 2016. Effectiveness of slot-length limits to maintain an Arkansas trophy Largemouth bass fishery characterized by high voluntary release rates by anglers. *Southeastern Association of Fish and Wildlife Agencies* 3:112-120.
- Brockway, W.J. and R.L. Johnson. 2015. Introduction of Florida bass alleles into largemouth bass inhabiting northeast Arkansas stream systems. *Arkansas Academy of Sciences* 69:29-36.
- Neupane, D., R.L. Johnson and T.S. Risch. 2014. Temporal and spatial patterns of human-elephant conflict in Nepal. Pp. 856-888 in 2013 International Elephant & Rhino Conservation & Research Symposium Proceedings. August 26 -30, 2013. Pittsburgh Zoo & PPG Aquarium.
- Chandarana, J, D.J. Reish and R.L. Johnson. 2013. Genetic structure of the polychaete *Nereis grubei* in the context of current patterns and life history. *Marine Ecology Progress Series* 473:215-224.
- Lamothe, K., and R.L. Johnson. 2013. Microsatellite analysis of trophy largemouth bass from Arkansas reservoirs. *Journal of the Arkansas Academy of Science* 67:71-80.
- Lamothe, K., R. L. Allen, C. Cato, K. Winningham, C. Dennis, and R.L. Johnson. 2012. Shifting genetic composition of largemouth bass populations in dendritic arms of two large Arkansas reservoirs through stocking of Florida largemouth bass. *Southeastern Association of Fish and Wildlife Agencies* 66:82-87.
- Johnson, R.L., S.D. Henry and S.W. Barkley. 2010. Distribution and population characteristics of shadow bass in two Arkansas Ozark streams. *North American Journal of Fisheries Management* 30:1522-1528.
- Weston, M.R., R.L. Johnson and A.C. Christian. 2010. Niche partitioning of the sympatric yellowcheek darter *Etheostoma moorei* and rainbow darter *Etheostoma caeruleum* in the Little Red River, Arkansas. *American Midland Naturalist* 164:187-200.
- Johnson, R.L. 2009. A comparison of genetic structuring of Yellowcheek Darters (*Etheostoma moorei*) using AFLPs and allozymes. *Biochemical Systematics and Ecology* 37:298-303.
- Wine, M.S., M.R. Weston and R.L. Johnson. 2009. Density dynamics of a threatened species of darter at spatial and temporal scales. *Southeastern Naturalist* 7:665-678.
- Allen, R., C. Cato, C. Dennis and R.L. Johnson. 2009. Condition relative to phenotype for bass populations in southern Arkansas lakes. *Arkansas Academy of Sciences* 63:20-27.
- Mitchell, R.M., R.L. Johnson and G.L. Harp. 2009. Population structure of an endemic species of yellowcheek darter, *Etheostoma moorei* (Raney and Suttkus), of the upper Little Red River, Arkansas. *American Midland Naturalist* 48:129-137.

