

EDUCATION

Auckland University of Technology (Auckland, NZ) February 2003–present
Research toward PhD in Cephalopod Systematics.

Wellesley College (Wellesley, Massachusetts, USA) September 1997–June 2001
Bachelor's with Honours in Environmental Science and German Studies (double major), June 2001. Concentrations in Zoology, Ecology, Marine Biology, spoken German and German film. Graduate Record Exam (GRE) Scores (October 2001, scale of 800) 800 Analytical, 700 Verbal, 700 Quantitative Reasoning.

PUBLICATIONS

- Laptikhovsky, V.; Arkhipkin, A.; Bolstad, K.S. (in prep.) A second species of the squid genus *Kondakovia* (Cephalopoda: Onychoteuthidae) from the sub-Antarctic, with new insight into the evolutionary history of the family.
- Bolstad, K.S. (under review) Two new species and a review of the squid genus *Onychoteuthis* Lichtenstein, 1818 (Oegopsida: Onychoteuthidae) from the Pacific Ocean.
- Bolstad, K.S. 2008. A global revision of the hooked squids, family Onychoteuthidae. *The Malacologist* 50: 17–18.
- Bolstad, K.S. 2007. Systematics and distribution of the New Zealand onychoteuthid fauna (Cephalopoda: Oegopsida), including a new species, *Notonykia nesisi* sp. nov. *Reviews in Fish Biology and Fisheries* 17: 305–335.
- O'Shea, S.; Jackson, G.D., Bolstad, K.S. 2007. The nomenclatural status, ontogeny and morphology of *Pholidoteuthis massyae* (Pfeffer, 1912) new comb. (Cephalopoda: Pholidoteuthidae). *Reviews in Fish Biology and Fisheries* 17: 325–335.
- Bolstad, K.S. Sexual dimorphism in the beaks of *Moroteuthis ingens* Smith, 1881 (Cephalopoda: Oegopsida: Onychoteuthidae). *New Zealand Journal of Zoology* 33: 317–327.
- O'Shea, S.; Bolstad, K.; Ritchie, P. 2004. First records of *Nototodarus gouldi* McCoy, 1888 (Cephalopoda: Ommastrephidae) egg masses, with comments on egg-mass susceptibility to damage by fisheries trawl. *New Zealand Journal of Zoology* 31: 161–166.
- Bolstad, K.S.; O'Shea, S. 2004. Gut contents of a giant squid *Architeuthis dux* (Cephalopoda: Oegopsida) from New Zealand waters. *New Zealand Journal of Zoology* 31: 15–21.
- Bolstad, K.S. 2003. Colossal Squid: A Reminder of the Vast Unknown. *Times Higher Education Supplement*.
- (Associate Editor) Goldstein, J.S.; Bartko, S.; Cone, D. 1999. *Laboratory Culture Manual for the American Lobster, Homarus americanus*. New England Aquarium publication.
- Bolstad, K.S.; Kensley, B. 1999. Two new species of Asellote Isopod Crustacean from Madang, Papua New Guinea. *Proceedings of the Biological Society of Washington* 112(1): 164–174.

MARINE EXPERIENCE

Kelly Tarlton's Underwater World & Antarctic Encounter (Auckland, NZ) July 2004–present
Aquarist in Fish Department. Hand-feeding and care of all captive fish (including sharks), turtles, and invertebrates; daily SCUBA diving in fish and shark tanks; maintenance of display tanks and areas and quarantine facilities; operation and maintenance of Life Support System (filtration plant); stand-alone coverage of Aquarium.

New England Aquarium (conducted in Akaroa, NZ) January–February 2002
Research Assistant on Hector's Dolphin Behavioural Study. Daily cliff- and boat-based behavioural observations on Hector's Dolphin (*Cephalorhynchus hectori*), recording numbers, frequency of sightings, behaviour, and location using Magellan GPS, theodolite, and palmtop computer instrumentation; videorecording and subsequent data entry and logging of video footage.

New England Aquarium (Boston, Massachusetts, USA) September 1998–May 2001
Aquaculture Assistant in Edgerton Research Lab. North American Lobster (*Homarus americanus*) and jellyfish husbandry and maintenance, including stand-alone coverage; training of new interns and volunteers; upkeep of *Artemia*, rotifer and mysid cultures; animal cataloguing including moult, reproduction, and growth histories; lobster egg aging; graphic design; editing / proofreading.

