



Kathleen M. Dudzinski, Ph.D.  
Scientist & Educator  
Curriculum Vita

*Mailing address:*

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*Current Affiliations:*

Director, Dolphin Communication Project (2000 – present)

Senior Marine Scientist, Geo-Marine, Inc. (2008 – present)

Co-Editor, *Journal of Aquatic Mammals* (journal sponsored by the European Association for Mammals) (2005 – present)

Book Review Editor, *Journal of Aquatic Mammals* (1999-2005)

*University Affiliations:*

Adjunct Faculty, Psychology, University of Southern Mississippi

Adjunct Faculty, Animal Science, University of Rhode Island

Adjunct Faculty, Environmental Science, Alaska Pacific University

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[www.dolphincommunicationproject.org](http://www.dolphincommunicationproject.org) or [thedolphinpod.com](http://thedolphinpod.com) or [kathleendudzinski.com](http://kathleendudzinski.com)

Education

B.S. Biological Sciences, University of Connecticut, Storrs, 1989

Ph.D. Wildlife & Fisheries Sciences, Texas A&M University, College Station, 1996

Dissertation Topic: Communication in Atlantic spotted dolphins (*Stenella frontalis*):  
Relationships between vocal and behavioral activities

Post Doc. Faculty of Bioresources, Mie University, Mie, Japan, 1997-1999, 2000

Employment

1986-1987 Mathematics Teaching Assistant, University of Connecticut, Storrs, CT

1986-1989 Biochemistry & Physiology Laboratory Assistant, University of Connecticut, Storrs, CT

1989 Shipboard Naturalist, Mystic Clipper Cruises, Mystic, CT

1989-1990 Research Technician I, School of Medicine, Yale University, New Haven, CT

1990-1995 National Science Foundation Fellow, Texas A&M University, College Station, TX

1991 Shipboard Naturalist (for spotted dolphin cruises), Oceanic Society Expeditions, aboard the *Jennifer Marie*, Bahamas

1992 Naturalist, Oceanic Society Expeditions, Blackbird Caye, Belize

1992 Shipboard Naturalist (for spotted dolphin cruises), Oceanic Society Expeditions, aboard the *Jennifer Marie*, Bahamas

1992 Teaching Assistant, Developmental Biology of Marine Animals, Texas A&M University at Galveston, Galveston, TX

1993 Shipboard Naturalist (for spotted dolphin cruises), Oceanic Society Expeditions, aboard the *Jennifer Marie*, Bahamas

1994 Shipboard Naturalist (for spotted dolphin cruises), Oceanic Society Expeditions, aboard the *Calypso Poet*, Bahamas

1995 Shipboard Naturalist (for spotted dolphin cruises), Oceanic Society Expeditions, aboard the *Calypso Poet*, Bahamas

1996 Teaching Assistant, Natural History of Vertebrates, Texas A&M University at Galveston, Galveston, TX

1997-2000 Consultant, on Dolphins Documentary, MacGillivray Freeman Films, Laguna Beach, CA

1997-1999 Post Doctoral Fellow, Japan Society for the Promotion of Science, Japan (Faculty of Bioresources, Mie University. Host: M. Yoshioka)

1999 – 2006 Book Review Editor, *Journal of Aquatic Mammals*, journal sponsored by the European Association for Aquatic Mammals & the European Cetacean Society.

2000 Short-term Fellow (summer), Japan Society for the Promotion of Science, Japan (Faculty of Bioresources, Mie University. Host: M. Yoshioka)

- 2000 Lecturer for an Educational Speaker Series co sponsored by MacGillivray Freeman Films and the National Science Foundation.
- 2000 – present Director/Founder, Dolphin Communication Project, Oxnard, CA (2000-2003); Mystic, CT (2003-present)
- 2003 – 2007 Education Scientist-in-Residence, Mystic Aquarium & Institute for Exploration, Mystic, CT
- 2004 – 2007 Director, Development, Mystic Aquarium & Institute for Exploration, Mystic, CT
- 2005 – present CO- Editor, Journal of Aquatic Mammals, journal sponsored by the European Association for Aquatic Mammals & the European Cetacean Society
- 2008 – present Senior Marine Scientist, Geo-Marine, Inc.

#### Skills & Training

- 1997 – present Tutored in conversational Japanese while living on Miyake Island, Japan, during post-doctoral position. Returns to Japan annually and remains conversationally fluent in Japanese.
- 2004 – 2007 Overhauled Development Department for Sea Research Foundation, Inc. Created tracking and recognition system, organized records, launched new fund-raising initiatives. Saw 300% increase between 2004 and 2005 with steady, significant increases realized each following year.
- 2004 - 2007 As Director of Development, participated on Sea Research Foundation, Inc. Management Team with direct, regular training at the management level. Participated in workshops & training classes annually.

#### Research Interests

Use of marine mammal studies for educating the public about animal behavior and communication, conservation issues and science in general.

Communication and behavior of cetaceans and their inter- and intraspecific interactions.

Social behavior of vertebrates in relation to environmental, intra/interspecific pressures.

Natural history, ecology, and distribution patterns of marine mammals.

#### Research-Related Experience

- Summer '87 Field research on behavior and distribution of marine mammals in the Gulf of Maine. Funded by Atlantic Cetacean Research Center, Gloucester, MA
- Sept. '87- July '90 Laboratory research on techniques for clearing, staining, injecting small mammals. Development of modified technique for improved clearing results. Funded by Research Foundation Grant to N.A. Neff and Sigma Xi Grant to K.M. Dudzinski. University of Connecticut, Storrs, CT
- Summer '88 Underwater research on oyster-bed populations and experimental manipulation and deployment of test plots. NOAA certified diver. Funded by National Undersea Research Program, Groton, CT
- Summer '88 Laboratory research on benthic polychaetes. Funded by University of Connecticut at Avery Point, Groton, CT
- Summer '91 Field research on Atlantic spotted dolphins. Assisted with testing of prototype acoustics/video recording array (Tyack, Woods Hole Oceanographic Institute). Funded by Marine Mammal Research Program and National Science Foundation Fellowship travel fund. Bahamas
- Summer '91 Field research on captive "swim-with-the-dolphins" programs. Travel funded by National Science Foundation Fellowship travel fund. Dolphin Research Center, Grassy Key, Florida
- Fall '91 Preliminary feasibility study for research on communication in Pantropical (*Stenella attenuata*) and Bottlenose (*Tursiops truncatus*) dolphins. Funded by NSF. Belize
- Fall '91 - Winter '92 Research on behavior, movement patterns, and site fidelity of bottlenose dolphins, by use of theodolite tracking and photographic identification. Funded by the Marine Mammal Research Program. Texas
- March - April '92 Field research on dolphin identification, distribution and behavior. Use of underwater video and acoustics equipment. Set-up new field camp and establish mainland contacts. Funded by private donations, Cetacean Society International, National Science Foundation and Oceanic Society Expeditions. Blackbird Caye, Turneffe Atoll, Belize, Central America
- April - Research assistant on Gulfcet cruise to survey the marine mammals in the