- Johnson, R.L., S.D. Henry, and S.W. Barkley. 2009. Distribution and population characteristics of walleye in the lower Eleven Point River, Arkansas. *Arkansas Academy of Sciences* 63:1-9.
- Allen, R. and R.L. Johnson. 2009. Temporal changes of largemouth bass alleles in a northern Arkansas reservoir stocked with Florida bass. *Arkansas Academy of Sciences* 63:28-33.
- Kaimal, B., R.L. Johnson, and R. Hannigan. 2009. Distinguishing breeding populations of mallards (*Anas platyrhynchos*) using trace elements. *Journal of Geochemical Exploration* 102:44-48.
- Johnson, R.L., A.D. Christian, S.D. Henry and S.W. Barkley. 2009. Distribution, population characteristics, and physical habitat associations of black bass (*Micropterus*) in the lower Eleven Point River, Arkansas. *Southeastern Naturalist* 8(4):653-670.
- Trauth, J.B., S.E. Trauth and R.L. Johnson. 2009. Best management practices and drought combine to silence the Illinois chorus frog in Arkansas. *Wildlife Society Bulletin* 34:514-518.
- Johnson, R.L. and T. Kennon. 2009. Teaching population genetics and evolution in the biology classroom using *Drosophila*. *American Biology Teacher* 38:14-19.
- Johnson, R.L. and T. Fulton. 2006. Persistence of Florida largemouth bass alleles in a northern Arkansas population of largemouth bass, *Micropterus salmoides* Lacepede. *Ecology of Freshwater Fish* 8:35-42.
- Wine, M.S., M. Weston and R.L. Johnson. 2008. Population dynamics and ecology of a species of darter endemic to Arkansas. *Southeastern Naturalist* 7:665-678.
- Henry, S.D., S.W. Barkley, J.B. Koppelman and R.L. Johnson. 2008. Assessment of stocking success of walleye (*Sander vitreus*) in the Eleven Point River, Arkansas. *North American Journal of Fisheries Management* 28:1498-1505.
- Trauth, J.B., R.L. Johnson and S. E. Trauth. 2007. Conservation implications of a morphometric comparison between the Illinois chorus frog (*Pseudacris streckeri illinoensis*) and Strecker's chorus frog (*P. s. streckeri*) (Anura: Hylidae) from Arkansas, Illinois, Missouri, Oklahoma, and Texas. *Zootaxa* 1589:23-32.
- Weston, M.R. and R.L. Johnson. 2007. Visible implant elastomer as a tool for marking Etheostomine darters (Actinopterygii: Percidae). *Southeastern Naturalist* 7:159-164.
- Johnson, R.L., S.M. Coghlan and T. Harmon. 2007. Spatial and temporal variation in prey selection of brown trout in a cold Arkansas tailwater. *Ecology of Freshwater Fish* 16:373-384.
- Johnson, R.L., S.C. Blumenshine and S.M. Coghlan. 2006. A bioenergetic analysis of factors limiting brown trout growth in an Ozark tailwater river. *Environmental Biology of Fishes* 77:121-132.
- Johnson, R.L., R.M. Mitchell and G.L. Harp. 2006. Genetic variation and genetic structuring of a numerically declining species of darter, *Etheostoma moorei* Raney & Suttkus, endemic to the Upper Little Red River, Arkansas. *American Midland Naturalist* 156:37-44.
- Trauth, J.B., S. E. Trauth and R. L. Johnson. 2005. Best management practices and drought combine to silence the Illinois Chorus Frog in Arkansas. *Wildlife Society Bulletin* 34:514-518.
- Henry, S.D., S.W. Barkley and R.L. Johnson. 2005. Exploitation of Nile Tilapia in a closed system, public fishing reservoir in northern Arkansas. *North American Journal of Fisheries Management* 25:853-860.
- Johnson, R.L. and G. L. Harp. 2005. Spatio-temporal changes of benthic macroinvertebrates in a cold

Arkansas tailwater. *Hydrobiologia* 537:15-24.