National Museum of Natural History, Smithsonian Institution (Washington, D.C., USA) January–May 1997
Intern for Dr Brian Kensley. Analysis and identification of collected samples; illustration and description of two new isopod species, *Hansenium tropex* and *H. thomasi* (Isopoda: Asellota).

TEACHING EXPERIENCE

Kelly Tarlton's Underwater World & Antarctic Encounter (Auckland, NZ) March 2005–present
Duty Manager for Educational Sleepovers. Guiding schoolgroups (30–70 students, ages 5–18) through the Aquarium, providing information on penguins, Antarctic explorers, fish and all display animals; nightly stingray feed and informational talk; behind-the-scenes tours; responsibility for public safety and first responder in case of any Aquarium emergency; stand-alone coverage.

Auckland University of Technology (Auckland, NZ) July 2005–December 2006
Lecturer. Teaching undergraduate Ecology 5 and Foundation Biology courses, including all preparation, lectures, field work and marking.
Biology Tutor. Assisting students with study and understanding of undergraduate biology material.
Lab Demonstrator. Demonstrating undergraduate biology laboratories including systematics, anatomy and scientific illustration.

Concordia Language Villages (Bemidji, Minnesota, USA) Summers 1998–2002, academic year 2001–2002
Staff Counsellor, Counsellor, Programme Intern, Lifeguard. Teaching German (all levels) to children ages 7–18 and adults ages 35–75; leadership of the medieval *Märchenwald* theatre programme; leadership of musical and outdoor activities; waterfront lifeguarding; coordination of staff.

AWARDS AND SCHOLARSHIPS

Ernst Mayr Travel Grant in Animal Systematics, from Harvard Museum of Comparative Zoology, Cambridge, USA, May 2007.
Research Grant, from the Malacological Society of London, May 2007.
Lerner-Gray Fund for Marine Research, from the American Museum of Natural History, New York, NY, USA, July 2006.
AUT Centrally Contestable PhD Scholarship, from Auckland University of Technology, December 2005.
SeaFIC Best Student Paper of 2005 (third prize). New Zealand Marine Sciences Symposium, August 2005.
George D. Jackson Grant for Contributions to Southern Ocean Cephalopod Biology, March 2005.
Finch College Alumni Association Foundation Grant, November 2003.
Lerner-Gray Fund for Marine Research, from the American Museum of Natural History, New York, NY, USA, July 2003.

CERTIFICATIONS

PADI Open-Water Diver; DAN Medical Oxygen Provider
Marine Mammal Medic (Project Jonah)
Wilderness First Aid
American Red Cross CPR for the Professional Rescuer; Waterfront Lifeguarding; Community First Aid and Safety
Girl Scout Gold Award

SELECT CONFERENCE CONTRIBUTIONS

22 September, 2006, *New Zealand Marine Sciences Symposium* Rutherford Hotel, Nelson, NZ
Sexual Dimorphism and Mating Behaviour of Moroteuthis ingens Smith, 1881. Presentation of the manuscript 'Sexual dimorphism in the beaks of *Moroteuthis ingens* Smith, 1881 (Cephalopoda: Oegopsida: Onychoteuthidae),' detailing beak morphology, methods for estimating biomass, and hypothetical mating behaviour of *M. ingens*. 19 slides presented over 15 minutes, including questions.

7 February, 2006, *Cephalopod International Advisory Council Symposium* Hobart, Tasmania, Australia
Systematics of the New Zealand Onychoteuthidae Gray, 1849. Presentation of the manuscript 'Review of the systematics, diversity and distribution of the New Zealand onychoteuthid fauna,' detailing morphology and systematics of four known and one new species from local waters. 21 slides presented over 15 minutes, including questions.

24 August, 2005, *New Zealand Marine Sciences Symposium* Victoria University, Wellington, NZ
The 'colossal' squid in Antarctic waters: a redescription of Mesonychoteuthis hamiltoni (Cephalopoda: Cranchiidae). Presentation of the same-titled manuscript, with an overview of the known ecology of *M. hamiltoni*, and detailing the recent morphological redescription of the species. 19 slides presented over 15 minutes, plus questions.

3 September, 2003, *New Zealand Marine Sciences Symposium* Auckland University, Auckland, NZ
The Giant Squid Architeuthis dux — Cannibal or Self-Mutilator? Presentation of the same-titled manuscript, with an overview of the giant squid life cycle, and detailing the recent *Architeuthis* diet findings. 28 slides presented over 15 minutes, plus questions.