- May '92 Gulf of Mexico. Assisted with towed hydrophone array - deployment, retrieval and monitoring. Assisted with hydrographic data collection - CTD, XBT, Secchi disk deployment, retrieval and filtering apparatus. Assisted with visual observations for marine mammals - use of 25x mounted binoculars, video and still photography. Funded by Minerals Management Service. Galveston, TX
- July '92 Field Research on distribution, behavior and identification of bottlenose dolphins around Turneffe Atoll, Belize. Establish research center, work with volunteers from Oceanic Society Expeditions. Funded by Oceanic Society Expeditions, NSF and MMRP. Belize
- Aug. - Sept. '92 Research on Atlantic Spotted Dolphins - collect data on social behavior, sighting associations and frequency, individual identification for dissertation. Use of underwater video and acoustic equipment. Funded by OSE, MMRP. Bahamas
- March '93 Research Consultant for Dolphin Research in Turneffe Atoll, Belize - Assist in establishing new researcher at base camp, prepare data forms, calibrate and prepare equipment. Funded by OSE
- May - Sept. '93 Research on Atlantic Spotted Dolphins - collect data on social behavior, sighting associations and frequency, individual identification for dissertation. Use of underwater video and acoustic equipment. Funded by OSE, MMRP, NGS, CSI. Bahamas
- Dec. '93 Research assistant on Gulfcet cruise to survey the marine mammals in the Gulf of Mexico. Assisted with towed hydrophone array - deployment, retrieval and monitoring. Assisted with hydrographic data collection - CTD, XBT, Secchi disk deployment, retrieval and filtering apparatus. Assisted with visual observations for marine mammals - use of 25x mounted binoculars, video and still photography. Funded by Minerals Management Service. Galveston, TX
- May - Sept. '94 Research on Atlantic Spotted Dolphins - collect data on social behavior, sighting associations and frequency, individual identification for dissertation. Use of underwater video and acoustic equipment. Funded by OSE, MMRP, NGS, CSI. Bahamas
- Oct. '94 Research on eight captive bottlenose dolphins - collect data on social behavior, sounds produced. Use stationary and mobile video acoustic systems to simultaneously record dolphin vocalizations and behavior; to provide accuracy data for the MVA system. Use of underwater video and acoustic equipment. Co-sponsored by Kolmårdens Djurpark, Kolmården, Sweden
- Dec. '94 Research on Atlantic Spotted Dolphins - collect data on social behavior, sighting associations and frequency, individual identification for dissertation. Use of underwater video and acoustic equipment. Funded by OSE, MMRP, NGS, Lerner-Gray Fund. Bahamas
- April - May '95 Research on Bottlenose Dolphins in the Sea of Japan - assist with establishment of ICERC Japan research project on a group of bottlenose dolphins that swim with people off Mikurajima (south of Tokyo). Funded by WWF Japan and ICERC Japan. Mikurajima & Tokyo, Japan
- May - Sept. '95 Research on Atlantic Spotted Dolphins - collect data on social behavior, sighting associations and frequency, individual identification for dissertation. Use of underwater video and acoustic equipment. Funded by OSE, MMRP, NGS, AMNH. Bahamas
- August '96 Research on Humpback Whales - collect video data on humpback whales foraging/feeding behavior, sighting associations, photo-identification. Funded in by HWRF, TBS. Southeast Alaska
- June '96 - Sept '00 Project Coordinator, Bahamas Project Dolphin, Oceanic Society Expeditions  
Oversee and advise students, assistants and researchers leading ecotour trips to swim with and observe spotted dolphins. Advise OSE director and personnel on Project Direction.
- Sept. 1997 - Aug. '99 Research on Bottlenose Dolphins in the Pacific Ocean - collect data on social behavior, associations, individual identification, and signal exchange. Collect data to compare with findings on spotted dolphins in the Bahamas. For a post doctoral fellowship under JSPS, Japan. Use of underwater video and acoustic equipment. Funded by JSPS, Japan.
- Sept. 1997 - Managing Director - Tatsuo Tanaka Memorial Biological Station, Miyake-

