

CURRICULUM VITAE

ROBERT DUNHAM MOORE

EDUCATION

University of Kentucky, Masters of Science in Ecology, Evolution & Conservation Biology, 1993.
University of Kentucky, Bachelors of Science in Biology, 1990.

WORK EXPERIENCE

Administrative Faculty, Web, Database & Communications Manager, University of Nevada Reno, Nevada Agriculture Experimental Station/221, Reno Nevada 89577-0107, March 1, 2007 to Present, Chris Pritsos (775) 784-1610.

Information System Specialist II, Webmaster/Database Manager/Public Relations University of Nevada Reno, Nevada Agriculture Experimental Station/221, Reno Nevada 89577-0107, July 1, 1999 to March 1, 2007, Ron Pardini (775) 784-6237.

Program Assistant III, Web Developer/Database Manager University of Nevada Reno, Nevada Agriculture Experimental Station/221, Reno Nevada 89577-0107, January 20, 1997 to 1999, Ron Pardini (775) 784-6237.

Conservation Biologist, University of Nevada, Department of Ecology, Evolution & Conservation Biology (Lewis Oring), for the Nevada Army National Guard Environmental Program (Loren Brazel, 775-887-7379); (see Research Experience) USPFO for Nevada, 2601 S. Carson St., Carson City Nevada 89701; April 1997 to April 1998, \$800/month, contract work.

Instructor, Truckee Meadows Community College, Dept. of Biology, Dr. John Adlish (775) 673-7183, M-99, 7000 Dandini Blv., Reno, Nevada 89433; January 22, 1996 to 1998, \$500/credit hour, letter of appointment.

Administration Aid, University of Nevada Reno, Nevada Agriculture Experimental Station/221, Reno, Nevada 89557-0107, November 1, 1995 to Present, part time \$10.25/hour, Beatrice Moore (775) 784-6237.

Teaching Aid, Technical Writing University of Nevada Reno, Writing Center/213, Reno, Nevada 89557-0107, November 1, 1995 to Present, part time \$11.50/hour, Mark Waldo (775) 784-6030.

Certified Domestic Ground Fishes Observer, (see Research Experience) Northwest Observers Inc., P.O. Box 217, Sisters OR, September 1994 to November 1994, \$100/day, full time seasonal work, (503) 549-4020.

Certified Domestic Ground Fishes Observer, (see Research Experience) Frank Orth and Associates, 10900 NE St., Bellevue, WA. February 1994 to September 1994, \$100/day, full time seasonal work, (206) 455-9693.

West coast representative for Dr. Mitchell Roffer, Roffer's Oceanographic Fish Forecasting Service, Miami, Florida. October 1993, \$50/day, temporary position, (305) 262-8336.

Teaching Assistant, (see Research Experience) Department of Biological Sciences, University of Kentucky, August 1991 to May 1993. Courses: Ecology (Dr. Andrew Sih, 606-233-5491), Plant Kingdom (Dr. Denny Harris, 606-257-1650), Vertebrate Zoology (Dr. David Westneat, 606-323-9499), \$4,500/semester, graduated with Masters degree.

Principle Research Technician for Dr. Andrew Sih, (see Research Experience) Department of Biological Sciences, University of Kentucky. June 1989 to June 1991, full time, \$9.50/hour, began graduate school, (606) 233-5491.

Research Technician for Dr. David Cain, Department of Transportation Research, University of Kentucky. November 1987 June 1989, transferred to Department of Biology, (606) 257-4514.

Laboratory Technician, for Dr. Jack Schmit, University of Kentucky Medical Center, October 1987 to November 1987, transferred to Transportation Research for full benefits, (606) 323-5216.

Undergraduate work study for Dr. Louis Shain, (see Research Experience) Department of Plant Pathology/Forestry, University of Kentucky. May 1987 to October 1987, work study position, (606) 257-8838.

Pharmacy technician/clerk/stock person for Rite-Aid Drugs (formerly Begleys Drugs), Southland Dr., Lexington, Kentucky. September 1983 to May 1987.

