Contents

F. R. Elorriaga-Verplancken, H. Rosales-Nanduca, and R. Robles-Hernández: Unprecedented Records of Guadalupe Fur Seals in La Paz Bay, Southern Gulf of California, Mexico, as a Possible Result of Warming Conditions in the Northeastern Pacific ................................................................. 261

F. R. Elorriaga-Verplancken, A. Juárez-Ruiz, M. A. Baleytó, F. Galván-Magaña, and S. Aguíñiga-García: Isotopic Variation Between Adult Female Guadalupe Fur Seals and Their Offspring: Implications for the Use of Neonates as Proxies for Maternal Foraging .......................................................... 268

H. M. Hill, C. I. Alvarez, S. Dietrich, and K. Lacy: Preliminary Findings in Beluga (Delphinapterus leucas) Tactile Interactions ................................................................. 277


M. C. Marchesi, L. E. Pinper, M. S. Mora, and R. N. P. Goodall: The Vertebral Column of the Hourglass Dolphin (Lagenorhynchus cruciger, Quoy and Gaimard, 1824), with Notes on Its Functional Properties in Relation to Its Habitat .................................................. 306

M. H. Rasmussen, A. C. G. Atem, and L. A. Miller: Behavioral Responses by Icelandic White-Beaked Dolphins (Lagenorhynchus albirostris) to Playback Sounds ................................................................. 317

L. Guizada, and E. Aliaga-Rossel: Abundance of the Bolivian River Dolphin (Inia boliviensis) in Mamore River, Upper Madeira Basin .................................................. 330


O. A. Filatova, I. D. Fedutin, O. V. Titova, B. S. Sivov, A. M. Burdin, and E. Hoyt: White Killer Whales (Orcinus Orca) in the Western North Pacific .................................................. 350


Y. Long and L. Liu: First Record of the Short-Finned Pilot Whale (Globicephala macrocephalus) in the Chinese Beibu Gulf .................................................. 372


Aquatic Mammals

Aquatic Mammals publishes hard copies on-demand, CDs, and online peer-reviewed scientific articles related to marine mammals (whales, dolphins, seals, fur seals, sea lions, walruses, dugongs, manatees, sea otters, and polar bears). Topics of publication on both captive animals and wild marine mammals include aspects of husbandry; behavior; conservation; veterinary medicine; anatomy; physiology; training; population trends; and the effects of pollution, climate change, and noise. In addition, Aquatic Mammals has the Historical Perspectives feature, which includes essays and high definition DVDs of interviews with prominent marine mammal scientists. The journal also publishes Book Reviews.

Supported through Joint Sponsorship by the European Association for Aquatic Mammals, the Alliance of Marine Mammal Parks and Aquariums, and the International Marine Animal Trainers’ Association

Founded by EAAM in 1974
Aquatic Mammals

Established by the EAAM in 1974

The European Association for Aquatic Mammals (EAAM), the Alliance of Marine Mammal Parks and Aquariums (AMMPA), and the International Marine Animal Trainers’ Association (IMATA) jointly sponsor Aquatic Mammals (ISSN 0167-5427), published four times per year.

Managing Editor and Copyright
Kathleen M. Dudzinski, Ph.D.
Mailing Address: PO Box 7485, Port St. Lucie, Florida 34985, USA
E-mail: aquaticmammals@gmail.com or business@aquaticmammalsjournal.org, Tel: +1 (860) 514-4704

Co-Editors
Shane B. Kanatous, Ph.D., Department of Biology, Colorado State University
E-mail: Shane.Kanatous@ColoState.edu
David A. S. Rosen, Ph.D., Marine Mammal Research Unit, University of British Columbia
E-mail: rosen@zoology.ubc.ca
Elizabeth Henderson, Ph.D., Navy Marine Mammal Program, SPAWAR, San Diego, California
E-mail: eehenders@gmail.com
Alyson H. Fleming, Ph.D., Smithsonian National Museum of Natural History, Washington, DC
E-mail: alyson.fleming@gmail.com
Kristy L. Biolsi, Ph.D., Department of Psychology, St. Francis College, Brooklyn, New York
E-mail: kbiolsi@sfc.edu

Book Review Editor
MaryEllen Mateleska, Mystic Aquarium
E-mail: mmateleska@searesearch.org

Editors Emeriti
Willem H. Dudok van Heel, Victor J. A. Manton, Paul E. Nachtigall, Jeanette A. Thomas