- Aug. '97 jima, Japan. Assist with operations of laboratory station.
- Dec. '98 - Co-Principle Investigator (with Bernd Würsig, Alejandro Acevedo,  
- Jan. '99 Michelle Wainstein on "Preliminary Study on the Benefits and Mechanisms of Dusky Dolphin Foraging Behavior". Funded by MacGillivray Freeman Films.
- Dec. '99 Founder/Director - Dolphin Communication Project. Oxnard, CA USA
- June - Research on Bottlenose Dolphins around Mikura Island, Japan - collect data  
July '00 on social behavior, associations, individual identification, and signal exchange. Funded by JSPS, Japan. Hosted by Mie University, Japan.
- Aug. - Research on Atlantic Spotted Dolphins - collect data on social behavior,  
Sept. '00 signal exchange and communication. Funds provided by OSE, DCP.
- May - Research on Bottlenose Dolphins around Mikura Island, Japan - collect data  
June '01 on social behavior, associations, individual identification, and signal exchange. Funded by DCP & Deramus Foundation.
- May - Oversaw research program on Atlantic spotted dolphins around Bimini Island,  
Sept. '01 The Bahamas. Xenia Brobeil, Field Intern for DCP. Collaboration with Bimini Undersea. Supported by DCP & CASIO Japan Eco-research Fund.
- Aug. 2001 Research on Atlantic Spotted Dolphins - collect data on social behavior, signal  
exchange and communication. Funds provided by DCP.
- May - Research on Bottlenose Dolphins around Mikura Island, Japan - collect data  
June '02 on social behavior, associations, individual identification, and signal exchange. Funded by DCP & Deramus Foundation.
- May - Oversaw research program on Atlantic spotted dolphins around Bimini Island,  
Sept. '02 The Bahamas. TJ & Susan McCue, Field Interns for DCP. Collaboration with Bimini Undersea. Supported by DCP & CASIO Japan Eco-research Fund.
- Aug. '02 Research on Atlantic Spotted Dolphins - collect data on social behavior, signal  
exchange and communication. Funds provided by DCP.
- May - Research on Bottlenose Dolphins around Mikura Island, Japan - collect data  
July '03 on social behavior, associations, individual identification, and signal exchange. Funded by DCP & Deramus Foundation.
- June - Oversaw research program on Atlantic spotted dolphins around Bimini Island,  
Aug. '03 The Bahamas. Kathy DeStefano & Kelly Melillo, Field Interns for DCP. Collaboration with Bimini Undersea. Supported by DCP & CASIO Japan Eco-research Fund.
- Sept - Research on Bottlenose Dolphins at the Roatan Institute for Marine Sciences,  
Oct. '03 Anthony's Key Resort, Roatan, Honduras. Collect data on dolphin social behavior and communication for study comparing the behavior of dolphins in the wild with those in human care. Supported by Anthony's Key Resort & DCP.
- May - Research on Bottlenose Dolphins around Mikura Island, Japan - collect data  
July '04 on social behavior, associations, individual identification, and signal exchange. Funded by DCP, Mystic Aquarium & Institute for Exploration.
- Sept - Research on Bottlenose Dolphins at the Roatan Institute for Marine Sciences,  
Oct '04 Anthony's Key Resort, Roatan, Honduras. Collect data on dolphin social communication for comparison to the behavior of wild dolphins with those in human care. Supported by Anthony's Key Resort & DCP, MAIFE.
- May '05 Establish Doctoral Student to assume research duties on Bottlenose Dolphins  
around Mikura Island, Japan – to collect data on social behavior, individual identification, signal exchange and echolocation. Funded by DCP, Mystic Aquarium & Institute for Exploration.
- Sept '05 Research on Bottlenose Dolphins at the Roatan Institute for Marine Sciences,  
Anthony's Key Resort, Roatan, Honduras. Collect data on dolphin social behavior and communication for study comparing the behavior of dolphins in the wild with those in human care Expand program this season to include data collection with MOSART and PecPac tags (from C. Blomqvist). Supported by Anthony's Key Resort & DCP.
- Summer '06 Oversaw Research Programs and student programs at Mikure Island and Bimini  
Island.
- May '06 Research on Bottlenose Dolphins at Dolphin Encounters, Nassau, The Bahamas.  
Begin data collection on dolphin social behavior and communication. Program

- includes data collection with MOSART and PecPac tags (from C. Blomqvist). Supported Dolphin Encounters & DCP.
- Sept '06 Research on Bottlenose Dolphins at the Roatan Institute for Marine Sciences, Anthony's Key Resort, Roatan, Honduras. Collect data on dolphin social behavior and communication. Program includes data collection with MOSART and PecPac tags (from C. Blomqvist). Supported by Anthony's Key Resort & DCP.
- Jan '07 Research on Bottlenose Dolphins at Dolphin Encounters, Nassau, The Bahamas. Continue data collection on dolphin social behavior and communication. Program includes data collection with MOSART and PecPac tags (from C. Blomqvist). Additional collaboration with Mats Amundin, Sofia Dahl, Josefin Starkhammer with the ELVIS system for data collection on dolphin crater feeding. Supported Dolphin Encounters & DCP.
- Summer '07 Oversaw Research Programs and student programs at Mikure Island and Bimini Island. Visit Mikura Island in late June with an educational program from Pine Point School. Participate in field research as advisor to Justin Gregg.
- Aug '07 Research on Bottlenose Dolphins at Dolphin Encounters, Nassau, The Bahamas. Continue data collection on dolphin social behavior and communication. Supported Dolphin Encounters & DCP.
- Sept '07 Research on Bottlenose Dolphins at the Roatan Institute for Marine Sciences, Anthony's Key Resort, Roatan, Honduras. Collect data on dolphin social behavior and communication. Program includes data collection with MOSART and PecPac tags (from C. Blomqvist). Supported by Anthony's Key Resort & DCP.
- Jan '08 Research on Bottlenose Dolphins at Dolphin Encounters, Nassau, The Bahamas. Continue data collection on dolphin social behavior and communication. Supported Dolphin Encounters & DCP.
- March '08 Chief Scientist for Deployment of Passive Acoustic Monitoring devices (Pop-Ups) for Geo-Marine's NJDEP Project. Deploy 5 Pop-Ups in cross configuration array for 3-month continuous monitoring to detect marine mammals.
- June '08 Chief Scientist for Recover/Refurbishment/Deployment of Passive Acoustic Monitoring devices (Pop-Ups) for Geo-Marine's NJDEP Project. Recovered, refurbished and re-deployed 4 Pop-Ups in diamond configuration array for 3-month continuous monitoring to detect marine mammals.
- Summer '08 Oversaw Research and student programs at Bimini Island. Feld research led by Kelly Melillo, DCP Research Associate.
- July '08 Chief Scientist for Boat Surveys for Geo-Marine's NJDEP Project. Oversaw line transect surveys for marine mammals and birds along the NJ coastline for a 4 day cruise.
- August '08 Research on Bottlenose Dolphins at the Roatan Institute for Marine Sciences, Anthony's Key Resort, Roatan, Honduras. Collect data on dolphin social behavior and communication. Program included nine teens as part of DCP DRT travel program. Supported by Anthony's Key Resort & DCP.

