

JEANETTE A. THOMAS, Professor
Department of Biological Sciences
Western Illinois University
Macomb, IL

1. Education:

Hubbs-Sea World Research Institute, Post-doctoral research, 1980-1985
University of Minnesota, Post-doctoral research, 1979-1980
University of Minnesota, Ph.D., in Evolutionary Biology & Behavioral Ecology. 1979
University of Minnesota, M.S. in Evolutionary Biology & Behavioral Ecology. 1977
Western Illinois University, B.S. in Zoology and B.S. in Botany, 1973

2. Areas of Specialization:

Mammalogy, with special interest in sensory behavior, using bioacoustics as a population assessment tool, and the effects of human made noise on animals and behavioral enrichment of captive animals

3. Professional Experience:

Director, Laboratory of Sensory Biology, Western Illinois University-Quad Cities
Editor, *Aquatic Mammal*, 2000-present
WIU Distinguished Faculty Lecturer, 2005
Coordinator WIU Graduate Certificate in Zoo and Aquarium Studies, 2001-present
Chair, WIU-QC Faculty Council, 1999-2002
WIU Distinguished Alumni, 1999
WIU Outstanding Researcher, 1994
Professor, tenured by exception, 1993-present
Professor, Western Illinois University, 1992-present
Associate Professor, Western Illinois University, 1989-1992
Senior Scientist, DP III (GS 13 equivalent), Naval Ocean Systems Center, Biological Research Branch, Kailua, Hawaii, 1985-1989
Adjunct Professor, San Diego State University, San Diego, California, 1980-1985
Director of Bioacoustics Laboratory, Hubbs/Sea World Research Institute, San Diego, California, 1980-85
Post-Doctoral Researcher, University of Minnesota, 1979-1980
Graduate Research Assistant, University of Minnesota, National Science Foundation Polar Programs, 1977-1980
Field Party Leader in Antarctic, National Science Foundation Polar Programs, 1976-1979.
Graduate Teaching Assistant, University of Minnesota, 1975-1976
Graduate Museum Curator Assistantship, Mammal Department, Bell Museum of Natural History, University of Minnesota, 1973-1976
Wildlife Information Specialist, Bell Museum of Natural History, 1974
Natural History Tour Guide, Bell Museum of Natural History, 1973-1975

4. Professional Publications:

2009 (published, submitted, & in preparation)

- McCreery, L. and J. A. Thomas. Acoustic Analysis of Underwater Vocalizations of Crabeater Seals (*Lobodon carcinophagus*): not so monotonous. *Aquatic Mammals* (submitted).
- Dudzinski, K., Thomas, J. A., and J. Gregg. Communication in Marine Mammals. *in* Encyclopedia of Marine Mammals. Perrin, W., Würsig, B. and Thiesselwait, Ed. Academic Press. 2nd Edition. Pp. 260-269.
- Fuhs, V. S., Wells, R. S., and J. A. Thomas (in preparation). Spatial relationships of mother-calf pairs within Hawaiian spinner dolphins (*Stenella longirostris*). *Aquatic Mammals*. (in preparation).
- Heinemeyer, H., and J. A. Thomas. Patterns of echolocation in a group of semi-captive Atlantic bottlenose dolphins (*Tursiops truncatus*) in Rotan, Honduras. *Aquatic Mammals*. (in preparation).
- Nester, A., Alcevedo, A. and J.A. Thomas (in revision). Influence of ambient on underwater whistles from wild false killer whales (*Pseudorca crassidens*).

- Aquatic Mammals. (in revision).
- Southall, B.L., Bowles, A.E., Ellison, W.T. Finneran, J.J., Gentry, R.L., Greene, C.R.Jr., Kastak, D., Ketten, D.R., Miller J.H., Nachtigall, P.E., Richardson, W.J., Thomas, J.A., and Tyack, P.L. (2008) Marine mammal noise exposure criteria: initial scientific recommendations. Edited by: Paul Lepper, Ross Compton, Simon Dible, Trevor Guymmer, Ed Harland, Simon Richards and Stephen Robinson. Underwater Noise Measurement, Impact and Mitigation, 2008. Proceedings of the Institute of Acoustics Conference on Underwater Noise Measurement, Impact and Mitigation. Southampton, UK 14-15 October, 2008. Published by the Institute for Acoustics: St Albans, UK. Pages 13-16.
- Therrien, S. E., Peer, B. D., Therrien, R. E. and J. A. Thomas. The Effects of Urban Noise on the Vocal (submitted). Condor.
- Therrien, S. E. and J. A. Thomas. Diel Patterns in Underwater Sounds by Bottlenose Dolphins at Brookfield Zoo. Aquatic Mammals (submitted).
- Thomas, J.A. and T. Rogers. Species Account of the Weddell seal (*Leptonychotes weddellii*). in Encyclopedia of Marine Mammals. Academic Press. 2nd Edition. Pp. 1217-1220.
- Thomas, J.A. and J. Terhune. Species Account of the Ross Seal (*Ommatophoca rossii*). in Encyclopedia of Marine Mammals. 2nd Edition. Academic Press. Pp. 988-990.
- Walter, E. M. and J. A. Thomas. Visual discrimination in an Asian elephant. Animal Cognition. (in preparation).
2008. Hasselberg, B. and J. A. Thomas 2008. Using an Infrared Temperature Sensor to Remotely Study Microhabitat Selection in Captive California Sea Lions (*Zalophus californianus*). Aquatic Mammals. 34(2):212-228.
- Richlen, M. and J. A. Thomas. Acoustic Behavior of Antarctic Killer Whales (*Orcinus orca*) Recorded Near the Ice Edge of McMurdo Sound, Antarctica. Aquatic Mammals. 34(4): 448-457.
2007. Au, W. W. L., Thomas, J. A. and K. T. Ramirez. 2007. Characteristics of the Auditory Brainstem Evoked Potential of Pacific White-sided dolphin (*Lagenorhynchus obliquidens*). Aquatic Mammals 33 (1): 76-84.
- Southall, B. L., A. E. Bowles, W.T. Ellison, J. J. Finneran, R. L. Gentry, C.R. Greene Jr., D. Kastak, D. R. Ketten, J. H. Miller, P. E. Nachtigall, W. J. Richardson, J. A. Thomas, & P. L. Tyack. Marine Mammal Noise Exposure Criteria: Initial Scientific Recommendations Aquatic Mammals 33(4): 411-521.
2005. Mattson, M. C. and J. A. Thomas 2005. Effects of boat traffic on bottlenose dolphins near Hilton Head, South Carolina. Aquatic Mammals. 31(1): 133-140.
2004. Thomas, J. A., C. F. Moss, and M. Vater. 2004. (Eds.) Echolocation in Bats and Dolphins. The University of Chicago Press. Pp. 598.
- Awbrey, F.T., J.A. Thomas, and W.E. Evans. 2004. Ultrasonic sound production in a captive leopard seal (*Hydrurga leptonyx*). in Echolocation in Bats and Dolphins. Pp. 535-541 The University of Chicago Press.
- Evans, W.E., J.A. Thomas, and R. Davis. 2004. Sounds used during underwater navigation by a Weddell seal, (*Leptonychotes weddellii*). in Echolocation in Bats and Dolphins. Pp. 541-547. The University of Chicago Press.
- Fahner, M.A., J.A. Thomas, K. Ramirez, and J. Boehm. 2004. Acoustic properties of a Pacific white-sided dolphin, (*Lagenorhynchus obliquidens*), echolocation signals. in Echolocation in Bats and Dolphins. Pp. 53-59. The University of Chicago Press. J.A., C. Moss, and V. Vater, eds.
- Thomas, J.A. and M. Jalili. 2004. Review of echolocation in insectivores and rodents. in Echolocation in Bats and Dolphins. Pp. 547-564. The University of Chicago Press.
2003. Fenton, B. M. and J. A. Thomas. 2003. Sensory Ecology in Grzimek's Animal Life Encyclopedia. Mammals volume 6.
- Stirling, I. and J. A. Thomas. 2003. Relationships between underwater vocalizations and mating systems in phocid seals. Aquatic Mammals 29 (2):227-246.
2000. Dudzinski, K., J.A. Thomas, and E. Douaze. 2000. Communication. in Encyclopedia of Marine Mammals. Academic Press. Pp. 248-268.
- Thomas, J.A. 2000. Species Account of the Weddell seal (*Leptonychotes weddellii*). in Encyclopedia of Marine Mammals. Academic Press. Pp. 1300-1302.
- Thomas, J.A. 2000. Species Account of the Ross Seal (*Ommatophoca rossii*). in Encyclopedia of Marine Mammals. Academic Press. Pp. 1053-1055.
1999. Mossbridge, J.A. and J.A. Thomas. 1999. An acoustic niche for Antarctic killer whales (*Orcinus*