TEACHING & SUPERVISORY EXPERIENCE

1996-1998: Introductory Biology	Letter of Appointment, Truckee Meadows Community College, Reno, Nevada, 89433 Contact: John Adlish
1995-98: Technical Writing	Teaching Aid, Writing Center University of Nevada Reno, 89557 Contact: Mark Waldo
1992-93: Bio 451, Ecology Bio 351, Plant Kingdom	Teaching Assistant, University of Kentucky Lexington, Kentucky 40506 Contact: Andrew Sih
1991-92: Bio 555, Vertebrate Zoology Bio 351, Plant Kingdom	Teaching Assistant, University of Kentucky Lexington, Kentucky 40506 Contact: Andrew Sih
May 1991 - August 1991	Research Education for Undergraduates program, University of Kentucky 40506

Supervised students in researching, designing, organizing, and executing their independent project in stream ecology/toxicology.

RESEARCH EXPERIENCE

April 1997 - April 1998

Working through the UNR, Department of Ecology, Evolution & Conservation Biology (Lewis Oring), for the Nevada Army National Guard Environmental Program (Loren Brazel), I designed line transit and point count sampling procedures for avian diversity surveys, conducted the surveys, analyzed the data, and submittal of a final report. This project required a strong understanding of Sierra's avian populations and floral communities, along with general knowledge of descriptive statistics, GPS, and kayaking. Survey results will be used in

facilitating the conversion of BLM, County, and Military lands into a Biolab for the primary and secondary school systems of Reno, Nevada and surrounding areas.

December 1994 - September 1995

Working with Dr. Elizabeth Gray, we conducted reconnaissance work to launch long term macaque research projects in Southeast Asia and East Africa. My daily activities included: 1) evaluating potential field sites, 2) conducting feasibility studies on data collection, 3) training locals to collect data & conserve their natural heritage, and 4) development & maintenance of cooperative working relationships with government and private agencies, businesses, local landowners and other researchers including: The Nature Conservancy International, The International Society for Primates and the University of Indonesia, Jakarta. Equipment used: 4 x 4 trucks, binoculars, spotingscopes, taxonomic keys, camping gear

April 1994 - November 1994

Certified Domestic Ground Fishes Observer, Bering Sea & Gulf of Alaska, Northwest Observers, Frank Orth & Associates and National Marine Fisheries Service

I was solely responsible for monitoring harvest levels of ground fish and incidental take of prohibited species while aboard commercial fishing vessels. My duties included conducting biodiversity surveys (i.e., fish, mammals, & birds), determining the total amount of target species and bycatch for every haul while aboard the vessel, and recording all data and potentially illegal circumstances in accordance to NMFS protocols. This position required a tolerance of extreme isolation, working independently as well as in small groups, and the capacity to perform my duties while under a wide range of hazardous conditions. Equipment used: IBM compatible computers (ArcInfo - GIS, dBase, Excel, Word), global positioning systems (GPS), marine radios, and general data collection instruments

August 1991 - August 1993

Center for Evolutionary Ecology, Dept. of Biology, University of Kentucky. My Masters thesis investigated the effects of predation on life history strategies of aquatic amphibian larvae. Preparation of my masters thesis project required large amounts of data collection, using both observational (hourly and snapshot focals) and quantitative (developmental staging, and morphometrics) techniques, along with an extensive knowledge of all indigenous freshwater amphibians, invertebrates, and teleost (bony fishes). I then tested observed data against predictions generated by optimization models to determine if life history switch points (i.e., metamorphosis) were adaptive. Equipment used: Environmental Chambers, electroshocker, live traps, mist nets, binoculars, telescopes, 4 x 4 trucks, calipers, scales, pH meters, microscopes, fresh water aquariums, reverse osmosis & deionizer systems, columnar protein skimmers, IBM computers (pcSAS, Excel, Word, Delta & Harvard Graphic) Mainframe computers (SAS, GIS Arc-Info, and UNIX).

February 1990 - November 1992

Part time, Volunteer

Zoology Museum/Biology Dept., University of Kentucky. Working with Dr. James Krupa, I assisted in regional biodiversity surveys of aquatic (using seining, drift netting, & electroshocking techniques) and terrestrial (using drift fences, mist netting, pitfalls, Sherman traps, & multiple styles of lethal trap techniques) fauna throughout the state of Kentucky. These data were used to support an ongoing grass-root effort to protect Robinson Forest, Breathitt Co., Kentucky from strip mining. Equipment used also includes: binoculars, telescopes, 4 x 4 trucks, global positioning systems, and the University's mainframe computer (GPS, GIS/Arc-Info and AutoCad)

RESEARCH EXPERIENCE, CONT.

