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EDUCATION

PhD in Ecology, University of California, Davis. Ph. D. candidate, degree expected June 2009.
Dissertation: “Movement patterns and habitat use of pelagic sharks: Implications for the establishment of marine reserves”. Advisor: Dr. Peter Klimley

MS in Marine Resources Management, Centro Interdisciplinario de Ciencias Marinas (CICIMAR), La Paz, México, December 2003. Thesis: “Spatial-temporal distribution and foraging ecology of whale sharks (*Rhincodon typus*) in the Bay of La Paz and nearby waters in the southwestern Gulf of California”. Advisor: Dr. Felipe Galván-Magaña.

BS in Marine Biology, Universidad Autónoma de Baja California Sur (UABCS), La Paz, México, December 1998. Thesis: “Coral communities of the Revillagigedo Archipelago, México”. Advisor: Dr. Héctor Reyes-Bonilla

RESEARCH EXPERIENCE

Doctoral Research, UC Davis, February 2006-present.

Telemetric studies of pelagic sharks at the Galapagos Islands, which has included tagging, tracking, as well as placement, recovery and download of information from moored sensors, and analyses of data using GIS, remote sensing, and animal movement software. Future work will involve the analyses of inter-island movement of different species of sharks and the design of marine reserves in the Galapagos Islands. Dr. Peter Klimley, Biotelemetry Laboratory, Department of Wildlife, Fish, & Conservation Biology.

Master’s Research, CICIMAR, February 2001-July 2003.

Distribution and abundance studies of whale sharks in the southwestern Gulf of California, which included surveys and censuses of sharks using small spotter planes and boats, size and sex determination of each shark, and measurement of oceanographic variables. Devised plankton sampling techniques to determine the feeding habits of whale sharks. Dr. Felipe Galván-Magaña, Department of Fisheries and Marine Biology.

Bachelor’s Research, UABCS, May 1995-August 1996.

Taxonomic and biogeographical analyses of coral species, including the sampling of corals and the creation of a coral catalog and collection from the Revillagigedo Archipelago. Found a number of new morphs and probable new species of corals at the Revillagigedo Islands, and carried out a description of the distribution and abundance of coral communities at these islands. Dr. Héctor Reyes-Bonilla, Department of Marine Biology.

TEACHING EXPERIENCE

Teaching assistant, Section of Evolution and Ecology, UC Davis, March 2005-present.

BIS-1B, Introductory Biology: Spring and Fall 2005, Spring and Fall 2006, and Winter and Spring 2007 quarters. Responsibilities included laboratory lectures, grading of laboratory assignments, exercises, and quizzes, and assisting students in laboratory routines and supervision of their academic performance. Dr. Susan Keen, Section of Evolution and Ecology.

Instructor, Leave No Trace, Boulder, CO, November 2002.

Developed and implemented a course on outdoor skills and ethical practices for coral and rocky reefs at Isla Contoy, Mexico. Juan Francisco Castellanos, Director, Mexico Program.

Instructor, Seamester Program, Long Island University, Long Island, N.Y., March 2001.

Lectured on marine ecology and the marine fauna of the Gulf of California aboard the *R.C. Californian*. Dr. Tracy Baines, Seamester Program.

Field Assistant Instructor, National Outdoor Leadership School, Lander, WY, April-October 1997.

Lectured on outdoor leadership and travel, natural history, and conservation at Sierra San Pedro Martir and Bahía Concepción, Mexico. Activities included sea kayaking, mountaineering, and rock climbing. Brad Johnston, Instructor Development Program.

RECENT PUBLICATIONS

Ketchum JT, Galván-Magaña F, and Klimley AP (submitted) Distribution and habitat preferences of whale sharks (*Rhincodon typus*) in the southwestern Gulf of California. *Marine Ecology Progress Series*

Richert JE, Jorgensen SJ, **Ketchum JT**, Mohajerani L, and Klimley AP (submitted) The importance of pinnacles and seamounts to pelagic fishes and fisheries off the southern Baja California Peninsula. *Fisheries Management and Ecology*

Hacohen-Domené A, Galván-Magaña F, and **Ketchum JT** (in press) Abundance of whale shark (*Rhincodon typus*) preferred prey in the southern Gulf of California, Mexico. *Cybium*

Ketchum JT (2005) Leave No Trace for Reefs. Outdoor skills and ethics for coral and rocky reefs. *Leave No Trace and National Outdoor Leadership School*, Lander. 32p

Ketchum JT (2004) No Deje Rastro en Arrecifes. Técnicas de conservación práctica para arrecifes coralinos y rocosos. *Leave No Trace and National Outdoor Leadership School*, Lander. 32p

Ramírez D, **Ketchum JT** (2004) Conservación y hábitat crítico del tiburón ballena (*Rhincodon typus*) y otras especies marinas en la zona costera de El Mogote-Punta Prieta, B.C.S. *Revista Análisis* 2004

Ketchum JT, Reyes Bonilla H (2001) Taxonomía y distribución de los corales hermatípicos (Scleractinia) del Archipiélago de Revillagigedo, Pacífico de México. *Revista Biología Tropical* 49:803-848

Carmona R, Reyes Bonilla H, **Ketchum JT** (2001) Nuevos registros de aves marinas en las Islas Revillagigedo. *Ciencia y Mar* 5:29-32

Ketchum JT (2000) Comunidades arrecifales del Archipiélago de Revillagigedo: Estado actual y conservación. *Jornada Ecológica* (www.jornada.unam.mx/2000/sep00/000925)

FELLOWSHIPS AND GRANTS

- UCMEXUS-CONACYT Fellowship to study a PhD program at UC Davis, 2004-2009
- CONACYT National Fellowship to study M.Sc. program at CICIMAR, 2001-2002
- Instituto Politécnico Nacional Fellowship to elaborate M.Sc. thesis, 2003
- Project Aware Foundation-PADI Grant for fieldwork and research, 2001

HONORS

- Recipient, Outstanding Dissertation, Centro Interdisciplinario de Ciencias Marinas, La Paz, Mexico, December 2003.

OTHER LANGUAGES

- Spanish: Native speaker
- English: Fluent
- French: Reading comprehension