- orca) and leopard seals (*Hydrurga leptonyx*). *Marine Mammal Science* 15:1351-1356.
- Peterson, L. M. and J. A. Thomas. 1999. Performance of Trailmaster infrared sensors in monitoring activity of captive coyotes. *Wildlife Society Bulletin* 26(3):592-596.
1998. Tremel, D.P., J.A. Thomas, K.T. Ramirez, G.S. Dye, W.A. Bachman, A.N. Orban, and K.K. Grimm. 1998. Underwater hearing sensitivity of a Pacific white-sided dolphin, *Lagenorhynchus obliquidens*. *Aquatic Mammals* 24(2):63-69.
1996. Thomas, J.A. 1996. The Sounds of Seal Societies. *in* Critical Strategies for Academic Thinking and Writing. 3rd edition. M. Kiniry and M. Rose, eds. Reprinted.
- Kastelein, R.A., J.A. Thomas, and P.E. Nachtigall, eds. 1995. *Sensory Abilities of Aquatic Mammals*. De Spil Publishers, Amsterdam, Holland. 600 pp.
- Thomas, J. A. and C. L. Golladay. 1995. Analysis of Underwater vocalizations of Leopard Seals (*Hydrurga leptonyx*). *in* *Sensory Systems of Aquatic Mammals*. R.A. Kastelein, J.A. Thomas, and P.E. Nachtigall, eds. De Spil Publishers, Amsterdam.
- Etter, D. R., C. M. Nixon, J. B. Sullivan, and J.A. Thomas. 1995. Emigration and Survival of Orphaned Female Deer in Illinois. *Can. J. Zool.* 73:440-445.
1994. Nixon, C. M., L. P. Hansen, P. A. Brewer, J. E. Chelsvig, J.B. Sullivan, R. Koerkenveier, D. R. Etter, J. Cline, and J.A. Thomas. 1994. Behavior, dispersal, and survival of male white-tailed deer in Illinois. *Illinois Natural History Survey. Biological Notes* 139, May 1994. 30 pp.
- Thomas, J.A. 1994. Review of book, *The Sonar of Dolphin*. W.W.L. Au. *Marine Mammal Science* 10(2):240-241.
- Thomas, J.A. and D.K. Odell. 1994. *Strategies for Developing a Career in Marine Mammal Science*. The Society for Marine Mammalogy, Special Publication. (<http://www.marinemammalogy.org/strat.htm>)
- Thomas, J.A., R.A. Kastelein, and A. Ya Supin, eds. 1994. *Marine Mammal Sensory Systems*. Plenum Press, N.Y. 733 pp.
1993. Thomas, J.A. 1993. The Sounds of Seal Society. Reprinted *in* *Critical Strategies for Academic Reading and Writing*. Bedford Books. St. Martin's Press, Inc. Pp. 131-135.
- Turl, C.W. and J.A. Thomas. 1993. Possible Relationship between Oceanographic Conditions and Long-range Target Detection by a False Killer Whale. *in* *Marine Mammal Sensory Systems*. Thomas, Kastelein, Supin, eds. Pp. 421-432.
- Thomas, J.A., R.A. Kastelein, and A. Ya Supin, eds. 1993. *in* *Marine Mammal Sensory Systems*. Thomas, Kastelein, Supin eds. Plenum Publ. 773 pp.
- Thomas, J.A. 1991. Testing...Testing. *Natural History*. March, No. 3, Pp. 55-56.
- Thomas, J.A. 1991. The Sounds of Seal Society. *Natural History*. March, No. 3, Pp. 46-54.
- Thomas, J.A. and R.A. Kastelein, eds. 1990. *Sensory Abilities of Cetaceans: Laboratory and Field Evidence*. NATO ASI Life Sciences Series. Plenum Press, N.Y. Pp. 46-54.
- Thomas, J.A. and C.W. Turl. 1990. Echolocation characteristics and range detection by a false killer whale (*Pseudorca crassidens*). *in* *Sensory Abilities of Cetaceans: Laboratory and Field Evidence*. J.A. Thomas and R.A. Kastelein (eds.). Pp. 321-334. NATO ASI Life Sciences Series Plenum Press, N.Y. 708 pp.
- Thomas, J.A., R.A. Kastelein, and F.T. Awbrey. 1990. Behavior and blood catecholamines of beluga whales during playbacks of noise from an oil-drilling platform. *Zoo Biology* 9(5):393-402.
- Thomas, J.A., J. Pawloski, and W.W.L. Au. 1990. Masked hearing abilities in a false killer whale (*Pseudorca crassidens*). *in* *Sensory Abilities of Cetaceans: Laboratory and Field Evidence*. J.A. Thomas and R.A. Kastelein (Eds.). Pp. 395-404. NATO ASI Life Sciences Series. Plenum Press, N.Y. 708 pp.
- Thomas, J.A., P.W.B. Moore, P.E. Nachtigall, and W.G. Gilmartin. 1990. A new sound from a stranded pygmy sperm whale. *Aquatic Mammals* 16(1):28-80.
- Thomas, J.A., P.W.B. Moore, R. Withrow, and M. Stoermer. 1990. Underwater audiogram of a Hawaiian monk seal (*Monachus schauinslandi*). *J. Acoustical Society of America* 87(1):417-420.
1989. Thomas, J.A., Ferm, L.M., and K.E. Zinnel. 1989. Underwater vocalization patterns of Weddell seals (*Leptonychotes weddellii*) during the breeding season at McMurdo Sound, Antarctica. *Antarctic Journal of the United States* 23(5):146-148.
1988. Awbrey, F.T., J.A. Thomas, and R.A. Kastelein. 1988. Low-frequency underwater hearing in belugas, *Delphinapterus leucas*. *J. Acoustical Society of America* 84(6):2273-2275.

- Davis, R.W., T.M. Williams, J.A. Thomas, R.A. Kastelein, and L.H. Cornell. 1988. The effects of oil contamination and cleaning on sea otters (*Enhydra lutris*). II. Metabolism, thermoregulation, and behavior. *Canadian Journal of Zoology* 66(12):2782-2790.
- Thomas, J.A., M. Stoermer, C. Bowers, L. Anderson, and A. Garver. 1988. Detection abilities and characteristics of echolocating false killer whales (*Pseudorca crassidens*). *in: Animal Sonar: Processes and Performance*. P.E. Nachtigall and P.W.B. Moore (eds.). Plenum Press, N.Y. 862 pp.
- Thomas, J.A., N. Chun, W. Au, and K. Pugh. 1988. Underwater audiogram of a false killer whale (*Pseudorca crassidens*). *J. Acoustical Society of America* 84(3):936-940.
- Thomas, J.A., R. Puddicombe, M. George, and D. Lewis. 1988. Variations in underwater vocalization of Weddell seals (*Leptonychotes weddellii*) at the Vestfold Hills as a measure of breeding population discreteness. *Hydrobiologia* 165:279-284.
- Thomas, J.A., R.A. Puddicombe, M. George, and D. Lewis. 1988. Variations in underwater vocalizations of Weddell seals at the Vestfold Hills as a measure of breeding population discreteness. *in J.M. Ferris, H.R. Burton, G.W. Johnstone, and I.A.E. Bayly (eds.)*. Proceedings of the Symposium, August 1984. Pp. 279-284. Kluwer Academic Publishers, London.
- Williams, T.M., R.A. Kastelein, R.W. Davis, J.A. Thomas. 1988. The effects of oil contamination and cleaning on sea otters (*Enhydra lutris*). I. Thermoregulatory implications based on pelt studies. *Canadian Journal of Zoology* 66(12):2776-2781.
1987. Awbrey, F.T. and J.A. Thomas. 1987. Measurements of sound propagation from several acoustic harassment devices. *in Acoustical Deterrents in Marine Mammal Conflicts with Fisheries*. B. Mate and J. Harvey (eds.). Oregon Sea Grant Publication ORESU-W-86-001, Pp. 85-104.
- Thomas, J.A., S.R. Fisher, L.M. Ferm, and R.S. Holt. 1987. Acoustic detection of cetaceans using a towed array of hydrophones. *Rep. Int. Whal. Commn. Special Issue 8, No. SC/37/03*, Pp. 139-148.
- Thomas, J.A., L.H. Cornell, B.E. Joseph, L.H. Williams, and T.D. and S. Dreischman. 1987. An implanted transponder chip used as a tag for sea otters (*Enhydra lutris*). *Marine Mammal Science* 3(3):271-274.
- Thomas, J.A., L.M. Ferm, and V. Kuechle. 1987. Silence as an antipredation strategy by Weddell seals. *Antarctic Journal of the United States* 22(5):232-234.
1986. Bohne, B.A., D.G. Bozzay, and J.A. Thomas. 1986. Evaluation of inner ear pathology in Weddell seals. *Antarctic Journal of the United States* 21(5):208.
- Schusterman, R.J., J.A. Thomas, and F.G. Wood (eds.). 1986. *Dolphin Cognition and Behavior: A comparative approach*. Lawrence Erlbaum Associates, Publisher. 393 pp.
- Thomas, J.A., F.T. Awbrey, and S.R. Fisher. 1986. Use of acoustic techniques for studying whale behavior. *Rep. Int. Whal. Commn. Special Issue 8, No. SC/A82/Bw10*, Pp. 121-138.
1985. Bohne, B.A., J.A. Thomas, E. Yohe, and S. Stone. 1985. Examination of potential hearing damage in Weddell seals (*Leptonychotes weddellii*) in McMurdo Sound, Antarctica. *Antarctica Journal of the United States* 19(5):174-176.
- Todd, F.S., and J.A. Thomas. 1984. Observations of Weddell seals (*Leptonychotes weddellii*) at Nelson Island, Antarctica. *Antarctic Journal of the United States* 19(5):153-154.
- Thomas, J.A., R. Puddicombe, M. George, and D. Lewis. 1984. Investigations on geographic variation of Weddell seal vocalizations around the Antarctic. *Antarctic J. of the United States of America* 19(5):154-155.
1983. Fisher, S.R., L.M. Ferm, and J.A. Thomas. 1983. Circumpolar acoustic surveys for marine mammals using a towed hydrophone array. *Antarctic Journal of the United States of America* 17:171-173.
- Thomas, J.A. and R.A. Kastelein. 1983. Behavioral and physiological responses of captive beluga whales to playbacks of drilling noise. *J. Acoustical Society of America* 74(S1), S54(A).
- Thomas, J.A., F.T. Awbrey, and S.R. Fisher. 1983. Incidental evidence for echolocation in polar pinnipeds. *J. Acoustical Society of America* 74(S1), S75(A).
- Thomas, J.A. and D.P. DeMaster. 1983. Parameters affecting survival in Weddell seal pups (*Leptonychotes weddellii*). *Canadian J. Zoology* 61(9):2078-2083.
- Thomas, J.A. and D.P. DeMaster. 1983. Diel haulout patterns of Weddell seals (*Leptonychotes*