- Sako, A., C.M. O'Reilly, R. Hannigan, N. Bickford and R.L. Johnson. 2005. Variations in otolith elemental compositions of two clupeid species, *Stolothrissa tanganicae* and *Limnothrissa miodon* in Lake Tanganyika. *Geochemistry: Exploration, Environment, Analysis* 5:91-97.
- Johnson, R.L. and T. Fulton. 2004. Incidence of Florida largemouth alleles in two northern Arkansas populations of largemouth bass, *Micropterus salmoides* Lacepede. *American Midland Naturalist* 152:425-429.
- Johnson, R.L. and K. A. Williams (ASU undergraduate). 2003. Genetic relationships of some common Arkansas freshwater sunfishes (Centrarchidae: *Lepomis*) inferred from restriction endonuclease analysis of mitochondrial DNA. *Arkansas Academy of Sciences* 57:95-99.
- Johnson, R.L. and C. F. Cavanaugh (ASU undergraduate). 2003. Genetic similarity of shadow and Ozark basses (*Ambloplites*) as determined by mitochondrial DNA analysis. *Arkansas Academy of Sciences* 57:204-208.
- Johnson, R.L., J. Magee and T. A. Hodge. 2002. Phylogenetics of freshwater black basses (Centrarchidae: *Micropterus*) inferred from restriction endonuclease analysis of mitochondrial DNA. *Biochemical Genetics* 39:396-406.
- Mitchell, R.M., R.L. Johnson and G.L. Harp. 2002. Population structure of an endemic species of yellowcheek darter, *Etheostoma moorei* (Raney and Suttkus), of the upper Little Red River, Arkansas. *American Midland Naturalist* 148:129-137.
- Johnson, R.L. and R.S. Staley. 2001. Identification of Florida largemouth bass alleles in Arkansas public and private aquaculture ponds. *Arkansas Academy of Sciences* 55:82-85.
- Johnson, R.L., D. Ward and R. S. Grippo. 2000. Physicochemical and macroinvertebrate assemblages of riffles upstream and downstream of a streambank impacted by unrestricted cattle access. *Arkansas Academy of Sciences* 54:68-76.
- Johnson, R.L., F.Q. Liang and J.L. Farris. 1999. Genetic relationships of several Amblemini species (Bivalvia: Unionidae) in Arkansas. *Journal of Shellfish Research* 17: 1237-1242.
- Johnson, R.L., F.Q. Liang, C.D. Milam and J.L. Farris. 1999. Genetic diversity and cellulolytic activity among several species of Unionid bivalves in Arkansas. *Journal of Shellfish Research* 17:(5):1375-1382.
- Johnson, R.L., F.Q. Liang, and J.L. Farris. 1998. Genetic diversity among four Amblemini species (Bivalvia: Unionidae) in the Cache and White rivers, Arkansas. *Southwestern Naturalist* 43(3):321-332.
- Johnson, R.L. and R.M. Davis. 1997. Age, growth and condition of largemouth bass, *Micropterus salmoides*, of Lake Ashbaugh, Arkansas. *Arkansas Academy of Sciences* 51:95-102.
- Johnson, R.L. 1997. Science and criminal investigation. *Science Scope* 21(3):22-25.
- Johnson, R.L. and J. Pignatare. 1994. Restriction fragment length polymorphisms in the largemouth bass, *Micropterus salmoides salmoides*, in a small Massachusetts kettlehole. *American Midland Naturalist* 133:364-367.
- Johnson, R.L. 1994. The puzzle of man's past: An exercise for introducing evolution of the human species. *Journal of College Science Teaching* 25(2):111-113.

Johnson, R.L. 1993. Directed student research at the undergraduate level. *Journal of College Science Teaching* 22:274-75.

Johnson, R.L. and E.E. Peeples. 1987. The role of scientific understanding in college student acceptance of evolution. *American Biology Teacher* 49(2):93-98.

### **GRANTS FUNDED:**

Arkansas Game & Fish Commission. Fall dispersal and genetic diversity of Ozark Pocket Gophers. 7/01/2021 –. \$81,720.

Arkansas Game & Fish Commission. Determination of incorporation of Florida bass (*Micropterus floridanus*) alleles in largemouth bass (*Micropterus salmoides*) populations of several Arkansas reservoirs using microsatellite analysis. 7/1/12- 6/30/13. \$11,000.

Arkansas Game & Fish Commission. Determination of incorporation of Florida bass (*Micropterus floridanus*) alleles in largemouth bass (*Micropterus salmoides*) populations of several Arkansas reservoirs using microsatellite analysis. 7/1/11- 6/30/12. \$14,130.

US Fish & Wildlife Society. Genetic Study of Asian Elephant (*Elephas maximus*) Herds in Eastern Himalayan Region. Co-PI. 05/10/2012- \$49,997.

Arkansas Game and Fish Commission. Genetic analysis of Florida and largemouth basses of southern Arkansas lakes using microsatellites. 8/1/10-7/31/11. \$14,130.

Arkansas Game and Fish Commission. Genetic analysis of Florida and largemouth basses of southern Arkansas lakes using microsatellites. 8/1/09-7/31/10. \$13,250.

Arkansas Game and Fish Commission. Genetic analysis of Florida and largemouth basses of southern Arkansas lakes using microsatellites. 8/1/08-7/31/09. \$12,766.