Editorial Board
Arne Bjerge, Institute of Marine Research, Gausdalåien 21, 0349 Oslo, Norway
Manuel E. dos Santos, MARE, ISPA – Instituto Universitário, Lisboa, Portugal
Manuel García Hartmann, Marimelod Antíbes, France
Heidi Harley, Division of Social Sciences, New College of Florida, Sarasota, Florida, USA
A. Rus Hoelzel, School of Biological and Biomedical Sciences, University of Durham, Durham, UK
Christina Locker, Age Dynamics, Kongens Lyngby, Denmark
Lee A. Miller, Institute of Biology, University of Southern Denmark, Odense, Denmark
Paul E. Nachtigall, Hawaii Institute of Marine Biology, Kailua, Hawaii, USA
Giuseppe Notarbartolo di Sciarra, Tethys Research Institute, Milano, Italy
Dan Odell, Hubbs-Sea World Research Institute, Orlando, Florida, USA
Grey Stafford, Wildlife World Zoo, Litchfield Park, Arizona, USA

Copy Editing and Layout Design Services
Sandia L. Larimer and Shancee J. Sullivan, Macomb, Illinois 61455, USA

Cover Photo
A bottlenose dolphin (Tursiops truncatus) positioned on a biteplate while auditory brainstem responses (ABR) are recorded. A sound projector embedded in a suction cup is attached to the lower right jaw and used to present click stimuli, while the ABR is recorded using three surface electrodes embedded in suction cups placed on the head and back. Yellow traces show the ABR waveforms resulting from high-level stimuli (top) decreasing to low-level stimuli (bottom).

Photo courtesy of U.S. Navy

Aquatic Mammals

Board of the European Association for Aquatic Mammals (EAAM)

www.eaam.org

President: Brad Andrews, Sea World Parks & Entertainment, president@eaam.org
President-Elect: Javier Almunia, Loro Parque Fundación, president_elect@eaam.org
Past President: Arlete Sogorb, Lisbon Zoo, past_president@eaam.org
Secretary/Treasurer: Camino Herreros Paris, Mundomar, camino.eaam@mundomar.es
Information Committee: Ann-Louise Jensen and Javier Almunia, information@eaam.org

Alliance of Marine Mammal Parks and Aquariums (AMMPA)

www.ammpa.org

Executive Director: Kathleen Derzio
E-mail: executivedirector@ammpa.org

Board of Directors
President: Rita Irwin, Dolphin Research Center, Rita@dolphins.org
Past President: Kevin Willis, Minnesota Zoo, kevin.willis@state.mn.us
Vice President: Stewart Clark, Discovery Cove, Stewart.Clark@DiscoveryCove.com
Treasurer: Bill Hughes, SeaWorld Orlando, bill.hughes@seaworld.com
Secretary: Travis Burke, Dolphin Discovery, tburke@dolphindiscovery.com
Director-at-Large: Patrick Berry, Gulfarium, patrick.berry@gulfarium.com

International Marine Animal Trainers’ Association (IMATA)

www.imata.org

Board of Directors
President: Michele Sousa, Aquarium of the Pacific, president@imata.org
President-Elect: Grey Stafford, Wildlife World Zoo and Aquarium, president_elect@imata.org
Past President: Linda Ehr, Dolphin Research Center, pastpresident@imata.org
Secretary: Amanda Barra, secretary@imata.org
Past Secretary: Alex Mata, Dolphin Discovery, pastsecretary@imata.org
Treasurer: Rita Stacey, Brookfield Zoo, treasurer@imata.org
Past Treasurer: Robert Roozenaald, pasttreasurer@imata.org
First Vice President: Jennifer Fletcher, SeaWorld San Diego, firstvp@imata.org
Second Vice President: Suzanne Smith, Audubon Aquarium of the Americas, secondvp@imata.org
Third Vice President: Will Elgar, Georgia Aquarium, thirdvp@imata.org
Director-at-Large: Bill Zeigler, Chicago Zoological Society, bill.zeigler@czs.org

For subscriptions, instructions to authors, abstracts of previous issues, publication fees, hard copies, back issues, CD’s, and Historical Perspectives DVDs, see the Aquatic Mammals website:

www.aquaticmammalsjournal.org

For details about the online versions of Aquatic Mammals, see the following websites:

Aquatic Mammals: www.aquaticmammalsjournal.org

ProQuest: www.proquest.com (specific to library subscribers)

Printed by Minuteman Press, 595 West Main Street, Norwich, CT 06360, USA