June 1989 - June 1991

Center for Evolutionary Ecology, Dept. of Biology, University of Kentucky. I worked for predator/prey ecologist Professor Andrew Sih as his principle lab technician. My primary responsibilities were organizing and executing field and laboratory research projects using aquatic systems. This involved experimental design, data entry, statistical analysis, interpretation of results, and technical writing. This position required a strong background in personal computers. Secondary responsibilities were maintaining lab facilities to meet with federal and state standards, providing fundamental care to numerous species of fish (teleost) and amphibians, and operating & upkeep of growth chambers, artificial streams, and fresh & salt water aquaria. Essential techniques acquired were aquatic inventory & survey procedures, perfusion and fixation of tissue samples, amphibian cloning, and video imagery digital analysis. Essential techniques acquired: aquatic inventory & survey procedures, perfusion and fixation of tissue samples, amphibian cloning, and video imagery digital analysis.

November 1987 - June 1989

Dept. of Transportation Research, University of Kentucky. My primary responsibilities were to assist in field surveys on: Kentucky's bridges located in potential earthquake zones, experimental products used in highway drainage systems, integrity of experimental asphalt, and soil stability in highway backfills. Skills necessary were the mechanical inclination to repair equipment & vehicles, proficient in reading geographic & topographic maps, familiarity with surveying equipment, experience with general hand tools, competent with camera & video equipment, and hands-on experience with general wet chemistry instruments. Extensive traveling was required. Essential techniques: mechanical inclination to repair equipment & vehicles, proficient in reading geographic & topographic maps, data entry into University's mainframe (GIS/Arc-Info), familiarity with surveying equipment, experience with general hand tools, competent with camera & video equipment, and hands-on experience with general wet chemistry instruments. Extensive traveling was required.

May 1987 - October 1987

Dept. of Plant Pathology, University of Kentucky. I worked with Professor Louis Shain and Dr. Fred Hubbard on experimental studies that focused on American Chestnut tree disease. I assisted with field, greenhouse, and laboratory research. This included: collecting samples of surviving American Chestnut trees and the various forms of the deadly fungus that plagues this species throughout southern Appalachia, exposed thousands of trees to strains of debilitating fungal specific viruses, performed basic microbiology procedures (e.g., aseptic techniques, agar preps, streaking plates, and picking colonies), and analyzing chestnut tree immune-defenses using gas chromatography.

PROFESSIONAL HONORS & GRANTS

- USPFO Research Grant, Nevada Army National Guard Environmental Program, 1997
- Sigma Xi's Grant-in Aid of Research, The Scientific Research Society, 1992
- NSF/EPSCoR Summer Fellowship, Center for Evolutionary Ecology, University of Kentucky, 1992
- The Robert Kuehne Memorial Scholarship, 1992
- Student Support Research Aid, Graduate School, University of Kentucky, 1991,1992

PROFESSIONAL MEMBERSHIPS

Association for Communication Excellence in Agriculture, Natural Resources, and Life and Human Sciences

- ACE member since 2003
- Regional Representative 2006 to 2018

PUBLICATIONS

D. H. Bliss, R. D. Moore, W. G. Kvasnicka 2008, "Parasite resistance in US cattle" Proceedings of the Forty First Annual Conference American Association of Bovine Practitioners 41:109-114

Walker, M., R. Moore. 2003. A Web Site for Interpreting Drinking Water Quality Analyses. *Journal of Extension*. 41(1)

Moore, R. D. 1998. A Bird survey of the Nevada Army National Guard Stead Training Site, Swan Lake Wetlands, Washoe County, Nevada. (Report in preparation).

Moore, R. D. and A. Sih. 1996. Delayed hatching as a response of streamside salamander eggs to chemical cues from predatory sunfish. *OIKOS* 77: 331-335

Sih, A. and R. D. Moore. 1993. Delayed hatching of salamander eggs in response to enhanced larval predation risk. *American Naturalist* 142 (6): 947-960.

Sih, A., L. Kats, and R. D. Moore. 1992. Effects of predatory sunfish on the density, drift, and refuge use of stream salamander larvae. *Ecology* 73: 1418-1430.

Sih, A. and R. D. Moore. 1990. Interacting effects of predator and prey behavior in determining diets. In *Behavioural Mechanisms of Food Selection* (Roger N. Hughes), NATO ASI Series G: Ecological Sciences, Vol. 20: 771-796, Springer-Verlag, Berlin, Germany.