#### Awards, Grants, Contracts

- 1985-1989 Honor's Scholar, University of Connecticut, Storrs, CT.
- 1985-1989 Undergraduate education (4 years), Reeves Foundation Scholarship, Meriden, CT, \$6,000.
- 1987 Phi Beta Kappa nomination and induction, The University of Connecticut, Storrs, CT.
- 1987 Phi Kappa Phi nomination and induction, The University of Connecticut, Storrs, CT.
- 1987 University Scholar (only 20 students selected on basis of GPA, rigor & imagination of program), The University of Connecticut, Storrs, CT.
- 1988 Grant for research on clearing, staining, injecting small mammals, Sigma Xi Society, \$300.
- 1989 Graduation Monetary Award, Honor's Program, University of Connecticut, \$100.
- 1990-1994 National Science Foundation 3-year Predoctoral Fellowship (pays salary, tuition, travel) for doctoral degree studies. NSF, Washington, D.C., \$13,000+ per year
- 1992-1994 National Geographic Society, grant for scientific research on the Atlantic Spotted Dolphins awarded to Bernd Würsig and Kathleen Dudzinski: \$14,600.00 for research related expenses.

- 1992-1993 International Travel Award, National Science Foundation: \$1000.00 for travel.
- 1992 Lerner Gray Foundation of the Museum of Natural History, small grant: \$500.00 for research equipment.
- 1992 International Women's Fishing Association, small scholarship award: \$500.00 for tuition and fees.
- 1992 Cetacean Society International, small grant award: \$500.00 for preliminary study on dolphin distribution in March/April 1992.
- 1993 Cetacean Society International, small grant: \$500.00 for study of dolphin communication and behavior in the Bahamas, May - Sept 1993.
- 1993 Scholarship for work in Marine Sciences, Sea Space Association: \$500.00 for tuition and school fees.
- 1993 Fairfield Memorial Award for Innovative Marine Mammal Research, Society for Marine Mammalogy: \$535.00 monetary award.
- 1994 Lerner Gray Foundation of the Museum of Natural History, small grant: \$765.00 for research equipment.
- 1994 Scholarship for work in Marine Sciences, SeaSpace Association: \$2000.00 for tuition and school fees.
- 1995 Lerner Gray Foundation of the Museum of Natural History, small grant: \$490.00 for research supplies.
- 1995 Scholarship for work in Marine Sciences, SeaSpace Association: \$2000.00 for tuition and school fees.
- 1997 Post Doctoral Fellowship Award, Japan Society for the Promotion of Science: Stipend (~\$2,500.00US/month), lodging & research-related expenses provided.
- 1997 International Travel Award, National Science Foundation: \$3000.00 for travel to conferences during post doctoral fellowship through JSPS. 1997 Kaken-hi (Monbusyo Grant-In-Aid) for JSPS Fellows: ~\$10,000 (1,200,000 yen) for research-related and travel expenses during the tenure of my post doctoral fellowship
- 1998 Pilot Study Seed Funding, MacGillivray Freeman Films: \$22,000 for research into the benefits and mechanisms of dusky dolphin foraging behavior. Co-PI's include Bernd Würsig, Alejandro Acevedo, Michelle Wainstein.
- 1999 Kaken-hi (Monbusyo Grant-In-Aid) for JSPS Fellows: ~\$5,000 (600,000 yen) for research-related and travel expenses during the remaining tenure of my post doctoral fellowship
- 2000 Short-term Fellowship Award, Japan Society for the Promotion of Science: Stipend (53 days - ~\$10,000), lodging & research-related expenses included.
- 2001 Deramus Foundation award to DCP. Funds to cover field and travel expenses for data collection in Japan, 2001. (~\$8,000.00)
- 2001 ICERC Japan CASIO Human/Dolphin Fund: \$3000.00 for research on spotted dolphin identification around Bimini, Bahamas. Funds provided to DCP on behalf of Xenia Brobeil & KM Dudzinski.
- 2002 Deramus Foundation award to DCP. Funds to cover field and travel expenses for data collection in Japan, 2002. (~\$14,350.00)
- 2002 ICERC Japan CASIO Human/Dolphin Fund: \$3000.00 for development of an activity guide teaching students about dolphin identification, acoustics, and communication.
- 2003 ICERC Japan CASIO Human/Dolphin Fund: \$3,000.00 for research on dolphin communication and behavior from spotted dolphins around Bimini Island, The Bahamas.
- 2003 Deramus Foundation award to DCP. Funds to cover travel and field expenses for data collection on dolphins around Mikura Island, Japan. (~\$6,500.00)
- 2004 Anthony's Key Resort, Roatan, Honduras. Funds to cover room and board for two researchers (Dudzinski & Paulos) for 7 weeks with a photographer for 2 additional weeks. Supported also the observation and data collection on 17 captive bottlenose dolphins at RIMS, on site.
- 2004 Japan-United States Friendship Commission grant to DCP, MAIFE for the production of a DVD showcasing the use of dolphins during workshops in Japan and the US. Program title: "Bridging the Ocean Divide: A Documentary Examining

- 2005 How a Unique Project Uses Dolphins to Unite Japanese and American Citizens in Global Environmental Stewardship" (\$20,000.00)  
Anthony's Key Resort, Roatan, Honduras. Funds to cover room and board for two researchers (Dudzinski & Beard) for 3.5 weeks. Supported also the observation and data collection on 19 captive bottlenose dolphins at RIMS.
- 2006 Anthony's Key Resort, Roatan, Honduras. Funds to cover room and board for one researcher (Dudzinski) for 1.5 weeks. Supported also the observation and data collection on 15 captive bottlenose dolphins at RIMS.
- 2007 Anthony's Key Resort, Roatan, Honduras. Funds to cover room and board for one researcher (Dudzinski) for 1.5 weeks. Supported also the observation and data collection on 19 captive bottlenose dolphins at RIMS.