Arkansas Game and Fish Commission. Genetic analysis of Florida and largemouth basses of southern Arkansas lakes using microsatellites. 8/1/07-7/31/08. \$12,500.

ASU Faculty Research Grant. Relationship of gene flow to geographic distance in two species of polychaetes with different dispersal capabilities. 8/1/08-7/31/09. \$6,000.

Arkansas Game and Fish Commission. Genetic analysis of Florida and largemouth basses of southern Arkansas lakes using microsatellites. 6/1/07-7/31/08. \$25,200. Completed.

Arkansas Game and Fish Commission. Gene flow and genetic structuring of yellowcheek darters (*Etheostoma moorei*) in the Little Red River watershed. Completed. \$5,665.

SURF/SILO Arkansas Department of Higher Education. Introduction of Florida largemouth bass in an Arkansas population of northern largemouth bass and the performance of bass with those alleles. Co-PI. 12/31/06-12/31/07. \$3,900.

Beckman Coulter Corp. Genomics educational grant- Beckman DNA sequencer. Co-PI. \$65,100. 2005.

Arkansas Game and Fish Commission. Genetic and Morphologic Diversity and Relatedness in and Among Populations of Illinois Chorus Frogs (*Pseudacris streckeri illinoensis*) and Strecker=s Chorus Frogs (*P. s. streckeri*) in Arkansas. Co-PI. Completed. \$65,994.

Arkansas Department of Higher Education. Introducing molecular biology into the secondary classroom. Co-author. Completed. \$44,479.

US Fish and Wildlife Service. Migration of yellowcheek darters (*Etheostoma moorei*) in the Little Red River watershed. Completed. \$17,000.

US Fish and Wildlife Service. Gene flow and genetic structuring of yellowcheek darters (*Etheostoma moorei*) in the Little Red River watershed. Completed. \$5,000.

Arkansas Game and Fish Commission. A bioenergetic and food web analysis of factors limiting brown trout growth in the Little Red River, AR tailwaters: Potential for management options? Co-author. Completed. \$2,500.

Arkansas Game and Fish Commission. Species limits and phylogeography of Lampsilinae (Bivalvia: Unionidae) in Arkansas with emphasis on species of *Lampsilis*. Co-author. Completed. \$58,935.

SILO Undergraduate Research Fellowship. Genetic relationships of the rock basses (*Ambloplites*) as determined by mitochondrial DNA analysis. Co-author. Completed. \$3,751.

SILO Undergraduate Research Fellowship. Genetic relationships of several species of *Lepomis* as determined by mitochondrial DNA analysis. 12/00-8/01; \$3,592. Completed.

ASU Faculty Research Grant. Relationship of gene flow to geographic distance in two species of polychaetes with different dispersal capabilities. 8/1/00-7/31/01. \$8,200. Completed.

Arkansas Game and Fish Commission. A survey of the macroinvertebrates and brown trout feeding habits within the Little Red River. 9/99-6/01.; \$10,764. Completed.

Arkansas Soil and Water Conservation Commission. Demonstration of streambank restoration on the Southfork of the Spring River, Arkansas. 1/1/98-5/02. \$60,000. Completed.

ASU Faculty Research Grant. Genetic and meristic variation between and within populations of *Etheostoma moorei*, the yellowcheek darter. Coauthor. 12/1/97-present. \$2,500. Completed.

SILO Undergraduate Research Fellowship. Genetic distance for the blue and channel catfishes (Genus: *Ictalurus*) as determined by mitochondrial DNA analysis. 12/1/97- 5/30/99. \$3,100. Completed.

Arkansas Science and Technology Authority. Genetic distance of and evolution of the Micropterid basses as determined by mitochondrial DNA analysis. 5/96-9/97; \$35,406. Completed.

ASU Faculty Research Grant. Genetic distance of and evolution of the Micropterid basses as determined by mitochondrial DNA analysis. 8/96-9/97. \$6,340. Completed.

Arkansas Game and Fish Commission. Genotype, growth, condition and health of largemouth bass in Lakes Ashbaugh and SWEPCO, Arkansas. 10/95-4/96; \$1,350. Completed.

