

CURRICULUM VITAE • DAVID BRADLEY

Biology Department, University of Windsor
Windsor, Ontario, N9B3P4
bradley1@uwindsor.ca

EDUCATION

2006-2008 – M.Sc. candidate, Behavioural Ecology, Biology Department, University of Windsor, Canada (completion in August 2008)

Master's Thesis: The acoustic form and function role of the complex vocal behaviour of a cooperatively breeding tropical songbird

Supervisor: Dr. Daniel Mennill

2001-2004 – B.Sc. Major in Ecology and Environmental Biology, University of British Columbia, Vancouver, Canada

Honours Thesis: Edge-avoidance and habitat use by the Red-breasted Nuthatch

Supervisor: Dr. Jamie Smith

2000-2001 – Faculty of Science, University of Winnipeg, Canada

RESEARCH EXPERIENCE

- Vocalizations and Ecology of Neotropical Wrens, Colombia (Jan 2008)

Collaborator: Sandra Valderrama (sandralval@gmail.com)

Located territories of Niceforo's and Rufous-and-white wrens, mist-netted male birds, collected morphometric data, and made focal recordings of singing pairs.

- Graduate Thesis Research, Costa Rica (May-Aug 2007)

Supervisor: Dr. Daniel Mennill (dmennill@uwindsor.ca)

Designed and implemented field protocols for data collection towards my masters degree thesis project on vocal behaviour of Rufous-naped Wrens. These included locating and monitoring territories, mist-netting and banding, focal sound recordings, and song playback experiments.

- Vocalizations and Ecology of Neotropical Wrens, Costa Rica (March-May 2006)

Supervisor: Dr. Daniel Mennill (dmennill@uwindsor.ca)

Assisted in behavioural study of vocalizations of Rufous-and-White Wrens and independently collected pilot data on Rufous-naped Wrens in Santa Rosa National Park, Costa Rica. Field work included daily focal recordings of breeding birds, nest monitoring and bird banding. Lab work consisted of digitizing and annotating daily audio recordings.

- Database Manager, Canada/Kenya (Jan - March 2006)

Department of Medical Microbiology, University of Manitoba

Supervisor: Keith Fowke (fowkekr@cc.umanitoba.ca)

Established custom database management software to monitor human blood sample movement from field sites in Kenya to an HIV research laboratory at the University of Manitoba. This position involved training staff at the blood collection sites in Kenya and end users in Manitoba to use the software to ensure correct data flow. I also prepared software use protocols for data entry and data extraction.

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- Species at Risk Assessment, Canada (Sept - Dec 2005)

Consulting Biologist, Parks Canada

Supervisor: Joanne Tuckwell (joanne.tuckwell@pc.gc.ca)

Prepared detailed reports on the status of eleven threatened species occurring in Grasslands National Park, Saskatchewan. This position involved data mining and extensive collaboration with park staff and Canadian Wildlife Service biologists to determine threats and population status of species within the park.

- Life History-Physiology Nexus, Panama (March to July 2005)

Research Assistant, Oregon State University

Project Coordinator: Dr. Douglas Robinson (douglas.robinson@oregonstate.edu)

Served as field crew leader on comparative study of the reproductive ecology of tropical birds. Located and monitored multiple species nest sites, video-taped incubation and chick feeding bouts to assess parental care, measured developing chick morphometrics, and incubated eggs in a growth chamber to determine base-line hatching periods. A significant supervisory and time management role was required for this position.

- Behavioural Ecology of Antbirds, Panama (May-Sept. 2003)

Field Assistant, University of British Columbia/Smithsonian Tropical Research Institute

Supervisor: Janeene Touchton (touchton@princeton.edu)

Conducted behavioural observations on foraging army-ant swarm attendants in the humid tropical forests of Barro Colorado Island and adjacent Soberania National Park. Mist-netted birds to apply colour-bands, collect blood samples and measure morphometrics. Located ant-swarms through weekly line-transects and with radio telemetry equipment. Sampled arthropod-prey abundance at ant swarms.

- Demography of Sympatric *Catharus* Thrushes, Chiapas, Mexico (April-May 2003)

Field Assistant, University of British Columbia/ECOSUR

Supervisor: José-Luis Rangel-Salazar (jlrangel@scl.ecosur.mx)

Assisted on research project on demography and habitat selection of tropical resident and neotropical migratory birds. Banded birds, performed censuses across habitat gradients and supported principle researcher with PhD research.

- NestWeb Project, British Columbia, Canada (May 2001-Dec. 2002)

Field Assistant, University of British Columbia

Crew Leader: Kathryn Aitken (kaitken@interchange.ubc.ca)

Supervisor: Kathy Martin (kmartin@interchange.ubc.ca)

Located and monitored breeding sites of hole-nesting birds to determine cavity re-use dynamics. Censused interior dry-forest bird populations to assess habitat-use of different silvicultural treatments. Surveyed vegetation to link responses of avian bird demography to forest health. Colour-banded birds and tracked local scale movement with radio-telemetry equipment. Input and management of large data set in preparation for publication.

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TEACHING EXPERIENCE

- Graduate teaching assistant

Ornithology - *third year undergraduate course focusing on the biology of birds.*

Tropical Ecology - *upper-level undergraduate course in tropical ecology, Peru.*

Organisms and their Environment - *first year non-biology majors introductory course.*

- Graduate assistant supervisor

Undergraduate Research in Avian Ecology - *Honours thesis project.*

PUBLICATIONS

- BRADLEY, D. 2008. Description of the nest and prenal behaviour of the the Bare-crowned Antbird (*Gymnocichla nudiceps*). *Ornitologia Neotropical*; in press.

- BRADLEY, D. 2004. Edge-avoidance and habitat use by the Red-breasted Nuthatch (*Sitta canadensis*). Undergraduate research thesis, University of British Columbia.

- BRADLEY, D AND MENNILL D. J. In preparation. The vocal behaviour of the cooperatively breeding Rufous-naped Wren (*Campylorhynchus rufinucha*). For submission to *Auk* in June 2008.

- BRADLEY, D AND MENNILL D. J. In preparation. Duets and choruses in a group-singing tropical songbird: a functional test using playback. For submission to *Animal Behaviour* in August, 2008.

AWARDS

- 2007, 2008 University of Windsor Tuition Scholarship.

- 2007 Runner-up Prize for Student Poster Presentation, Society of Canadian Ornithologists Annual meeting.

- 2000 University of Winnipeg Undergraduate Entrance Scholarship.

POSTERS AND PRESENTATIONS

- 2007 *Duets and choruses in a group-living tropical bird: The vocal behaviour of Rufous-naped Wrens (Campylorhynchus rufinucha)**. Poster presentation, Society of Canadian Ornithologists Annual meeting.

* My poster presentation received an honourable mention as the most impressive student research presentation at this national conference

- 2004 *Edge-avoidance and habitat use by the Red-breasted Nuthatch (Sitta canadensis)*. Undergraduate thesis presentation, Martin Lab Group, Faculty of Forestry, University of British Columbia.

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REFERENCES

Dr. Daniel J. Mennill (Master's thesis supervisor)

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Dr. Stephanie Doucet (Master's thesis committee member)

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Dr. Douglas Robinson (Research supervisor 2005)

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