#### Professional Memberships

Professional Association of Divers International (PADI), member since 1986  
Society of Marine Mammalogy, member since 1987  
Phi Beta Kappa, member since 1987-2002  
Phi Kappa Phi, member since 1987-2002  
National Geographic Society, member since 1989  
Society of Mammalogists, member since 1991  
American Cetacean Society, member 1992 - 1994, 1997 - present  
Animal Behavior Society, member since 1992  
American Museum of Natural History, member since 1993  
European Association for Aquatic Mammals, member since 1994  
Bahamas National Trust, member since 1994  
International Marine Animal Trainers Association, member since 1994  
Women Diver's Hall of Fame – Inducted in 2003.  
Association of Fundraising Professionals, member 2005 – 2007  
The Explorer's Cub – National Fellow, 2008

#### Refereed Publications

- Dudzinski, K.M., Neff, N.A. 1990. A technique for the combination of clearing, staining, and injecting small mammals. **Stain Technology** 65(3):113-118.
- Dudzinski, K.M., Frohoff, T.G., Shoda, L.K.M., Sparks, T.D. 1991. The Pine Warbler song repertoire: a preliminary description and analysis. **Bulletin of the Texas Ornithological Society** 24(2): 30-38.
- Dudzinski, K.M., Frohoff, T.G., Crane, N. 1995. Behavior of a lone female bottlenose dolphin (*Tursiops truncatus*) with humans off the coast of Belize. **Aquatic Mammals** 21(2): 149-153.
- Dudzinski, K.M., Clark, C.W., Würsig, B. 1995. A mobile video/acoustic system for simultaneously recording dolphin behavior and vocalizations underwater. **Aquatic Mammals** 21(3): 187-193.
- Dudzinski, K.M., Newborough, D. 1997. Concurrent recording of dolphin behaviors, frequency-modulated tones, and pulsed vocalizations (including echolocation clicks) underwater with a swimmer-propelled system. Proceedings of The Underwater Bio-Sonar Systems and Bioacoustics Symposium, Underwater Acoustics Group, Loughborough, England, 16-17 December 1997.
- Dudzinski, K.M. 1998. Intraspecific Contact Behavior and Signal Exchange Among Free-ranging Dolphins - The View from Underwater. Proceedings of the 10th Annual International Symposium of the International Marine Biological Research Institute, Kamogawa, Japan, 31 Jan. - 1 Feb. 1998
- Dudzinski, K.M. 1998. Contact behavior and signal exchange among Atlantic spotted dolphins (*Stenella frontalis*). **Aquatic Mammals** 24(3): 129-142.
- Dudzinski, K.M., Douaze, E., Thomas, J. 2002 Communication. In (W.F. Perrin, B. Würsig, H.C.M. Thewissen, eds) Encyclopedia of Marine Mammals. Academic Press, Inc.
- Dudzinski, K.M., M. Sakai, M., Masaki, K., Kogi, K., Hishii, T., Kurimoto, M. 2003. Behavioral observations of adult and sub-adult dolphins towards two dead bottlenose dolphins (one female and one male). **Aquatic Mammals** 29(1): 108-116.
- Frohoff, T.G., Dudzinski, K.M. 2004. Dolphins (sidebar). Encyclopedia of Animal Behavior. ed. M. Bekoff. Greenwood Publishing Group.
- Dudzinski, K.M., Frohoff, T.G. 2004. Dolphins Behavior. Encyclopedia of Animal Behavior. ed. M. Bekoff. Greenwood Publishing Group.

- Kogi, K., Hishii, T., Imamura, A., Iwatani, T., Dudzinski, K.M. 2004. Preliminary demographic parameters and reproductive rates of Indo-Pacific bottlenose dolphins (*Tursiops aduncus*) around Mikura Island, Japan. **Marine Mammal Science** 20(3): 510-526.
- Lepper, P., Dümortier, N., Dudzinski, K., Datta, S. 2005. Separation of Complex Echolocation Signal Trains from Multiple Bio-Sonar Sources. Proceedings of the International Conference "Underwater Acoustic Measurements: Technologies & Results", Heraklion, Crete, Greece, 28<sup>th</sup> June – 1<sup>st</sup> July 2005.
- Paulos, R.D., Dudzinski, K.M., Kuczaj, S.A. 2008. Non-vocal communication in the Atlantic spotted dolphin (*Stenella frontalis*) and the Indo-Pacific bottlenose dolphin (*Tursiops aduncus*). **Journal of Ethology** 26: 153-164.
- Gregg, J.D., Dudzinski, K.M., Smith, H.V. 2007. Do dolphins eavesdrop on the echolocation signals of conspecifics? *International Journal of Comparative Psychology*, 20: 65-88.
- Gregg, J.D., Dudzinski, K.M., Smith, H.V. 2008. 3D MASC: a method for estimating relative head angle and spatial distance of dolphins from underwater video footage. *Animal Behaviour* 75(3): 1181-1186
- Dudzinski, K.M., Thomas, J., Gregg, J. 2008. Communication. In (W.F. Perrin, B. Würsig, H.C.M. Thewissen, eds) *Encyclopedia of Marine Mammals*, second edition. Academic Press, Inc.
- Dudzinski, K.M., Gregg, J.D., Kuczaj, S.A., Ribic, C.A. (submitted 6/10/08) Flipper's flipper – a comparison of how, where and why spotted and bottlenose dolphins use their pectoral fins to touch peers. (*to- Behavioural Processes*)
- Melillo, K., Dudzinski, K., Cornick, L. (submitted 8/26/08). Interactions between Atlantic spotted (*Stenella frontalis*) and bottlenose dolphins (*Tursiops truncatus*) off Bimini, Bahamas 2003-2007. (Target – *Journal of Mammalogy*).

#### Publications in Prep:

- Beard, K.L., Melillo, K.; Blanding, D.; Dudzinski, K.M.; Scheifele, P.M.; Darre, M. (in Prep). Use of Bubble Emissions by Bottlenose (*Tursiops truncatus*) and Atlantic Spotted Dolphins (*Stenella frontalis*) Relative to Age and Sex. (Target – *Marine Mammal Science*).
- Dudzinski, K.M., Gregg, J.D., Kuczaj, S.A., Ribic, C.A. (in prep) Pectoral fin contact behavior: functional uses by captive and wild dolphins. (Target- *Behavioural Processes*)
- Gregg, J.D., Dudzinski, K.M., Smith, H.V. (in prep). Eavesdropping behaviors in wild Indo Pacific bottlenose dolphins (*Tursiops aduncus*). (Target – *Aquatic Mammals*).
- Makepeaces, S., Scheifele, P., Darre, M., Dudzinski, K. (in prep). Structural changes in dolphin tonal vocalizations in a changing soundscape: A field study. (Target – *Marine Mammal Science*)