Arkansas Department of Higher Education: The Dwight D. Eisenhower Mathematics and Science Education Act. A summer training program for secondary teachers in molecular biology and biotechnology. Summers 1995-1996; \$16,923. Completed.

SILO Undergraduate Research Fellowship. Restriction fragment length polymorphism of mitochondrial DNA in the smallmouth bass, *Micropterus dolomieu*. 11/94-10/95; \$2,677. Completed.

SILO Undergraduate Research Fellowship. Detection of interspecific DNA sequence variation in the mitochondrial cytochrome B gene of the Micropterid basses. 11/93-10/94; \$2,794. Completed.

ASU Faculty Research Grant. Allozyme analysis of freshwater mussels: Modeling of genotypic diversity in aquatic ecosystems. Coauthor. Fall 1993; \$10,664. Completed.

Southwestern Bell Minority Internship Program in Science and Mathematics- Molecular Biology Applications in Field Biology. Coauthor. 2 yrs, Summers 1993-1994; \$100,000 Renewed 1995-1996; \$100,000. Completed.

## **PRESENTATIONS TO LEARNED FORUMS**

Risley, J.T. and R.L. Johnson 2015. Effectiveness of Slot-length Limits to Maintain an Arkansas

Trophy Largemouth Bass Fishery Characterized by High Voluntary Release Rates by Anglers.

Southeastern Association of Fish and Wildlife Agencies November 3, 2015, Asheville, NC.

Brockway, W.J. and R.L. Johnson. 2015. Introduction of Florida bass alleles into largemouth bass inhabiting northeast Arkansas stream systems. Arkansas Academy of Sciences, April 11, 2015, Arkadelphia, AR.

Lamothe, K. and R.L. Johnson. Microsatellite Analysis of Trophy Largemouth Bass from Arkansas Reservoirs. Arkansas Academy of Sciences, April 5, 2013, Little Rock, AR.

Risch, T., A. Gill, R. Grippo, R. Johnson, and T. Kennon. 2012. National Science Foundation Informal Science Education Program Proposal: Fishing for STEM Literacy 31st Annual Meeting of the Society of Environmental Toxicology and Chemistry, Long Beach, CA.

Lamothe, K. and R.L. Johnson. Shifting Genetic Composition of Largemouth Bass Populations in Dendritic Arms of Two Large Arkansas Reservoirs Through Stocking of Florida Largemouth Bass. Southeastern Association of Fish and Wildlife Agencies October 10, 2012. Hot Springs, AR

J. Richardson, M. Gadbury, C. Cato, R. Allen and R.L. Johnson. Levels of hybridization of largemouth and Florida bass in several Arkansas lakes. Arkansas Academy of Sciences, April 9, 2010, Little Rock, AR.

R. Allen, C. Cato, C. Dennis and R.L. Johnson. Condition Relative to Phenotype for Bass Populations in Southern Arkansas Lakes. Arkansas Academy of Sciences, April 3, 2009, Clarksville, AR

R.L. Johnson, S.D. Henry, and S.W. Barkley. Distribution and Population Characteristics of Walleye in the Lower Eleven Point River, Arkansas. Arkansas Academy of Sciences, April 3, 2009, Clarksville, AR

R. Allen and R.L. Johnson. Temporal changes of largemouth bass alleles in a northern Arkansas reservoir stocked with Florida bass. Arkansas Academy of Sciences, April 3, 2009, Clarksville, AR

C. Cato, R. Allen and R.L. Johnson. Genetic structure of largemouth bass (*Micropterus salmoides*) in several Arkansas lakes as determined by microsatellite analysis following the stocking of Florida bass (*Micropterus floridanus*). American Fisheries Society, Nashville, TN. September 2, 2009

C. Cato, R. Allen, and R.L. Johnson. 2009. Genetic structure of largemouth bass (*Micropterus salmoides*) populations in several Arkansas lakes following the stocking of Florida bass (*Micropterus floridanus*): insight to the extent and effects of hybridization. American Fisheries Society, Arkansas Chapter, February 6; Bentonville, AR.