- weddellii*) females and their pups. Canadian J. of Zoology 61(9):2085-2086.
- Thomas, J.A. and I. Stirling. 1983. Geographic variation in Weddell seal (*Leptonychotes weddellii*) vocalization between Palmer Peninsula and McMurdo Sound, Antarctica. Canadian J. Zoology 61:2203-2210.
- Thomas, J.A., K. Zinnel, and L. Ferm. 1983. Investigation of Weddell seal (*Leptonychotes weddellii*) underwater calls using playback techniques. Canadian J. Zoology 61:1448-1456.
1982. Awbrey, F.T., J.A. Thomas, W.E. Evans, and J.S. Leatherwood. 1982. Ross Sea killer vocalizations: Preliminary description and comparison with those of some northern hemisphere killer whales. Rep. Int. Whal. Commn. 32:667-670.
- Leatherwood, J.S., F.T. Awbrey, and J.A. Thomas. 1982. Minke whale response to a transiting survey vessel. Rep. Int. Whal. Commn. 32:795-802.
- Leatherwood, J.S., F.S. Todd, J.A. Thomas, and F.T. Awbrey. 1982. Incidental records of cetaceans in southern seas January and February 1981. Rep. Int. Whal. Commn. 32:515-520.
- Thomas, J.A., V. Pastukhov, R. Elsner, and E. Petrov. 1982. Mammalian species account, Baikal seal (*Phoca sibirica*). Amer. Soc. of Mammalogists No. 188:6.
- Thomas, J.A. and V. Kuechle. 1982. Quantitative analysis of the underwater repertoire of the Weddell seal (*Leptonychotes weddellii*). J. Acoustical Society of America 72:1730-1738.
- Thomas, J.A. and D.P. DeMaster. 1982. An acoustic technique for determining haulout pattern in leopard (*Hydrurga leptonyx*) and crabeater (*Lobodon carcinophagus*) seals. Canadian J. Zoology 60(8):2028-2031.
- Thomas, J.A. and V.B. Kuechle. 1982. Melt pools as experimental acoustic arenas. Antarctic J. of the United States of America 16:186-187.
- Thomas, J.A., S.R. Fisher, W.E. Evans, and F.T. Awbrey. 1982. Leopard seals (*Hydrurga leptonyx*) produce ultrasonic sounds. Antarctic Journal of the United States of America 16:185.
- Leatherwood, J.S., J.A. Thomas, and F.T. Awbrey. 1981. Minke whales off northwestern Ross Island. Antarctic Journal of the United States of America 16(1):154-156.
- Thomas, J.A., J.S. Leatherwood, W.E. Evans, and J. Jehl, Jr. 1981. Ross Sea killer whale (*Orcinus orca*) distribution, behavior, color pattern, and vocalizations. Antarctic Journal of the United States 16(5):157:158.
- Thomas, J.A., V. Kuechle, J. Ross, and T.C. Eagle. 1980. Satellite tracking and automatic position/activity monitoring techniques for the Antarctic cod and the Weddell seal. Antarctic Journal of the United States 15:153-154.
1979. DeMaster, D.P., J.A. Thomas, S. Stone, and D. Andriashek. 1979. Biological studies of seals in pack ice habitat. Antarctic Journal of the United States of America 14(5):179-180.
- Thomas, J.A. and E.C. Birney. 1979. Parental care and mating systems of the prairie vole, *Microtus ochrogaster*. Behavioral Ecology and Sociobiology 5:171-186.
- Thomas, J.A. and D.P. DeMaster. 1979. Umbilical drop-off as a measure of age in the Weddell seal, *Leptonychotes weddellii*. Journal of Mammalogy 60(2):436.
- Thomas, J.A., D.P. DeMaster, S. Stone, and D. Andriashek. 1979. Observations of a newborn Ross seal pup (*Ommatophoca rossii*) near the Antarctic Peninsula. Canadian Journal of Zoology 58(11):2156-2158.
- Thomas, J.A., V. Kuechle, D.P. DeMaster, E. Birney, and J. Eldridge. 1978. Colonial behavior of the Weddell seals in eastern McMurdo Sound. Antarctic Journal of the United States 13(4):159-160.
- DeMaster, D., V. Kuechle, J. Thomas, and O. Rongstad. 1977. Colonial behavior of Antarctic marine mammals in eastern McMurdo Sound. Antarctic Journal of the United States 12(4):8-9.

5. General Publications and Reports

2009. Thomas, J. A. and K. Dudzinski. 2009. Mid-term report on Historical Perspectives, Marine Mammal Commission.
2003. Thomas, J. A., and W. W. L. Au. 2003. Evoked potential measurement of the masked hearing threshold of the Pacific white-sided dolphin (*Lagenorhynchus obliquidens*). Final Report to University Research Council at Western Illinois University.