#### Abstracts

- Frohoff, T.G., Dudzinski, K.M., Packard, J.M. 1991. Predictability of dolphin behaviors during a controlled "swim with the dolphins" program. Abstracts of the Ninth Biennial Conference on the Biology of Marine Mammals, Chicago, 5-9 December.
- Dudzinski, K.M. 1992. Communication in two delphinid species, pantropical spotted (*Stenella attenuata*) and bottlenose (*Tursiops truncatus*) dolphins: Relationships between vocal and behavioral activities. Abstracts of the Texas Society of Mammalogists Meeting, Junction, 21-23 February.
- Dudzinski, K.M. 1992. Delphinid communication: Underwater vocal and behavioral studies. Abstracts of the American Cetacean Society Fifth Biennial Conference, Monterey, 6-8 November.
- Graham, C.M., Dudzinski, K.M. 1992. Dolphins of Turneffe Atoll, Belize. Abstracts of the American Cetacean Society Fifth Biennial Conference, Monterey, 6-8 November.
- Bilgre, B., Graham, C., Dudzinski, K., Würsig, B., Defran, R.H. 1993. Bottlenose dolphins at Turneffe Atoll, Belize. Abstracts of the Tenth Biennial Conference on the Biology of Marine Mammals, Galveston, 12-15 November.
- Dudzinski, K.M., Würsig, B., Clark, C.W. 1993. A mobile video/acoustic system for synchronous recording of dolphin vocal and behavioral activities. Abstracts of the Tenth Biennial Conference on the Biology of Marine Mammals, Galveston, 12-15 November.
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- Dudzinski, K.M. 1998. Intraspecific interactions among dolphins: signal exchange via contact behavior and vocalizations. 75th Annual Society for Mammalogy Meeting. Blacksburg, Virginia, 6-10 June 1998.
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- Dudzinski, K.M., Kuczaj, S. 2002. Comparing captive and free-ranging dolphin behavior from underwater observations: a preliminary look using video sequences, trainer comments, and survey responses. Abstracts of the European Association for Aquatic Mammals Annual Meeting, Aalborg, Denmark, 8-11 March 2002
- Dudzinski, K.M., Lepper, P., Newborough, D. 2002. An examination of two frequency bands for echolocation click signals recorded from two species of wild dolphins with respect to behaviour and potential function. Abstracts of the European Association for Aquatic Mammals Annual Meeting, Aalborg, Denmark, 8-11 March 2002
- Dudzinski, K.M., Kuczaj, S. 2002. Comparing captive and free-ranging dolphin behavior from underwater observations. Abstracts of the 30<sup>th</sup> Annual IMATA Conference, Orlando, FL, 10-15 November 2002
- Dudzinski, K.M., Kuczaj, S., DeStefano, K.A., Sakai, M. 2003. Flipper's flipper – a comparison of how spotted and bottlenose dolphins use their pectoral fins to touch and what these touch/rubs mean. Abstracts of the European Association for Aquatic Mammals Annual Meeting, Canary Islands, Spain, 14-17 March 2003
- Dudzinski, K.M., Kuczaj, S. 2003 A preliminary comparison of captive and wild dolphin behaviour from trainer comments and survey responses after examining video sequences. Abstracts of the European Association for Aquatic Mammals Annual Meeting, Canary Islands, Spain, 14-17 March 2003
- Dudzinski, K.M., Landry, A., Coan, S. 2004. Who are they and how do you tell? Merging Animal ID research and educational programs and displays at Mystic Aquarium & Institute for Exploration. Abstracts of the European Association for Aquatic Mammals Annual Meeting, Valencia, Spain, 5-8 March 2004
- Hendry, J.L., Kuczaj, S.A., Dudzinski, K.M., Houser, D.S. 2005. The Ontogeny of Echolocation in Atlantic Bottlenose Dolphins (*Tursiops truncatus*). Abstracts of the 16<sup>th</sup> Biennial Conference on the Biology of Marine Mammals, San Diego, CA, 12-16 December 2005
- Gregg, J.D., Dudzinski, K.M., Smith, H. 2007. A cognitive model of joint attention in dolphins. Abstracts of the Animal Behavior Society meeting, New Hampshire, July 2007.
- Dudzinski, K.M., Kuczaj, S.A., Ribic, C.A. 2007. Flipper's flipper - a comparison of how, where, and why spotted and bottlenose dolphins from two locations use their pectoral fins to exchange contact. Abstracts of the 17<sup>th</sup> Biennial Conference on the Biology of Marine Mammals, Cape Town, South Africa, 29 November – 3 December 2007.
- Beard, K.L., Dudzinski, K.M., Scheifele, P.M., Darre, M.J. 2007. Use of Bubble Emissions in Bottlenose (*Tursiops truncatus*) and Atlantic Spotted Dolphins (*Stenella frontalis*) Relative to Age and Sex. Abstracts of the 17<sup>th</sup> Biennial Conference on the Biology of Marine Mammals, Cape Town, South Africa, 29 November – 3 December 2007.
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- Melillo, K., Dudzinski, K., Cornick, L. 2007. Interactions between Atlantic spotted (*Stenella frontalis*) and bottlenose dolphins (*Tursiops truncatus*) off Bimini, Bahamas 2003-2007. Abstracts of the 17<sup>th</sup> Biennial Conference on the Biology of Marine Mammals, Cape Town, South Africa, 29 November – 3 December 2007.

#### Conference Presentations

- Texas Ornithological Society Conference. 8 - 10 November 1991. Whites City, New Mexico.  
Presented: Pine Warbler Song Repertoire: A Preliminary Description and Analysis.
- Ninth Biennial Conference on the Biology of Marine Mammals. 5-9 December 1991. Chicago, IL.  
Frohoff, T.G., Dudzinski, K.M., Packard, J.M. Predictability of dolphin behaviors during a controlled "swim with the dolphins" program.