G. Harp, R. Mitchell, M. Wine, S. Blumenshine, M. Weston and R.L Johnson. 2008. Ecology and genetic structure of the darter *Etheostoma moorei* of the upper Little Red River, Arkansas. Arkansas Wildlife Action Conference, September 4, Mt. Magazine, Arkansas.

J. Trauth, S.E. Trauth and R.L. Johnson. 2008. Diversity and relatedness of Illinois Chorus Frogs (*Pseudacris streckeri illinoensis*) and Strecker's Chorus Frogs (*P. s. streckeri*). Arkansas Wildlife Action Conference, September 5, Mt. Magazine, Arkansas.

Allen, R., C. Cato, R.L. Johnson, and A.D. Christianson. 2008. Genetic structure of largemouth bass (*Micropterus salmoides*) populations in several Arkansas lakes following the stocking of Florida bass (*Micropterus floridanus*): insight to the extent and effects of hybridization.

American Fisheries Society, Southern Division, February 29; Wheeling, West Virginia.

Allen, R., C. Cato, R.L. Johnson, and A.D. Christian. 2008. Genetic structure of largemouth bass (*Micropterus salmoides*) populations in several Arkansas lakes following the stocking of Florida bass (*Micropterus floridanus*): insight to the extent and effects of hybridization. American Fisheries Society, Arkansas Chapter, February 21; Tunica.

R.L. Johnson and N.T. Stephens. 2007. Genetic analysis of yellowcheek darter populations using AFLPs. American Fisheries Society, Southern Division, February 10; Memphis.

Stephens, N.T. and R. L. Johnson. 2005. High resolution analysis of yellowcheek darter population structure using AFLPs. Joint Meeting of Herpetologists and Ichthyologists. July 10; Tampa, FL. Poster.

Henry, S.D., S.W. Barkley and R.L. Johnson. 2005. Exploitation of Nile tilapia in a closed system, public fishing reservoir in northern Arkansas. American Fisheries Society, September 11; Anchorage, AL. Poster.

Henry, S.D., S.W. Barkley and R.L. Johnson. 2004. Exploitation of Nile tilapia in a closed system, public fishing reservoir in northern Arkansas. Southeastern Association of Fish and Wildlife Agencies. November 1; Hilton Head, SC. Poster.

Blumenshine, S and R.L. Johnson. 2004. Factors affecting growth rates in Little Red River brown trout and potential benefits of forage base enhancement. North American Benthological Society. June 8; Vancouver, British Columbia.

Sanders, T.N. and R.L. Johnson. 2004. Phylogenetic systematics of certain *Lampsilis* species in Arkansas as determined by amplified fragment length polymorphisms. Joint meeting of Freshwater Mollusk Conservation Society and U.S. Fish and Wildlife Service; June 29-30; Shepherdstown, WV. Poster.

Trauth, J.B., M.L. McCallum, S.E. Trauth and R.L. Johnson. 2004. Population decline and taxonomic status of the Illinois chorus frog (*Pseudacris streckeri illoensis*) in Arkansas. Joint meeting of Ichthyologists and Herpetologists. May 26-31; Norman, OK. Poster.

Sako, A., C. O'Reilly and R.L. Johnson. 2004. Behavior of rare earth and trace elements in Lake Tanganyika and its three major tributaries. American Geophysical Union; February 13-17; San Francisco, CA. Poster.

Weston, M. and R.L. Johnson. 2004. Migration of yellowcheek darters (*Etheostoma moorei*) in the Little Red River watershed. Arkansas American Fisheries Society meeting, February 4, Pine Bluff.

Johnson, R.L. and S. Blumenshine. 2003. Population estimates/genetic structure of an endemic species of darter, *Etheostoma moorei* Raney & Suttkus, of the upper Little Red River, Arkansas. American Fisheries Society, August 13, Quebec City

Blumenshine, S and R.L. Johnson. 2003. Factors affecting growth rates in Little Red River brown trout and potential benefits of forage base enhancement. American Fisheries Society, August 14, Quebec City

R.L. Johnson and K. A. Williams (former ASU undergraduate). 2003. Genetic relationships of some common Arkansas freshwater sunfishes (Centrarchidae: *Lepomis*) inferred from restriction endonuclease analysis of mitochondrial DNA. Arkansas Academy of Sciences, April 5, Fayetteville, AR.

