

## JENNIFER ANN JOHNSON FEIGHNY

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### EDUCATION

2005 Doctor of Philosophy (Biology Education). University of Northern Colorado (UNC), Greeley  
2000 Master of Arts (Animal Behaviour). University of Northern Colorado (UNC), Greeley  
1997 Bachelor of Science (Zoology). University of North Dakota (UND), Grand Forks  
1993 High School Diploma. Fargo North High School. Fargo, ND

### CURRENT POSITION

Monitoring Program Research Associate, National Park Service in partnership with Colorado State University.

### TEACHING

2005 Part-time Teaching Assistant; General Biology for non-majors. Dept. of Biological Sciences, UNC  
2004 summer International Student Volunteers (ISV) Australia in-field faculty; Conservation, natural history, ecology, general biology of Australia's flora & fauna  
2003 University Lecturer; Biology for non-majors. Dept. of Biological Sciences, UNC  
1998-2005 Graduate Teaching Assistant; General and organismal biology, ecology, mammalogy & animal behaviour laboratories. Dept. of Biological Sciences, UNC  
1996-1997 Biology tutor; University Learning Services, UND

### RESEARCH AND SKILLS

2004 summer *Royal Melbourne Institute of Technology (RMIT) Striped Legless Lizard recovery project ISV faculty staff*; Victoria, Australia: Placement of abundance grids, GPS data, slope, aspect, and soil sampling at each site (private & public) for reconstruction of preferred habitat.  
1998-2005 *Wapiti vocalization research*, Rocky Mountain National Park & Elk ranches, Steamboat Springs, CO: Audio recordings of wapiti vocalizations in national parks and captive ranches. Ear tagging, weight and immunization of newborn captive elk (2000-2003)  
2003 summer *USGS Prairie Dog & Plague study volunteer research assistant*; Dinosaur, CO: Measurements, anesthetizing, ear tagging, and radio-telemetry of prairie dogs; Blood and flea collection of prairie dogs for CDC analysis of plague  
1998-2005 *Graduate Assistant; Animal Facilities*; Dept. of Biological Sciences, UNC: greenhouse and museum organization, prep and care  
1997-1998 *Bottlenose dolphin study volunteer research assistant*; Hilton Head Island, SC: Data collection of dolphin behaviour, boat operation, navigation, and fin identification photography  
1995-1997 *Howard Hughes Undergraduate Research Fellow*; Department of Biology, UND: Physiology, ecology and behaviour of fishes  
1996 *Howard Hughes Undergraduate Research Apprenticeship*, Department of Biology, UND  
1996 summer *Dolphin Field School student*: data collection of Bottlenose dolphin behaviour, boat operation, fin identification photography  
1995 *Independent study*: Hermit crabs and snails in the tidal pools of Mal Pais, Costa Rica  
1994 *Student researcher*: Group work on different habitats of Costa Rican natural history

\*Proficient in many computer applications on both PC & MAC platforms including (not limited to) MS Office, Access, CANARY, RAVEN, EndNote, SAS, HTML ...

## HONORS & AWARDS

### GRADUATE

- \*Doctor of Philosophy, *Summa cum laude*, Department of Biological Sciences, UNC
- \*Graduate Dean's citation for excellent dissertation, Department of Biological Sciences, UNC
- \*Master of Arts, *Summa cum laude*, Department of Biological Sciences, UNC
- \*Graduate Dean's citation for excellence, Department of Biological Sciences, UNC
- \*Graduate Teaching Assistantships, Department of Biological Sciences, UNC
- \*Graduate Research Assistantships, Department of Biological Sciences, UNC
- \*UNC Department of Biological Sciences Graduate Representative, 2 years (elect)
- \*UNC Dean's List, 5 years

### UNDERGRADUATE

- \*Bachelor of Science, *Magna cum laude*
- \*American Cetacean Society, 1996 Bemis DeBus 1<sup>st</sup> place poster award
- \*Howard Hughes Undergraduate Research Fellow, 2 years
- \*Howard Hughes Undergraduate Research Apprentice, 4