- Texas Society of Mammalogy Conference. 21-23 February 1992. Junction, TX. Dudzinski, K.M. Communication in Two Delphinid Species, Pantropical Spotted (*Stenella attenuata*) and Bottlenose (*Tursiops truncatus*) Dolphins: Relationships Between Vocal and Behavioral Activities.
- American Cetacean Society Fifth Biennial Conference. 6-8 November 1992. Monterey, CA. Dudzinski, K.M. Delphinid Communication: Underwater Vocal and Behavioral Studies.
- Tenth Biennial Conference on the Biology of Marine Mammals. 12-15 November 1993. Galveston, TX. Dudzinski, K.M., Würsig, B., Clark, C.W. 1993. A Mobile Video/Acoustic System for Synchronous Recording of Dolphin Vocal and Behavioral Activities.
- Tenth Biennial Conference on the Biology of Marine Mammals. 12-15 November 1993. Galveston, TX. Jackson, M.A., Dudzinski, K.M. 1993. Atlantic Spotted Dolphins of the Bahamas: Identifications and Environmental and Sighting Correlates for 1992 and 1993.
- European Association for Aquatic Mammals. 11-14 March 1994. Kolmarden, Sweden. Dudzinski, K.M. Dolphin Communication and Social Behavior: An Examination of Data Collected with a Mobile System to Simultaneously Record Vocalizations and Behavior Underwater.
- The 4th International Dolphin and Whale Conference. Enoshima Forum. 8-10 April 1994. Enoshima, Japan. Dudzinski, K.M. Communication in the Atlantic Spotted Dolphins: Relationships between Vocal and Behavioral Activities. Invited Presentation.
- European Association for Aquatic Mammals. 31 March to 2 April 1995. Nürnberg, Germany. Communication in the Atlantic Spotted Dolphin (*Stenella frontalis*): Relationships Between Vocal and Behavioral Activities.
- Eleventh Biennial Conference on the Biology of Marine Mammals. 14-18 December 1995. Orlando, FL. Dudzinski, K. M. Correlates between and trends in the vocal and tactile behavior of the Atlantic spotted dolphin (*Stenella frontalis*) -- Potential message-meanings explained.
- European Association for Aquatic Mammals. 14-18 March 1997. Duisberg, Germany. Contact Behavior and Signal Exchange Among Individual Atlantic Spotted Dolphin.
- Tenth Annual International Symposium of the International Marine Biological Research Institute. 31 Jan. - 1 Feb. 1998. Kamogawa, Japan. Intraspecific Contact Behavior and Signal Exchange Among Free-ranging Dolphins - The View from Underwater.
- Seventh International Dolphin and Whale Conference. 28 & 29 March 1998. Tokyo, Japan. Dolphin Communication - Observations on Signal Exchange, Posture and Approach
- Fifth Anniversary International Symposium on Island Birds and Ecotourism. 13-15 May 1998. Miyake, Japan. Dolphin Watching/Swimming Programs - True Ecotourism, Simple Fun or Both.
- 75th Annual Society for Mammalogy Meeting. 6-10 June 1998. Blacksburg, Virginia. Intraspecific Interactions among Dolphins: Signal Exchange via Contact Behavior and Vocalizations.
- Thirteenth Biennial Conference on the Biology of Marine Mammals. 28 November - 3 December 1999. Maui, HI. Dudzinski, K. M. Production and Use of Frequency-Modulated Tones Recorded from Bottlenose Dolphins (*Tursiops truncatus*) found around Mikura Island, Japan.
- 29<sup>th</sup> Annual Meeting of the European Association for Aquatic Mammals. 9-12 March 2001. Genova, Italy. Instinct, guilt, and a novel use for human swimmers – possible explanations for unusual behavior among bottlenose dolphins around Mikura Island, Japan.
- 29<sup>th</sup> Annual Meeting of the European Association for Aquatic Mammals. 9-12 March 2001. Genova, Italy. Trends in dolphin sounds as associated with context – data from two dolphin species on opposite sides of the globe.
- 30<sup>th</sup> Annual Meeting of the European Association for Aquatic Mammals. 8-11 March 2002. Aalborg, Denmark. Comparing captive and free-ranging dolphin behavior from underwater observations: a preliminary look using video sequences, trainer comments, and survey responses
- 30<sup>th</sup> Annual Meeting of the European Association for Aquatic Mammals. 8-11 March 2002. Aalborg, Denmark. An examination of two frequency bands for echolocation click signals recorded from two species of wild dolphins with respect to behaviour and potential function.
- 30<sup>th</sup> Annual IMATA Conference. 10-15 November 2002. Orlando, FL. Comparing captive and free-ranging dolphin behavior from underwater observations.
- 31<sup>st</sup> Annual Meeting of the European Association for Aquatic Mammals. 14-17 March 2003. Canary Islands, Spain. Flipper's flipper – a comparison of how spotted and bottlenose dolphins use their pectoral fins to touch and what these touch/rubs mean.
- 31<sup>st</sup> Annual Meeting of the European Association for Aquatic Mammals. 14-17 March 2003. Canary Islands, Spain. A preliminary comparison of captive and wild dolphin behaviour from trainer comments and survey responses after examining video sequences.

- 32<sup>nd</sup> Annual Meeting of the European Association for Aquatic Mammals. 5-8 March 2004. Valencia, Spain. Who are they and how do you tell? Merging Animal ID research and educational programs and displays at Mystic Aquarium & Institute for Exploration.
- 16<sup>th</sup> Biennial Conference on the Biology of Marine Mammals. 29 November – 3 December 2007. Cape Town, South Africa. Flipper's flipper - a comparison of how, where, and why spotted and bottlenose dolphins from two locations use their pectoral fins to exchange contact.

#### Project Reports: Unrefereed

- Dudzinski, K.M. 1993. A report on the 1992 field season for Bahamas project dolphin. Year End report to the National Geographic Society. 35pp.
- Dudzinski, K.M. 1994. A report on the 1993 field season for Bahamas project dolphin. Year End report to the National Geographic Society. 15pp.
- Dudzinski, K.M. December 1995. A report on the 1994 field season for Bahamas project dolphin. Final Season Funded by NGS report to the National Geographic Society. 16pp.
- Dudzinski, K.M. December 1996. A report on the 1995 field season for Bahamas project dolphin. Final Season Funded by NGS report to the National Geographic Society. 15pp.
- Dudzinski, K.M., Frohoff, T.G., Spradlin, T.R. 1999. Wild Dolphin Swim Program Workshop Proceedings. The 13<sup>th</sup> Biennial Conference on the Biology of Marine Mammals. The Society of Marine Mammalogy. 28 November 1999. Maui, HI. 70 pp.