C. F. Cavanaugh (ASU undergraduate) and R.L. Johnson. 2003. Genetic similarity of shadow and Ozark basses (*Ambloplites*) as determined by mitochondrial DNA analysis. Arkansas Academy of Sciences, April 5, Fayetteville, AR.

C. F. Cavanaugh (ASU undergraduate) and R.L. Johnson. 2003. Genetic similarity of shadow and Ozark basses (*Ambloplites*) as determined by mitochondrial DNA analysis. Joint meeting of Arkansas and Tennessee Chapters of American Fisheries Society, March 4, Jackson, TN.

L. Kanieski, R. Grippo, and R.L. Johnson. Effects of streambank stabilization and reduction of cattle access as a best management plan on the South Fork of the Spring River, AR. Arkansas Soil and Water Education Conference, January 15, 2002.

T. Harmon and R.L. Johnson. A survey of the macroinvertebrates and brown trout (*Salmo trutta*) feeding habits, condition and growth within the Little Red River. American Fisheries Society, Southern Division, February 23, 2002.

L. Kanieski, R. Grippo, and R.L. Johnson. The effects of streambank stabilization and reduction of cattle access as a best management plan on the South Fork of the Spring River, AR. American Fisheries Society, Southern Division, February 23, 2002.

R.L. Johnson and S. Blumenshine. A bioenergetic and food web analysis of factors limiting brown trout growth in the Little Red River, AR tailwaters: Potential for management options? Arkansas Game and Fish Commission: Fish and Wildlife Research Symposium, October 15, 2002.

Harmon, T. and R.L. Johnson. A survey of the macroinvertebrates and brown trout feeding habits within the Little Red River. American Fisheries Society, Arkansas Chapter, February 6, 2001.

Staley, R. and R.L. Johnson. Identification of Florida largemouth bass alleles in hatcheries and reservoirs in Arkansas. 2001 Arkansas Academy of Sciences. April 14, 2001.

Staley, R. and R.L. Johnson. Use of allozyme markers to evaluate largemouth bass populations in private and public ponds in Arkansas. 2001 Arkansas Undergraduate Research Conference. April 20, 2001.

Williams, A. and R.L. Johnson. Genetic characteristics of and phylogenetics of sunfishes

(Centrarchidae: *Lepomis*). 2001 Arkansas Undergraduate Research Conference. April 20, 2001.

Johnson, R.L. R. Mitchell, and G.L. Harp. Genetic structure of an endemic species of darter *Etheostoma moorei* Raney and Suttkus of the upper Little Red River, Arkansas. American Fisheries Society, National Meeting, August 22, 2001

Harmon, T. and R.L. Johnson. A survey of the macroinvertebrates and brown trout feeding habits of the Little Red River, AR. Arkansas Game and Fish Commission: Fish and Wildlife Research Symposium, September 19, 2001.

Mitchell, R.M., G.L. Harp, and R.L. Johnson. Genetic and meristic variations between and within populations of *Etheostoma moorei* (Yellowcheek darter). American Fisheries Society, Arkansas Chapter, February 6, 2000.

Johnson, R.L., R.M. Mitchell, and G.L. Harp. Genetic variation in a bottlenecked endemic species of darter (*Etheostoma moorei*) of the Little Red River, Arkansas. American Fisheries Society, Southern Division, February, 2000.

Johnson, R.L., D. Ward, and R.S. Grippo. Physicochemical characteristics and macroinvertebrate assemblages of riffles upstream and downstream of a streambank impacted by unrestricted cattle access. Arkansas Academy of Sciences, April 8, 2000.

Harmon, T. and R.L. Johnson. A survey of the macroinvertebrates and brown trout feeding habits of the Little Red River, AR. Arkansas Game and Fish Commission: Fish and Wildlife Research Symposium, June 20, 2000.

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