2000. Thomas, J.A. and J. Potter. 2000. Comparison of vocal behavior of captive bobcats and mountain lions at Wildlife Prairie Park. Final Report to Western Illinois University Research Council.
1999. Thomas, J.A. 1999. Conference on Biological Sonars in Portugal. Final Report to Office of Naval Research.
1996. Thomas, J.A. 1996. Low frequency hearing in a Pacific White-sided Dolphin. Final Report to Office of Naval Research.
1995. Mortimer, K. and J.A. Thomas. 1995. Research Took WIU Professor into a World All its Own. WIU Press Release.
- Nixon, C.M., J.B. Sullivan, R. Koerkenmeier, J.H. Stevens, J.A. Thomas, T. Rothering, L.L. Hungerford, M. Mitchell, G.F. Hubert, and R. Bluett. 1995. Illinois Raccoon Investigations. Final Report. PR No. W-104-R-6, 1 July 1993 to 30 June 1995.
- Shinberger, D. 1995. Western Illinois University Grad, Professor, and Internationally Known Mammalogist Explains her Start in the Field of Marine Biology. Jan. Western Illinois University Western Courier. press release.
- Thomas, J.A. 1995. Studies on Echolocation Abilities of Pacific White-sided Dolphins. *in* Critical Issues in Replicating Biosonar. Conference Record. Dynamic Systems, Panama City, FL.
- Thomas, J.A. and D.K. Odell. 1995. Strategies for Pursuing a Career in Marine Mammal Science. Reprinted by Ocean Society, Sea Grant, Sea World, and on several homepages in World Wide Web.
- Thomas, J.A. 1995. A whale of a good time. P. 3 *in* Western News, Spring.
- Warda, K. 1995. Biology professor shows interest and experience in Mammalogy. Western Courier. February 20, 1995.
1994. Manton, V.J. 1994. Review of Book: Marine Mammal Sensory Systems by J.A. Thomas, R.A. Kastelein, and S. Ya Supin. *Aquatic Mammals*. 20(2):57-58.
- Thomas, J.A. 1994. Evaluation of Infrared Sensors for Monitoring Coyote Activities. Final Report to Western Illinois University Research Council. 3 pp.
1993. Thomas, J.A. 1993. Acoustic Mapping of Pools at Shedd Aquarium. Final Report to Western Illinois University Research Council. 3 pp.
1992. Thomas, J.A. and J. Payne. 1992. Tissue Thickness as a Measure of Condition in White-tailed Deer. Final Report, PR Project No. W-105-R-2.
1991. Thomas, J.A. and J. Payne. 1991. Tissue Thickness as a Measure of condition in White-tailed Deer. Annual Performance Report, PR Project No. W-105-R-2, 66 pp.
1990. Thomas, J.A. 1990. Development of an Implanted Transponder Chip as an Assessment Tool for Illinois Mammals. Final Report to Western Illinois University Research Council. 2 pp.
1989. Thomas, J.A. 1989. A Review of Final Report by EBASCO Environmental, 1989 Walrus Monitoring Program. National Marine Fisheries Service. 58 pp.
1986. Awbrey, F.T., J.A. Thomas, W.E. Evans, and R.A. Kastelein. 1986. Hearing threshold measurements and responses to Belukha whales to playbacks of underwater drilling noise. American Petroleum Institute, Publication 1, No. 4438, 34 pp.
- Thomas, J.A. 1986. Sea otter oil spill mitigation study. Report to Minerals Management Service, No. MMS-86-0009. 219 pp.
1980. Evans, W.E. and J.A. Thomas. 1980. Understanding sound in the sea. HSWRI Tech. Rep. No. 80-127.

6. Theses:

1979. Thomas, J.A. Quantitative analysis of the vocal repertoire of the Weddell seal (*Leptonychotes weddellii*) in McMurdo Sound, Antarctica. Ph.D., University of Minnesota, Minneapolis, Minnesota. 99 pp. Major Professor: Donald B. Siniff
1977. Thomas, J.A. Parental care and mating systems in the prairie vole (*Microtus ochrogaster*). M.S., University of Minnesota, Minneapolis, Minnesota. 100 pp. Major Professor: Elmer C. Birney

7. Papers Presented at Professional Meetings and Abstracts:

2009. Gitter, S. J., S. Panigada, S. Airoidi, J. A. Thomas. Whistle repertoire and geographic variation of striped dolphins (*Stenella coeruleoalba*) in the Pelagos Sanctuary (Mediterranean Sea). Abstracted accepted for Society for Marine Mammalogy, Oct 2009 meeting.
- McCreery, L. and J. A. Thomas. Acoustic analysis of underwater vocalizations of crabeater seals: not so monotonous. Abstract accepted for Society for Marine Mammalogy, Oct 2009 meeting.
- Riess, D., M. Castellote, S. Crowell, J. Thomas, I. Szczepaniak, L. Psihoyos, C. Hambleton, J. Bruck, D. Kaplan, M. Maust, and B. Whitaker. Further Evidence in Support of the Distress Whistle Hypothesis in Dolphins. Abstract accepted for Society for Marine Mammalogy, Oct 2009 meeting.
- Thomas, J.A. and B. Hasselberg. Using an Infrared Temperature Sensor to Remotely Study Microhabitat Selection in Captive California Sea Lions (*Zalophus californianus*). European Association of Aquatic Mammals, Malta. March.
2008. Thomas, J. Co-sponsorship of Aquatic Mammals with the International Marine Animal Trainer's Association and the Alliance of Marine Mammal Parks and Aquariums. Oral Presentation, IMATA, Indianapolis, IN.
2007. Crowell, S., Thomas, J., Walter, E. and C. Stalf. 2007. Error patterns by an Asian elephant in a visual match-to-sample task. Poster presentation. Comparative Animal Cognition Conference Melbourne, Florida.
- Thomas, J., Stalf, C., Walter, E. and S. Crowell. 2007. Training an Asian elephant for Visual match-to-sample. Oral presentation Comparative Animal. Cognition Conference Melbourne, Florida.
- Walter, E. Thomas, J., S. Crowell and C. Stalf 2007. Visual discrimination of three-dimensional objects by an Asian Elephant using match-to-sample. Oral presentation Comparative Animal Cognition conference Melbourne, Florida.
- Southall et al (including J. Thomas) Oral presentation Marine Mammal Noise Exposure: Data Review, Science-Based Criteria, and Research Needs. Society for Marine Mammalogy Conference, Cape Town, South Africa.
- Hasselberg, B. and Thomas, J. 2007. Using an Infrared Temperature Sensor to Remotely Study Thermoregulation in California Sea Lions. Poster presentation at Society for Marine Mammalogy Conference, Cape Town, South Africa.
2005. Thomas, J. A. Anthropogenic noise in the World's oceans: a whale of a tale. WIU Distinguished Faculty Lecture, 31 March 2005
- Thomas, J. A. Benefits of Merging the Scientific Journal, *Aquatic Mammals*, with joint support from the European Association of Aquatic Mammals and the European Cetacean Society. March, Harderwijk, Holland, EAAM meeting.
- Thomas, J. A. Can you hear me now? How Funding Research on Captive Dolphins Applies to the Conservation of Wild Populations. The Society for Research Administrators and the National Council of University Research Administrators, May 2005.
2004. Thomas, J. A. Anthropogenic noise in the World's oceans: a whale of a tale. National Lecture Series at Aquariums Sponsored by National Marine Fisheries Service. October 2004. Shedd Aquarium, Chicago, Illinois.
- Thomas, J. A., J. Brickman, and E. Sanchez. 2004. Diel patterns in underwater sounds production by belugas and Pacific white-sided dolphins at the Shedd Aquarium. European Association for Aquatic Mammals, March 2004. Valencia, Spain.
- Thomas, J. A., Rose, N., Amundin, M., and J. Brokema. Panel Discussion on the Ethics of Marine Mammals in Captivity. Thomas Moderator. European Cetacean Society, Kolmarden Sweden, March 2004.
- Thomas, J.A. Panel member at 40th Anniversary Celebration of Hubbs-Sea World Research Institute in San Diego, CA. Topic-the role of graduate education in an Aquarium.
2003. Au, W. W. L. and J. A. Thomas. 2003. Masked audiogram of a Pacific white-sided dolphin using auditory brainstem response techniques. Oral presentation at the Acoustical Society of America conference. Nashville, TN May 2003.