#### Popular Publications

- Dudzinski, K.M., Graham, C.M. 1992. An Introductory Trail Guide to Blackbird Caye. Texas A&M University Print Shop, Galveston. 62pp.
- Dudzinski, K.M. 1993. Who's out and about. Project Dolphin News. Oceanic Society Expeditions. Crotti's Computerwork, San Francisco. 2pp.
- Dudzinski, K.M. 1993. What the data have to say. Project Dolphin News. Oceanic Society Expeditions. Crotti's Computerwork, San Francisco. 1p.
- Dudzinski, K.M., Gubbins, C.M. 1993. Project Dolphin. Texas A&M University, Galveston. 36pp.
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- Dudzinski, K.M. 1994. What the data have to say. Project Dolphin News. Oceanic Society Expeditions. Crotti's Computerwork, San Francisco. 1p.
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- Dudzinski, K.M., Fertl, D., Megill, W., Baird, R.W., Stern, S.J. 1995. Scientific correspondence: Report on group size workshop from the Tenth Biennial Conference on the Biology of Marine Mammals. Email: Marmam Net. 3pp.
- Dudzinski, K.M. 1996. Who's out and about. Project Dolphin News. Oceanic Society Expeditions. Crotti's Computerwork, San Francisco. 2pp.
- Dudzinski, K.M. 1996. What the data have to say. Project Dolphin News. Oceanic Society Expeditions. Crotti's Computerwork, San Francisco. 1p.
- Dudzinski, K.M. 1996. Final Summary Report to OSE: Communication in Atlantic Spotted Dolphins (*Stenella frontalis*): Relationships between vocal and behavioral activities. Oceanic Society Expeditions. San Francisco. 18pp.
- Dudzinski, K.M., Perrine, D. 1997. Dolphins Behaving Badly? Dive International Magazine. December Issue.
- Amano, M., Barbosa, C., Dudzinski, K.M., Kawaguchi, N., Kikuchi, K., Mori, Moyer, J.T., K., Orams, M.C., Soeda, R., Taguchi, S., Yoshioka, M. 1998. Interactions with Dolphins and Whales. Japanese Publishers & sponsored by Omega.
- Dudzinski, K. M. 1998. The Best Kept Secret in Dolphin Swim Programs. Whalewatcher. Fall/Winter. 6 pp.
- Dudzinski, K.M. 2000. Meeting Dolphins: My adventures in the Sea. National Geographic Publications.
- Dudzinski, K.M. 2003. Letting Dolphins Speak Are We Listening? In: Frohoff, T.G. and Peterson, B. Between Species: A Celebration of the Dolphin-Human Bond. Sierra Club Books, San Francisco.

- Dudzinski, K.M. 2005 *Dolphins*. in *The Legend of Katama* (an origination story for dolphins) by: Stacy Hall. Island Moon Press.
- Dudzinski, K.M., Frohoff, T.G. (2008) *Dolphin Communication: Going Beneath the Surface*. Yale University Press (slated for Fall 2008 publication date, under contract).
- Dudzinski, K.M., Strain, J. (*submitted*) *The Other Side*. (a children's short story).

#### Documentaries

- Dolphins*. 2000. A large-format film produced by MacGillivray Freeman Films. Directed by Greg MacGillivray.
- The Dolphin Trip*. 2000. Television Documentary depicting Dudzinski's research in Bahamas. WKRC Channel 12, Cincinnati, Ohio. Produced with Tim Hedrick, Meteorologist.
- The Power of Play*. 2002. Television Documentary for Animal Planet on animal play behavior. Dudzinski is interviewed with respect to her research on dolphins. Produced by Fleisher Films, Basalt, CO.
- Dolphins*. 2003. Television Documentary for German TV (Kabel 1). Dudzinski is interviewed at Roatan Institute for Marine Science, Honduras, on her dolphin studies. Produced by Visionelles Productions, Munich, Germany.
- Spirits in the Sea*. In prep. Television Documentary. Dudzinski is interviewed at MAIFE regarding her studies into dolphin communication. Dudzinski is one science advisor to the film. Produced by Mirabella Enterprises, New York.
- Bridging the Ocean Divide*. 2005. DVD documentary funded by the Japan US Friendship Commission and produced by Terramar Productions. Dudzinski is interviewed on camera and consulted as science and education advisor.

#### Student Advisees, Their Degree and Affiliation, and Degree Topic

##### *Graduated*

- Jennifer Hendry, Ph.D., University of Southern Mississippi, Development of echolocation in bottlenose dolphins. Completed in 2003.
- Robin Paulos, M.S., University of Southern Mississippi, Non-vocal communication in two groups of dolphins. Completed in 2004.
- Robin Paulos, Ph.D., University of Southern Mississippi, Sperm whale vocalizations – codas and creaks. Completed in 2007.
- Kristy L. Beard, M.S., University of Connecticut, Bubble streams in bottlenose and Atlantic spotted dolphins by age and sex. Completed in 2007.
- Shawn Makepeace, M.S., University of Connecticut, Dolphin sounds isolated from ambient noise and the effects of the latter. Completed in 2007.
- Justin D. Gregg, Ph.D. Trinity College Dublin Ireland, Eavesdropping on dolphins – examining joint attention and possible echoic information sharing among dolphins. Completed in 2008.
- Kelly Melillo, M.S. Alaska Pacific University, Inter-specific interactions between Atlantic spotted and bottlenose dolphins in Bimini. Completed in 2008.

##### *Current Students*

- Darcie Blanding, M.S., University of Rhode Island, Association patterns in bottlenose and Atlantic spotted dolphin calves. Completed in (pending).
- Lauren Miller, M.S., University of Southern Mississippi, Conflict management in Indo-Pacific bottlenose dolphins. Completed in (pending).
- Peter Sugarman, Ph.D., University of Southern Mississippi, Acoustic discrimination in bottlenose dolphins. Completed in (pending).