## OTHER VOLUNTEER WORK

- \*ISV faculty Earth Sanctuary Waratah Park restoration for native animals, 1 year
- \*Weld County Bike Month events, 3 years
- \*Rocky Mountain National Park Bugle Core guest speaker, 1 year

## GRANTS AND SCHOLARSHIPS

- \*Colorado Graduate Grant, Department of Biological Sciences, UNC. \$ 1,800
- \*Graduate Student Association Research Grants, Graduate Student Association, UNC. \$ 4,500
- \*Winchester Fund, Department of Biological Sciences, UNC. \$ 1,800
- \*Graduate Student Association Travel Grants, Graduate Student Association, UNC. \$ 1,200
- \*Gerald Schmidt Memorial Biology Scholarship, Department of Biological Sciences, UNC. \$ 550
- \*Sponsored Programs and Academic Research Center Grant, UNC \$ 5,000
- \*Howard Hughes Undergraduate Research Apprenticeships, Dept. of Biology, UND \$ 3,333
- \*Howard Hughes Research Fellowships, (1995-1997), Department of Biology, UND. \$22,740

## PUBLICATIONS

- Feighny, J.A.J.** (2005) Wapiti vocalizations: development, environmental and anatomical constraints. Published Doctoral Dissertation. Department of Biological Sciences, University of Northern Colorado, Greeley, CO 80639.
- Feighny, J.A.J** and Clarke, J.A. (2005) Signature form and honest advertisement in wapiti bugles. In preparation for Journal of Mammalogy.
- Feighny, J.A.J.** and Clarke, J.A. (2005) Equal opportunity bugling: can females compare? In preparations for Bioacoustics Note.
- Feighny, J.A.J.** and Clarke, J.A. (2005) Bugle form of bull wapiti in Rocky Mountain National Park: a test of Morton's motivational-structural rules. In preparation for Journal of Mammalogy.
- Feighny, J.A.J.**, Weber, J., Clarke, J.A. (2005) An analysis of the wapiti bugle fundamental frequency. In preparation for Bioacoustics.
- Feighny, J.A.J.**, Weber, J., Clarke, J.A. (2005) Further analysis of signature characteristics in wapiti bugles using voice print technology. In preparation for Bioacoustics.
- Rinker, L., **Feighny, J.A.J.**, Clarke, J.A. (2005) Dual function hypothesis and the acoustic design of male wapiti bugle calls. In preparation for Journal of Mammalogy.
- Heybourne, B., **Feighny, J.A.J.**, Rinker, L., Clarke, J.A. (2005) The evolution of assessment in an introductory biology laboratory. In preparation for Journal of College Biology Teaching.
- Fitch, W.T., Reby, D., Clarke, J.A., **Johnson, J.A.J.** and Nelson, T.L. (2005) Comparative anatomy of the descended larynx in red deer and wapiti. In review for the Journal of Anatomy
- Johnson, J.A.** 2000. Bugles of bull elk in rocky mountain national park: acoustic form and signature characteristics. Published Master's Thesis. Department of Biological Sciences, University of Northern Colorado, Greeley, CO 80639.
- Johnson, J.A.** and Kelsch, S.W. 1996 Effects of annual temperature cycles on the evolution of temperature preference in fishes. Abstract. Proceedings of the North Dakota Academy of Science 51:148.
- Johnson, J.A.** and Kelsch, S.W. 1998. Effects of evolutionary thermal environment on temperature-preference relationships in fishes. Environmental Biology of Fishes 53: 447-458.