- Thomas, J. A. 2003. A graduate certificate in zoo & aquaria studies. European Association for Aquatic Mammals. Oral Presentation. March 2003.
- Thomas, J. A. 2003. Status of *Aquatic Mammals*. European Association for Aquatic Mammals. Oral Presentation. March 2003.
- Thomas, J. A. and K. Buccarelli. 2003. Environmental enrichment of captive bears at the Lincoln Park Zoo. European Association for Aquatic Mammals. Oral Presentation. March 2003.
2001. Heinemeyer, H., and J. A. Thomas 2001. Patterns of echolocation in a group of semi-captive Atlantic bottlenose dolphins (*Tursiops truncatus*) in Roatan, Honduras. Poster Presentation. Society for Marine Mammalogy Conference, Vancouver, BC. December.
- Thomas, J. A. 2001. The Vocal Monotony of Monogamy. Invited symposium speaker. Society for Marine Mammalogy Conference, Vancouver, BC. December 2001.
- Whitten, J. A., and J. A. Thomas. 2001. Analysis of whistles from Pacific white-sided dolphins at the John G. Shedd Aquarium. Poster presentation. Society for Marine Mammalogy Conference, Vancouver, BC. December 2001.
2000. Thomas, J.A. 2000. Acoustic considerations in conserving the Florida manatee. Manatee Technical Advisory Council meeting, May 15, 2000.
- Thomas, J.A., K.T. Ramirez, and M. Jalili. 2000. Masked hearing in Pacific white-sided dolphin. Oral presentation. European Association of Aquatic Mammals.
- Thomas, J.A., K.T. Ramirez, and M. Jalili. 2000. Masked hearing in a Pacific white-sided dolphin. Oral presentation. Acoustical Society of America.
1999. Jalili, M. and J.A. Thomas. 1999. Masked audiogram of a Pacific white-sided dolphin. Poster. Society for Marine Mammalogy Conference, Maui, Hawaii.
- Cope, M. and J.A. Thomas. 1999. Effects of vessel traffic on a local population of bottlenose dolphins near Hilton Head, South Carolina. Poster. Society for Marine Mammalogy Conference, Maui, Hawaii.
1998. Mossbridge, J.A. and J.A. Thomas. 1998. Acoustic niche in Antarctic marine mammals. World Marine Mammal Conference. Poster. January, Monaco.
- Nester, Amy and J.A. Thomas. 1998. Analysis of whistles of false killer whales in different ambient environments. World Marine Mammal Conference. Poster. January, Monaco.
- Fahner, M.A. and J.A. Thomas. 1998. Echolocation in Pacific white-sided dolphins. World Marine Mammal Conference. Poster. January, Monaco.
- Thomas, J.A. 1998. Methods for teaching echolocation in the university classroom. Biosonar Conference, Carvoeiro, Portugal.
1997. Thomas, J.A. 1997. Using Bioacoustic Techniques to Study Marine Mammals. Fermi National Accelerator Laboratory Colloquium.
- Thomas, J.A. 1997. Using Bioacoustic Techniques to Study marine Mammals, Veterinary School, University of Illinois.
1996. Thomas, J.A. 1996. Echolocation in "other" mammals: rats, shrews & seals. Symposium Organizer & speaker: American Society of Mammalogist. Grand Fork, ND, June 18, 1996.
- Bachman, W.A. and J.A. Thomas. 1996. ROC Analysis of Hearing Data on Three Species of Marine Mammals. AMS Conference. ND, 18 June 1996. Oral presentation.
- Welling, J. and J.A. Thomas. 1996. Acoustic surveys of bats in West-Central Illinois, ASM Conference. ND June 18, 1996. Poster.
1995. Bachman, W.A. and J.A. Thomas. 1995. ROC Curve Analysis of Hearing Data on Pacific White-sided Dolphins, ASM Conf., Burlington, VT. Poster.
- Bachman, W.A. and J.A. Thomas. 1995. ROC Curve Analysis of Hearing Data on Pacific White-sided Dolphins, SSM Conf., Orlando, FL. Poster.
- Dye, G. and J.A. Thomas. 1995. Vocal Mimicry by Beluga Whales of Ambient Sounds. SMM Conf., Orlando, FL. Poster.
- Orban, A. and J.A. Thomas. 1995. Adjunctive Behaviors of a Pacific White-sided Dolphin during an Audiogram. SMM Conf., Orlando, FL, Poster.
- Peterson, L.M. and J.A. Thomas. 1995. Effectiveness of Using Infrared Sensors for Monitoring Coyote Movements. ASM Conf., Burlington, VT. Poster.
- Tremel, D., J.A. Thomas, G.S. Dye, W.A. Bachman, and A. Orban. 1995. Low frequency hearing in Pacific White-sided Dolphins, SMM Conference, Orlando, FL.

- Thomas, J.A. 1995. Bioacoustic Research at the Shedd Aquarium. ONR symposium on Critical Issues in Biosonar. December, 1995, San Diego, CA.
- Thomas, J.A. 1995. Low-frequency hearing in Pacific White-sided Dolphins. International Ethological Congress. Honolulu, Hawaii. Invited Speaker.
1994. Peterson, L.M. and J.A. Thomas. 1994. Monitoring Movements of Coyotes Using Infrared Sensors. Am. Soc. Mammalogist Conference, Washington, D.C. Poster.
- Presley, S.J. and J.A. Thomas. 1994. Small Mammals of McDonough County, Illinois. Am. Soc. Mammalogist Conference, Washington, D.C. Poster.
- Thomas, J.A. 1994. Acoustic Research on Pacific White-sided Dolphins at the Shedd Aquarium, ONR Sponsored Conference on Critical Issues in Biosonar, San Diego.
- Thomas, J.A. and C.A. Golladay. 1994. Geographic variation in leopard seal vocalizations. Am. Soc. Mammalogist Conference, Washington, D.C. Poster.
- Thomas, J.A. and C.A. Golladay. 1994. Geographic variation in leopard seal vocalizations. Am. Soc. Mammalogist Conference, Washington D.C. Poster.
- Hollis, K.M. and J.A. Thomas. 1993. Comparison of Mark-Recapture Data on Small Mammals Marked with Toe Clips or Implanted Transponder Chips in West-Central Illinois. American Society of Mammalogist Meeting, June, Bellingham, Washington. Poster.
- Hollis, K.M. and J.A. Thomas. 1993. Comparison of Mark-Recapture of Small Mammals marked with Implanted Transponder Chips. Midwest Fish & Wildlife Conference, St. Louis, Missouri. Poster.
- Peterson, L. and J.A. Thomas. 1993. Infrared Sensing of Coyote Movements. Midwest Fish & Wildlife Conference, St. Louis. Poster.
- Rothering, T.A. and J.A. Thomas. 1993. Home Range of Adult Male Raccoons Before and After Removal of an Adjacent Male. Midwest Fish & Wildlife Conference, St. Louis. Poster.
- Thomas, J.A., K. Ramirez, D. Tremel, G. Dye and M. Hudson. 1993. Low frequency hearing in a Pacific White-sided Dolphin. Society for Marine Mammalogy Conference, Galveston, TX. Poster.
1991. Thomas, J.A. and C.W. Turl. 1991. Possible Relationship Between Oceanographic Conditions and Long-range Target Detection by False Killer Whales. Sensory Abilities of Aquatic Mammals, held October 1991, Moscow, USSR.
- Thomas, J.A. 1991. Using an Ultrasonic Probe to Measure Tissue Thickness in White-tailed Deer in Illinois. Annual meeting of Illinois Department of Conservation.
- Thomas, J.A. 1991. Status of Deer Check Program in Illinois. Annual meeting of Illinois Department of Conservation. Starved Rock State Park.
- Thomas, J.A. 1991. The Effects of Noise on Marine Mammals, Symposium on Marine Mammal Conservation. March. Shedd Aquarium.
1990. Thomas, J.A. and A. Wolf. 1990. Implanted Transponder Chip as an Identification Tag in Small Mammals. Poster. Annual Meeting of the American Society of Mammalogists.
1989. Thomas, J.A. 1989. Sensory systems in false killer whales. Symposium on Cognition and Sensory Abilities, Eighth Annual Meeting of The Society for Marine Mammalogy, Asilomar, California.
- Thomas, J.A. 1989. Masked hearing abilities in the false killer whale. Symposium on Sensory Abilities of Cetaceans, Fifth International Theriological Congress, Rome, Italy.
1985. Thomas, J.A. 1985. Echolocation abilities in false killer whales. Symposium on Animal Sonar Systems, Hellsingor, Denmark.
1984. Thomas, J.A. 1984. Further investigations on geographic variation of Weddell seal vocalizations around the Antarctic. Poster session at symposium on Biological Research in Vestfold Hills, Antarctica, Australian National Antarctic Research Program.
- Thomas, J.A. 1984. Studies on effects of noise on marine mammals. Acoustical Society of America. San Diego, California.
- Thomas, J.A. 1984. Sea otter oil spill mitigation study. Lecture Minerals Management Service, Santa Barbara, California.
1983. Thomas, J.A. 1983. Using acoustic techniques to assess marine mammals. Lecture at National marine Fisheries Service, Southwest fisheries Center, La Jolla, California.
- Thomas, J.A. 1983. Vocal behavior in Antarctic pinnipeds. Lecture at Physiological Research Laboratory, Scripps Institute of Oceanography, La Jolla California.
- Thomas, J.A. 1983. Using towed acoustic array for oceanic assessment. Lecture at Ames Laboratory, Scripps Institute of Oceanography, La Jolla, California.

1982. Thomas, J.A. 1982. Studies on vocal behavior of Weddell seals in the Antarctic. Lecture, San Diego University, San Diego, California.

