Andrew W. Jones

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Education

Yale University – New Haven, CT — Aug. 2008 – May 2014 (expected)
Ph.D. Candidate, Department of Ecology and Evolutionary Biology
Advisor: Dr. David Post, Committee: Dr. Oswald Schmitz, Dr. Suzane Alonzo, Dr. Gisella Caccone

Cornell University – Ithaca, NY — Aug. 2002 – May 2006
B.S. in Natural Resources (*Distinction in Research*)

Awards

NSF Graduate Research Fellowship Program — June 2010 - Present
Yale Institute for Biospheric Studies Dissertation Improvement Grant — May 2012
Yale Ecology and Evolutionary Biology Chairman's Award — May 2012
Quebec-Labrador Foundation Sounds Conservancy Grant — Aug. 2011
Yale Institute for Biospheric Studies Pilot Grant — May 2010
Yale Ecology and Evolutionary Biology Chairman's Award — May 2010
Cornell College of Agriculture and Life Sciences Senior Research Award — April 2006

Research Interests

Phenotypic variation within and between populations

Ecological mechanisms promoting and maintaining intraspecific variation – Ecological consequences of intraspecific variation – Eco-evolutionary processes

Trophic ecology of aquatic organisms

Empirical estimates of interaction strength – Utilization of stable isotopes as tools to estimate trophic links, trophic position and material flow

Research Experience

Yale University, Ecology and Evolutionary Biology, Dr. David M. Post
Doctoral Research — Sept. 2008 – Present

- Exploring the drivers of phenotypic variation within and among alewife populations
- Assesing the impact of consumer interaction strength on classic patterns of competitive diversification
- Utilizing stable isotopes to ascertain the importance of alewife to piscivore reproductive investments

National Marine Fisheries Service, Salmon Ecology Group, Dr. Sean A. Hayes
Assistant Research Specialist — Dec. 2006 – June 2008

- Quantified pupulation dynamics of Central California Coast steelhead and coho (species of conservation concern)
- Investigated the drivers of the behavioural patterns of juvenile salmonids
- Contributed to a number projects related to the ocean ecology of California's salmonids

Cornell University, Department of Natural Resources, Dr. Lars G. Rudstam
Undergraduate Research Thesis — Aug. 2005 – May 2006

- First description of the dietary habits of a tropical pipefish of conservation concern

James Cook University, Department of Tropical Biology, Dr. Thomas S. Rayner
Undergraduate Research Assitant — Aug. 2004 – Aug. 2005

- Collected fish from a number tropical rivers in northeastern Queensland
- Identified and enumerated benthic invertbrates as well as fish diets

Teaching Experience

Yale University, "Icthyology" Fall 2012
Guest Lecturer, Teaching Fellow

Yale University, "Diversity of Life" Spring 2010
Teaching Fellow

Yale University, "General Ecology" Fall 2009
Teaching Fellow

Yale University, "Principles of Ecology and Evolution" Spring 2009
Teaching Fellow

Mentoring and Community Activities

New Haven Science Fair Mentor Dec. 2009 – Dec. 2011
Project mentor for highschool students

Seymour Marine Discovery Center Sept. 2006 – June 2008
Docent

Professional Activities and Development

American Midland Naturalist
Journal reviewer

Eco-evolutionary dynamics working group 2010-2012
Quebec Centre for Biodiversity Science Eco-Evolutionary Working Group, Montreal, QC

Stickleback Molecular Genetics Course 2009
Stanford University, Palo Alto, CA

Research Cruises

R/V David Starr Jordan – California Current, CA Sept. 2007

Presentations and Posters

Jones AW, Post DM 2012. A comparative appraisal confirms interaction strength limits the diversifying effect of competition in fishes. Annual EEB Graduate Symposium, New Haven, CT.

Jones AW, Post DM 2012. Can consumer effectiveness limit the diversifying effect of intraspecific competition? 1st Joint Congress on Evolutionary Biology, Ottawa, ON.

Jones AW, Post DM 2011. Does consumer interaction strength affect the relationship between intraspecific competition and intraspecific diet variation? Annual EEB Graduate Symposium, New Haven, CT.

Jones AW, Palkovacs EP, Post DM 2010. Rapid & predictable pattern of ecomorphological divergence of alewife life history types (Alosa pseudoharengus). Evolution, Portland, OR.

Jones AW, Collins AL, Bond MH, Hayes SA 2008. Comparison of escapement estimates for Central California Steelhead. Monterey Bay National Marine Sanctuary Currents Symposium, Monterey, CA.

Jones AW, Rudstam LG, Rayner TS 2006. Natural Diet of an Australian Freshwater Pipefish, Cornell University Undergraduate Research Symposium, Ithaca, NY.

Scientific Publications

Jones AW, Post DM *In prep*. A comparative appraisal confirms that interaction strength limits the diversifying effect of intraspecific competition.

Frechette DM, Collins AL, Harvey JT, Hayes SA, Huff D, **Jones AW**, Langford AE, Moore JW, Osterback AK, Retford N, Satterthwaite WH, Shaffer SA. *In press*. A bioenergetics approach to assessing potential impacts of avian predation on juvenile steelhead (*Oncorhyncus mykiss*) during freshwater rearing. *North American Journal of Fisheries Management*.

Jones AW, Palkovacs EP, Post DM *In press*. Recent parallel divergence in body shape and diet between alewife life history forms. *Evolutionary Ecology*. doi: 0.1007/s10682-013-9650-2

Jones AW, Post DM 2013. Consumer interaction strength may limit the diversifying effect of intraspecific competition: a test in alewife (*Alosa pseudoharengus*). *The American Naturalist*. doi: 10.1086/670197

Hayes SA, Bond MH, Hanson CV, **Jones AW**, Ammann AJ, Harding JA, Collins AL, Perez J, MacFarlane RB 2011. Down, Up, Down and "smolting" twice? Seasonal movement patterns by juvenile steelhead in a coastal watershed with a bar closing estuary. *Canadian Journal of Fisheries and Aquatic Sciences*. doi: 10.1139/f2011-062

Hayes SA, Bond MH, Wells B, Hanson CV, **Jones AW,** MacFarlane RB 2011. Using Archival Tags to infer habitat use of Central California Steelhead and Coho Salmon. *Advances in Fish Tagging and Marking Technology*. American Fisheries Society, Auckland, New Zealand.

Jones AW, Dalton CM, Stowe ES, Post DM. 2010. Contribution of declining anadromous fishes to the reproductive investment of a common piscivorous seabird, the Double-Crested Cormorant (*Phalacrocorax auritus*) *The Auk*. doi: 10.1525/auk.2010.09200

Jones AW, Rudstam LG, Rayner TS 2007. Natural Diet of an Australian Freshwater Pipefish. *Nature Precedings*. doi: 10.1038/npre.2007.329.1

References

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