## PRESENTATIONS

- Feighny, J.A.J.** and Clarke, J.A. Ontogeny of the wapiti bugle: development of a ritualized display. Animal Behaviour Society Conference. Snowbird, UT. 2005.
- Rinker, L., **Feighny, J.A.J.**, and Clarke, J.A. Aggression and the dual function of male wapiti bugle vocalizations. Animal Behaviour Society Conference. Snowbird, UT. 2005.
- Johnson, J.A.** Wapiti versus red deer, are they the same species? Invited lecturer, RMIT Hamilton campus, Victoria, Australia. 2004
- Johnson, J.A.** and Clarke, J.A. Wapiti bugles: form, signature and honest signaling. American Society of Mammalogists annual meeting, Humbolt State University, Arcata, CA. 2004.
- Rinker, L., **Johnson, J.A.**, and Clarke, J.A. Wapiti bugle complexity: different messages to different genders? American Society of Mammalogists annual meeting, Humbolt State University, Arcata, CA. 2004.
- Johnson, J.A.**, Nelson, T.L., Armstrong, D. and Clarke, J.A. Acoustic analyses of wapiti bugle calls: Signature characteristics, motivation-structural components and geographic variation. American Association for the Advancement of Science meeting, Denver, CO. 2003
- Johnson, J.A.**, Nelson, T. and Clarke, J.A. Rocky Mountain elk: Natural History and Communication. Invited lecturer, Teton Science School, Moose, WY. 2001.
- Johnson, J.A.**, Nelson, T. and Clarke, J.A. Rocky Mountain elk: Natural History and Communication. Invited lecturer, Rocky Mountain National Park, Estes Park, CO. 2001.
- Johnson, J.A.**, Nelson, T. and Clarke, J.A. Rocky Mountain elk: Natural History and Communication. Invited lecturer, Ecology course, Univ. of Northern Colorado, Depart. of Biological Sciences, Greeley, CO. 2001.
- Nelson, T., **Johnson, J.A.** and Clarke, J.A. Do Dialects exist between Rocky Mountain elk populations? Animal Behaviour Society Conference. Oregon State University, Corvallis, OR. 2001.
- Johnson, J.A.** and Clarke, J.A. Evidence for signature characteristics in bugles of elk in Rocky Mountain National Park. Animal Behaviour Society Conference. Morehouse College, Atlanta, GA. 2000.
- Johnson, J.A.** and Clarke, J.A. Bugle calls of Rocky Mountain elk and individual signature characteristics. UNC Research Conference. UNC, Greeley, CO. 2000.
- Johnson, J.A.** and Clarke, J.A. Bugle calls of Rocky Mountain elk and individual signature characteristics. Animal Behaviour Society Conference. Bucknell University, Lewisburg, PA. 1999.
- Johnson, J.A.** and Kelsch, S.W. Effects of temporal thermal environment in the evolution of temperature preference in fishes. American Fisheries Society Dakota/Minnesota Chapter Meeting. Fargo, ND. 1997.
- Johnson, J.A.** and Kelsch, S.W. Effects of thermal environment on temperature-preference in fishes. North Dakota Science, Engineering and Mathematics Undergraduate Poster Session. UND, Grand Forks, ND. 1996.
- Dixon, M., **Johnson, J.A.**, Iammeteo, N., Collentelli, S., and Jones, S. Analysis of sentry behavior in Bottlenose dolphins in the lower Chesapeake Bay. Atlantic Coastal Dolphin Conference. University of North Carolina at Wilmington, Wilmington, SC. 1997.
- Dixon, M., **Johnson, J.A.**, Iammeteo, N., Collentelli, S., and Jones, S. Analysis of sentry behavior in Bottlenose dolphins in the lower Chesapeake Bay. American Cetacean Society Conference, San Pedro, CA. 1996.

## PROFESSIONAL MEMBERSHIPS

Animal Behaviour Society, American Association for the Advancement of Science, American Society of Mammalogists, The Wildlife Society, Colorado Wildlife Society, Predator Conservation Alliance.

## REFERENCES

**Jennifer A. Clarke, Ph.D.**

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