8. Membership in Professional Organizations:

Acoustical Society of America, Animal Bioacoustics Technical Committee
American Society of Mammalogists
Acoustical Society of America
Sigma Delta Epsilon
Phi Kappa Phi
Association for Women in Science
European Cetacean Society
European Association of Aquatic Mammals
The Society for Marine Mammalogy
Illinois State Academy of Science

9. Grants Received:

2009. Grant from European Commission, EUZ00S-XXI \$845,000
2009. Institute for Museum Services, U@Zoo: Connecting pre-professionals and professionals in zoos & aquariums using distance-learning technology. \$460,000 under review, pending
2008. Grant from Marine Mammal Commission for Historical Perspective Aquatic Mammals \$57,350
2008. Grant from Joint Industry Program to publish special issue of Aquatic Mammals on Using Physiological Measurements of Hearing on Marine Mammals. \$25,000.
2007. Grant from National Marine Fisheries Service to publish special issue of *Aquatic Mammals* on Noise Exposure Criteria for Marine Mammals. \$24,800.
2005. Disney Conservation Fund- (submitted) Co-principle Investigator with Dan Odell, Leila Sayigh, Joe Olsen, and Doug Wartzok, proposal submitted by Hubbs-Sea World Research Institute, Orlando FL. Citizen-based sound monitoring in the Indian River Lagoon, Florida. \$20,000.
2002. University Research Council-. Masked audiogram of a Pacific white-sided dolphin using auditory brainstem response techniques \$5000.
2001. SPAWAR--For Julie Whitten to Analyze dolphin whistles at the Shedd aquarium— \$9000
University Research Council--Using auditory brainstem responses to measure hearing in a Pacific white-sided dolphin--\$3,000.
1999. Western Illinois University Foundation--Monitoring ultrasonic sounds in marine species--\$3,000.
Office of Naval Research--International conference on biological sonars--\$7,542
Naval Research and Development--Support for editing the book, "Advances in the Study of Echolocation in Bats and Dolphins"--\$2,500
Office of Naval Research-Europe—Support of European scientists attending the biosonar With Lee Miller \$5000
1997. Laboratory of Sensory Biology, Western Illinois University Regional Center--Startup funds to organize an international conference on biological sonars--\$23,900
University Research Council--Evaluating the effectiveness of deer whistles--\$2,920
1995. University Research Council--Biosonar studies on a Pacific white-sided dolphin--\$2,995
Shedd Aquarium/Office of Naval Research--Biosonar studies on a Pacific white-sided dolphin--\$5,000
1994. Office of Naval Research--Further investigations on low-frequency hearing in Pacific white-sided dolphins--\$45,819
University Research Council--Survey of bats in West Central Illinois using electronic sensors--\$3,000
Office of Naval Research--ASSERT funding, Graduate student training in audiometric studies of dolphins--\$17,124
Shedd Aquarium Research Committee--Vocal mimicry in Beluga whales--\$5,000 (with Greg Dye)
1993. Office of Naval Research--Supplemental funding. Low-frequency audiometric studies on Pacific white-sided dolphins--\$11,242

- Office of Naval Research--Graduate student training in low frequency audiometric studies on dolphins--\$48,890
- Office of Naval Research--Low frequency audiometric studies on Pacific white-sided dolphins--Year 2--\$25,900
- Illinois Natural History Survey--Radio tracking deer--Year 2--\$18,000
- Office of Naval Research--Low-frequency hearing in Pacific white-sided dolphins, Year 1--\$57,679
- Illinois Natural History Survey--Radio tracking deer--\$18,000
- Dal Briar Corporation--Brown County deer research--\$5,000
- Western Illinois University Research Council--Remote monitoring of coyote behavior using infrared sensors and cameras--\$3,000
- Illinois Department of Conservation--Tissue thickness as a measure of health in white-tailed deer--Segment 2--\$9,037
- Dal Briar Corporation--Brown County deer research--\$5,000
- Illinois Department of Conservation--Deer check station program--\$73,760
- Western Illinois University Research Council--Sound level mapping of Shedd Aquarium--\$6,113
- Illinois Natural History Survey--Graduate student support--\$15,300 (July 1 to December 30, 1991)
- Illinois Natural History Survey--Graduate student support--\$7,500 (September 1, 1991 to June 30, 1992)
- Illinois Natural History Survey--Graduate student support--\$9,000 (July 1, 1992 to June 3, 1993)
- Western Illinois University Research Office--Undergraduate funds for curating mammal museum collection--\$1,000
- U.S. Fish and Wildlife/Illinois Department of Conservation--Tissue thickness as a measure of health in white-tailed deer--\$16,151
- Illinois Department of Conservation--Deer Kill Checkers Station Program--\$62,480
- Illinois Department of Conservation--Deer Kill Checkers Station Program (supplement)--\$2,300
- Illinois Department of Conservation--tissue thickness of deer as an indicator of health--\$16,151
- Western Illinois University Research Council--Implantable transponder chip for population studies of Illinois mammals--\$2,764
- National Science Foundation--Sensory abilities of cetaceans--\$10,000 (with Herb Roitblat)
- Portuguese Division of NATO--Sensory Abilities of cetaceans--\$1,400
- Head Office of NATO in Belgium--Sensory abilities of cetaceans, an Advanced Research Workshop, Rome, Italy--\$39,000
- Illinois Department of Conservation--Deer check station program--\$31,879
- Plenum Press--Book publication--\$300
- National Marine Fisheries Service--Assessment of acoustic reflectivity of fishing nets --\$30,000
1985. Western Oil and Gas Association--Review of the petition to list the Guadalupe fur seal *Arctocephalus townsendi* as an endangered species--\$2,000
- Department of Interior, Minerals Management Service--Sea otter oil spill mitigation study, Part I--\$150,000; Part II--\$200,000
- National Science Foundation, Polar Programs--Acoustic research on Weddell seals (*Leptonychotes weddellii*) related to manmade noise. Part I--\$30,000
- Naval Ocean Systems Center--Experimental verification of the echolocation abilities of a false killer whale (*Pseudorca crassidens*)--\$30,000
1983. National Science Foundation, Polar Programs--Correlation of ambient recordings made during the Antarctic circumnavigation with biological productivity--\$32,000
1982. National Science Foundation, Polar Programs--Use of towed acoustic array as an assessment tool for marine mammals in the Antarctic--\$30,000
- American Petroleum Institute--Evaluation of acoustic and non-acoustic response of arctic marine mammals to underwater noise from offshore drilling operations--\$35,000
1981. National Marine Fisheries Service--Acoustic and color pattern discrimination of pilot whales near the Channel Islands--\$10,000
- National Marine Fisheries Service--Acoustic measurements on seal control devices--\$2,000
- U.S. Tuna Foundation--Acoustic detection of tuna and porpoise using a towed acoustic array--\$110,000

1980. Hubbs Sea World Research Institute--Vocal behavior of the Baikal seal, *Phoca sibirica*, at Lake Baikal, USSR--\$2,000
1974. Bell Museum of Natural History--Mating and parental behavior in *Microtus ochrogaster*--\$1,000
1973. Bell Museum of Natural History--Mating and parental behavior in *Microtus ochrogaster*--\$500

10. Committee Service:

Department of Biological Sciences, Western Illinois University

- Chair, Curatorial Committee, 2004
- Search Committee for Ornithologist, 2004
- Chair Evaluation Committee, 2004
- Personnel Committee 1993, 1997, 2004-2006
- Kibbe Committee 1989-1994
- Graduate Committee 1989-1993, 2007-present

College Level Committees, Western Illinois University

- Criteria 4, NCIC Reaccreditation Committee, 2008-2009
- Ad hoc* Committee on Distance Learning, Faculty Senate, 2008-2009

University Level Committees, Western Illinois University

- Faculty Senate representative for WIUQC, 2004 one semester
- Chair of WIUQC Faculty Council, 2002-2003
- Member of WIU Faculty Council, 2004-2009

Society and Organization Committees

- Member, American Society of Mammalogists Marine Mammal Committee 2005-present
- Member, Research Committee of Shedd Aquarium, 2005-present
- Member, Research Committee of Niabi Zoo Conservation Science Center, 2007-present

11. Other Professional Information:

2009. Editor of *Aquatic Mammals*
 Advisor for Center of Independent Experts
 Scientific advisor to Joint Industry Program
2008. Editor of *Aquatic Mammals*
 Scientific advisor to Joint Industry Program
2007. Editor of *Aquatic Mammals*
 Negotiated partnership between the European Association of Aquatic Mammals and the International Association of Marine Mammal Trainers. For support of publication of *Aquatic Mammals*.
2006. Editor of *Aquatic Mammals*
 Negotiated partnership between the European Association of Aquatic Mammals and the Alliance of Marine Mammal Parks & Aquariums. For support of publication of *Aquatic Mammals*.
2005. WIU Distinguished Faculty Lecturer, topic: Noise pollution in the ocean: a whale of problem.
 Editor of *Aquatic Mammals*, increased to 4 issues per year.
 Negotiated partnership between the European Association of Aquatic Mammals and the European Cetacean Society for support of *Aquatic Mammals*.
 Member of a Panel for developing acoustic criteria on noise exposure to marine mammals, sponsored by National Marine Fisheries Service.
 Invited Symposium organizer for the Acoustical Society of America, entitled Temporal Patterns in Marine Mammal Sound Production, October 2005.
 Advisor for Center of Independent Experts
2004. Editor of *Aquatic Mammals*
 Member of a Panel for developing acoustic criteria on noise exposure to marine mammals, sponsored by National Marine Fisheries Service.
 Participant in Radio Program by BBC on Sounds of Life, Two half-hour episodes airing September 2004
 Chair, The Society for Marine Mammalogy, Committee of Scientific Advisors

2003. Editor of *Aquatic Mammals*.
Facilitator and member of a Panel for developing acoustic criteria on noise exposure to marine mammals, sponsored by National Marine Fisheries Service.
2002. Chaired session at the Acoustical Society of America Meeting, Atlanta, Georgia
Editor of *Aquatic Mammals*.
Facilitator and member of a Panel for developing acoustic criteria on noise exposure to marine mammals, sponsored by National Marine Fisheries Service.
2001. Editor of *Aquatic Mammals*.
Facilitator and member of a Panel for developing acoustic criteria on noise exposure to marine mammals, sponsored by National Marine Fisheries Service.
Chaired session at the Acoustical Society of America Meeting, Chicago, IL
Invited task Member MTAC meeting, Tampa, Florida
2000. Editor of *Aquatic Mammals*, Scientific Journal of the European Association for Aquatic Mammals.
Leader of workshop sponsored by the National Marine Fisheries Service to establish acoustic criteria for exposure of noise to marine mammals.
Scientific Advisor, Marine Mammal Commission
Review Board, Acoustic Thermography of Ocean Climate Project
1999. Scientific Advisor, Marine Mammal Commission
Review Board, Acoustic Thermography of Ocean Climate Project
Western Illinois University Distinguished Alumni Award
Selected as senior editor and organizer for conference on Biological Sonars to be held in Portugal,
- 1998 National Science Foundation Workshop participant on developing a research cruise to assess Antarctic Pack Ice Seals, Seattle
Established laboratory of sensory biology, with facilities at Western Illinois University and Shedd Aquarium
Scientific Advisor, Marine Mammal commission
Review Board, Acoustic Thermography of Ocean Climate Project
Western Illinois University Faculty Excellence Award
Organizer of Symposium for American Society of Mammalogists Conference entitled Comparison of Bat and Dolphin Echolocation, June, Grand Forks, North Dakota
Interviewed for BBC Natural History Radio special on Orchestra Under the Waves
Scientific Advisor, Marine Mammal Commission
Review Board, Acoustic Thermography of Ocean Climate Project
1995. Western Illinois University College of Arts and Sciences Faculty Researcher of the Year
Western Illinois University Faculty Excellence Award
President, the Society for Marine Mammalogy; presided a biennial meeting in Orlando, FL, convened two bard meetings during the year
Scientific Advisor, Marine Mammal Commission
Member, American Society Mammalogist Committee on Marine Mammals
Review Team Member for Research Objectives of Marine Mammal Program at the Shedd Aquarium
Host for Dr. Alexander Supin, Russian Academy of Science, 2-day visit to Shedd Aquarium
Presentation at Western Illinois University Noon Brown Bag Lunch Sponsored by Women's Center entitled Research in the Antarctic, a Woman's Perspective
Presenter at 15th Annual Western Illinois University Biology Day, April 1995
Scientific advisor Acoustic Thermometry of Ocean Climate (ATOC) Project
Member, Research Committee, Shedd Aquarium
Nominated for Western Illinois University Annual Faculty Lecturer
Board Member for Western Illinois University Women's Center
Guest Speaker at Northern Illinois University Biology Department, Buda High School Biology class, and Geneseo first and third grade
Reviewer for journal articles in *Aquatic Mammals*, *Canadian Journal of Zoology*, *Marine Mammal Science*, *Australian Journal of Zoology*, and *Journal of Mammalogy*
Reviewer of articles in books: *Marine Mammals, Volume I* and *The Biology of Harbour Porpoise*
Scientific advisor Acoustic Thermometry of Ocean Climate (ATOC) Project
Western Illinois University Faculty Excellence Award
Scientific Advisor, Marine Mammal Commission

- President, The Society for Marine Mammalogy
 Member, American Society of Mammalogist, Committee on Marine Mammals
1993. Appointment as Scientific Advisor, Marine Mammal Commission, Washington, D.C.
 President, The Society for Marine Mammalogy
 Phi Kappa Phi, Faculty Initiate
 Western Illinois University Faculty Excellence Award
1992. Western Illinois University Faculty Excellence Award
 President-elect of The Society for Marine Mammalogy
 Western Illinois University Affirmative Action Council Member
 Illinois Endangered Species Board and Mammal Technical Committee Member
 Research Committee, Shedd Aquarium, Chicago, IL
 Quality Control Board, Minerals Management Service Project on Monitoring Abundance of Whales in the Gulf of Mexico
 American Society of Mammalogists, Committee on Marine Mammals Member
1991. Nominated for President-elect of The Society for Marine Mammalogy, election to be held in early
1992. Nominated for Illinois Endangered Species Board and Mammal Technical Committee of the IESB
 Chair, American Society of Mammalogists, Committee on Marine Mammals
 Chair, Membership of The Society for Marine Mammalogy
 Member, Research Committee of Shedd Aquarium
 Western Illinois University Affirmative Action Council Member
 Western Illinois University Faculty Senate Representative for Affirmative Action Council
 Western Illinois University Sigma Xi Club Research of the Year Award
 Western Illinois University Biology Education Conference Demonstrator
 Consultant, Science Museum of Minnesota, Antarctic Seal Display
 Consultant, North Carolina State Museum, Animal Sounds Display
 Mentor for National Science Foundation Young Scholars Program
 Elected, Outstanding Young Women of America for 1991
 Lecturer, University of Illinois Veterinary School--Husbandry of Marine Mammals-what every veterinarian should know
 Quality Control Board, Minerals Management Service Project on Monitoring Abundance of Whales in the Gulf of Mexico
 Consultant, Hearing Study on Manatee with Florida Atlantic University
1990. Lecturer, N.E. Missouri State University--Vocal behavior of Antarctic seals
 Chair, Marine Mammal Committee, American Society of Mammalogists
 Chair, Membership Committee, The Society for Marine Mammalogy
 Western Illinois University Biology Education Conference Demonstrator
1989. Chair, Marine Mammal Committee, American Society of Mammalogists
 Chair, Membership Committee, The Society for Marine Mammalogy
 Western Illinois University Biology Education Conference Demonstrator
 Guest scientist on Wee Wonders television series, sponsored by National Science Teacher's Association and funded by the National Science Foundation
 Co-convenor, symposium on Cetacean Sensory Abilities, 5th International Theriological Congress in Rome, Italy
 Consultant, New Zealand Public Television, videotape on seals in Antarctica
 Team member, National Marine Fisheries Service, Hawaiian Monk Seal Recovery Team
1988. Scientific writing award, Naval Ocean Systems Center
 Consultant for Education Department, Sea Life Park, Hawaii
 Team member, National Marine Fisheries Service, Hawaiian Monk Seal Recovery Team
1987. Team member, National Marine Fisheries Service, Hawaiian Monk Seal Recovery team
1986. Consultant, National Marine Fisheries Service, International North Pacific Fishing commission, meeting and review of research, Tokyo
 Team member, National Marine Fisheries Service, Hawaiian Monk Seal Recovery Team
1985. Workshop participant, Acoustic harassment devices used on pinnipeds near fishing activities, Sea Grant program
 Honoree in Esquire Register: Men and women under forty who are changing the nation
 Program Reviewer, National Marine Fisheries Service, Marine Mammal Laboratory
 Workshop Participant, Marine Mammal Commission, Review of methods to control

- movement of sea otters
 Program Manager, Minerals Management Service, Sea otter oil spill mitigation study
1984. Workshop Participant, Marine Mammal Commission, Possible alternatives to the present practice of setting on porpoise to catch yellow fin tuna
 U.S. Science Representative to Kahoka, USSR, under Joint US/USSR Agreement on Environmental Protection, Sea Otter Workshop
 Consultant, University of Nevada, Natural History Museum, audio-visual presentation on sounds in the ocean
 Congressional Honoree, State of California, California Women in Government's Tribute to Women for 1984
 Who's Who in California, 1984
 Consultant on children's book, *Seals of the World*, by Phyllis Evans, Sea World Press
 Consultant for Education Department, Sea World, Inc.
 Consultant for Public Displays, Sea World, Inc.
1983. Reviewer, Marine Mammal Acoustics, Arctic Pilot Project, Petro-Canada
 Reviewer, Hearing in Marine Mammals, Natural Resources Defense Council
1981. Chief Scientist, research vessel, Acoustic and behavioral investigations on Atlantic spotted porpoise in the Bahamas
 Feature article "Baikal Seals Welcome U.S. Guests" in *Soviet Life*, February 1981
 Feature chapter "Voice of the Seal" in *New Explorers, Women in the Antarctic*, by Barbara Land. Dodd & Mead, Publishers, 1981
 Feature in CBS Universe television series on Antarctic research
1980. Reviewer, Marine Mammal Commission, Research on Hawaiian Monk Seals
 Chief Scientist, Coast Guard Icebreaker, *Glacier*, Acoustic survey of geographic variations in populations of killer whales and minke whales in the Antarctic
 Chief Scientist, *MV Queen Mary*, Acoustical study using a towed array of hydrophones to monitor marine mammals in the eastern tropical Pacific
 U.S. Science Representative to Lake Baikal, Joint US/USSR Agreement on Environmental Protection
1979. U.S. Science Representative for National Science Foundation to USSR Antarctic base at Vostok, Geographic South Pole station
 U.S. Congressional Antarctic Service Medal
 Field assistant, Telemetry investigations on movements of sea otters in California
 Field Assistant, Telemetry investigations on movements of seals
 Field Party Leader, Population Assessment of Weddell seals in McMurdo Sound, Antarctica
1978. Field Assistant, Behavioral investigations of sea otters in Prince William Sound, Alaska
 Field Assistant, Behavioral investigations of sea otters in California
 Field Assistant, Population Assessment of Leopard and Crabeater seals in Palmer Peninsula, Antarctica
1977. Field Party Leader, Telemetry studies on Weddell seals and Antarctic cod in McMurdo Sound, Antarctica
1976. Field Assistant, Population Assessment of Weddell seals in McMurdo Sound, Antarctica
 1970-73 Recipient, Illinois State Teacher's Scholarship

12. Graduate students who have completed master's theses under supervision of J.A. Thomas:

2009. Coulomb, C. Diel patterns of underwater vocalizations of Weddell seals in the Antarctic during two Breeding Seasons.
 Rose, A. The Effects of Varying Levels of Aquarium Noise on Behavioral and Physiological Stress Responses in two Species of Freshwater Fishes: Flathead Minnow (*Pimephales promelas*) and Bluegill Sunfish (*Lepomis macrochirus*).
 Gitter, S. Whistle Repertoire and Geographic Variation in the Whistles of Striped Dolphins (*Stenella coeruleoalba*) in the Ligurian Sea of the Mediterranean.
 McCreery, L. Acoustical Analysis of Underwater Vocalizations from Crabeater seals, *Lobodon carcinophagus*.
 Loeding, E. Investigating the Impacts of a Female to Female Introduction on Hormone Levels in Sable Antelope (*Hippotragus niger*).
2008. Walter, E. Visual discrimination of an Asian elephant using match-to-sample.
 Crowell, S. Diel patterns in underwater vocalizations of bottlenose dolphins at the

- Brookfield Zoo during consecutive removals of adult males from the breeding Population.
- Crean, J. High school genetics curriculum using the Brookfield Zoo.
2007. Fuhs, V. Spatial relationships of mother-calf pairs within Hawaiian spinner dolphins (*Stenella longirostris*).
- Hasselberg, B. Use of a laser thermometer for monitoring microhabitat selection in captive California sea lions (*Zalophus californianus*).
- Ostrego, L. Behavioral enrichment of harbor seals at the John G. Shedd Aquarium.
- Clark, M. Underwater vocal behavior by harbor seals at the Brookfield Zoo.
2006. Bergren, R. Spatial relationships of mother and pup Weddell seals over the breeding season.
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- Richlen, M. Antarctic killer whale vocalizations: Preliminary analysis of McMurd Sound killer whale (*Orcinus orca*) repertoire.
- Potter-Hensen, J. Analysis of behavior and vocalizations in captive mountain lions at Wildlife Prairie Park.
2004. Mohan, H. Foraging behavior in white-tailed kites.
2003. Brickman, J. 2003. Factors influencing call usage of the Pacific white-sided dolphin, *Lagenorhynchus obliquidens*, at the John G. Shedd Aquarium. Master of Science.
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- Augustine, A. 2003. The Cat's Meow: relationships between domestic cat vocalization features and physical characteristics. Master of Science.
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- Heinemeyer, H., 2002. Patterns of echolocation in a group of semi-captive Atlantic bottlenose dolphins (*Tursiops truncatus*) in Roatan, Honduras. Master of Science.
2000. Noe, B. 2000. Analysis of surface vocalizations from mother and pup Weddell seals (*Leptonychotes weddellii*). 31 pp. Master of Science
- Cope, M. R. 2000. Effects of boat activity on bottlenose dolphins, *Tursiops truncatus*, in the near shore waters of South Beach, Hilton Head Island, South Carolina. 70 pp., Master of Science.
1999. Fahner, M. A. 1999. Acoustic properties of echolocation signals by captive Pacific white-sided dolphins (*Lagenorhynchus obliquidens*). 19 pp., Master of Science
- Schneider, T. M. 1999. Survey of small mammals at Manikowski Prairie, Clinton County, Iowa. 64 pp., Master of Science
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1998. DeMarr, M. A.. 1998. Microtopographical influences on thirteen-lined ground squirrel (*Spermophilus tridecemlineatus*) burrow placement in West Lake Park, Iowa. 28 pp., Master of Science
1997. Welling, J. D. 1997. An acoustic survey of bats in Lake Argyle State Park. 22 pp., Master of Science
1996. Tremel, D.P. 1996. Underwater hearing sensitivity of Pacific white-sided dolphin, *Lagenorhynchus obliquidens*. 37 pp., Master of Science
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- Orban, A. Adjunctive behaviors by a Pacific white-sided dolphin during hearing tests. Master of Science. 56 pp.
1995. Peterson, L. M.. 1995. Effectiveness of using a Trailmaster infrared sensor for monitoring activity of captive coyotes. Master of Science, 48 pp.

1994. Hollis, K. M. 1994. Comparison of implanted transponder chips and toe clips as marking techniques for small mammals. Master of Science. 26 pp.
- Rothering, A. A. 1994. Home range of adult raccoons pre- and post- removal of a same-sex neighbor in West-Central Illinois. Master of Science. 49 pp.
- Presley, S. J. 1994. Small mammals of McDonough County, Illinois. Master of Science 148 pp.,
1993. Chapman, E. S. 1993. Older sibling care in prairie voles, *Microtus ochrogaster*. 61 pp., Master of Science
1985. Yochem, P. 1985. Haulout behavior in pinnipeds on Channel Islands, California. Master of Science, San Diego State University, San Diego, CA (publication format)
1984. Kastelein, R. 1984. Hearing thresholds measurements and responses to Belukha whales to playbacks of underwater drilling noise. Doctorate of Philosophy, Agricultural University, Amsterdam, Holland (publication format)

Graduate students currently working on a master's thesis under the supervision of J.A. Thomas:

Mindach, D. Silence as an anti-predation strategy by Weddell seals in response to leopard seals and killer whale sounds.

Rushing-Anderson, K. Behavioral enrichment of California sea lions at the Peoria Zoo through water sprinklers and hoses.

Kelley, M. Ultrasonic sound production in belugas and Pacific white-sided dolphins at the Shedd Aquarium.

Oliver, M. Insect abundance in three habitats in Illinois during summer months.

Schahl, J.. Temperature regulation in giraffe legs and neck.

Paccione, W. Olfactory enrichment in captive black bears at Niabi Zoo

Kuchuki, N. Olfactory versus visual discrimination of food in Phylostomid bats at the Peoria Zoo.

Stalf, C. Match-to-sample discrimination among four three-dimensional objects by an Asian elephant.

Arras, H. Stimulus size and discrimination abilities of an Asian elephant.

Wehmeyer, A. Behavior of captive Asian elephants during visit by circus elephants.

Monaco-Torelli, L. Assessment of the effects of training to reduce stress in dogs through fecal hormone analysis.

Silpa, M. Examining phantom limb syndrome in dogs with docked tails using thermal imagery.

Stansbury, Amanda. Behavioral Hearing Tests in Arctic fox.

Friel, B. Behavioral enrichment of Gabriella's crested gibbons through music.

Amsden, Brandie. Weight gain in Weddell seal pups.

Jurich, E. Hierarchy behavior in Barbary Sheep at the Niabi Zoo.

Munoz, Gabriela. Acoustic analysis of wild and captive Mediterranean monk seals.

13. Undergraduate Students who have completed honors theses under the supervision of J.A. Thomas:

1994. Golladay, C. 1994. Analysis of geographic variation in leopard seal underwater vocalizations using Principle Component Analysis. 91 pp., Bachelor of Science

1993. Jones, B. 1993. A vocal analysis of Weddell seal mothers and pups (*Leptonychotes weddellii*). 44 pp., Bachelor of Science

1991. Genovese, E. 1991. Sibling care activities of the prairie vole, *Microtus ochrogaster*. 25 pp., Bachelor of Science with Departmental Honors

Presley, S. 1991. Comparison of the use of transponder chips and toe clips in a mark recapture study of the white-footed mouse (*Peromyscus leucopus*). 50 pp., Bachelor of Science with Departmental Honors