

Bibliography (in reverse date order):

Payne, R.S. and W.H. Drury, Jr. 1958. Marksman of the darkness (*Tyto alba*). *Natural History*, 67(6): 316-323.

Eisner, T., F. McKittrick, and R. Payne. 1959. Defense sprays of roaches. *Pest Control*, 27(6): 9-12.

Payne, R.S. 1961. Acoustic orientation of prey by the barn owl, *Tyto alba*. Cambridge, MA: Harvard University, Division of Engineering and Applied Physics, Technical Report No. 1, 67p.

Payne, R.S. 1962. How the barn owl locates prey by hearing. *Living Bird*, 1: 151-159.

Roeder, K.D. and R. Payne. 1965. Acoustic orientation of a moth in flight by means of two sense calls. *Symp. Soc. Exper. Biol.*, 20: 251-272.

Payne, R.S.; K.D. Roeder; and J. Wallman. 1966. Directional sensitivity of the ears of noctuid moths. *J. Exper. Biol.*, 44(1): 17-31.

Payne, R. 1967. How owls hunt - Part 1. *Nature and Science*, 4(9): 4-7.

Payne, R. 1967. How owls hunt - Part 2, When an owl strikes. *Nature and Science*, 4(10): 15-18.

Payne, R.S. 1968. How barn owls hunt. New York: McGraw Hill, 30p.

Payne, R.S. 1969. Among wild whales. *Log of the Mystic Seaport*, 21: 2-8.

Payne, R. 1970. Songs of the humpback whale. (Phonograph record with accompanying 36p. book). Del Mar, CA: CRM Books. SWR-11.

Payne, R. 1970. Songs of the humpback whale. (Phonograph record). New York: Capitol Records. ST-620.

Payne, R.S. and S. McVay. 1971. Songs of humpback whales. *Science*, 173: 585-597.

Payne, R.S. and D. Webb. 1971. Orientation by means of long-range acoustic signaling in baleen whales. In Orientation: Sensory basis. H.E. Adler (editor), *Ann.N.Y.Acad.Sci.*, 188: 110-141.

Payne, R.S. 1971. Acoustic location of prey by barn owls (*Tyto alba*). *J.Exp.Biol.*, 54(3): 535-573.

Payne, R.S. 1971. Whales and the Endangered Species Conservation Act. *The Sciences*, 11: 18.

- Payne, R.S. and K. Payne.** 1971. Underwater sounds of southern right whales. *Zoologica*, 56: 159-165.
- Payne, R.S.** 1972. The song of the whale. In *Marvels of animal behavior*. P. Marler (editor), Washington, D.C.: Nat.Geo.Soc., p. 144-167.
- Payne, R.S.** 1972. Swimming with Patagonia's right whales. *Nat. Geogr.*, 142: 576-587.
- Payne, R.S.** 1974. A playground for whales. *Animal Kingdom*, 77: 7-12.
- Mead, J. and R. Payne.** 1975. A specimen of the Tasman beaked whale, *Tasmacetus shepherdi*, from Argentina. *Journal of Mammal*, Vol. 56, No. 1 (Feb., 1975), pp 213-218.
- Payne, R.S.** 1976. At home with right whales. *Nat. Geogr.*, 149: 322-341.
- Payne, R.S.** 1977. Behavior and vocalizations of humpback whales (*Megaptera noveangliae*). In Report of a workshop on problems related to humpback whales in Hawaii. K.S. Norris and R.R. Reeves (editors), Springfield, VA: NTIS, PB280 794, appendix 8: 1-13.
- Payne, R.S. and K. Payne.** 1977. Bewertung der walpopulation durch photogrammetrie - technik. *Bild der Wissenschaft*, 14(12): 4249.
- Payne, R.** 1977. Deep Voices. (Phonograph record). New York: Capitol Records. ST-11598.
- Payne, R.S.** 1979. Humpbacks: Their mysterious songs. *Nat. Geogr.*, 155: 18-25 + soundsheet.
- Payne, R.S.** 1979. The songs of whales. In *Project Interspeak*, T. Wilkes (editor), Hollywood, CA: Project Interspeak, Inc., p. 65-68.
- Payne, R.S.** 1980. Research on behavior of various species of whales. In National Geographic Society Research Reports, Vol. 12, Washington, D.C.: National Geographic Society, p. 551-564.
- Payne, R., O. Brazier, E. Dorsey, J. Perkins, V. Rowntree, and A. Titus.** 1981. External features in southern right whales (*Eubalaena australis*) and their use in identifying individuals. Springfield, VA: NTIS PB81-161093, 77p.
- Whitehead, H. and R. Payne.** 1981. New techniques for measuring whales from the air. Springfield, VA: NTIS PB81-161143, 36p.
- Payne, R.** 1981. Schweitzer medal acceptance speech. Information Report, Animal Welfare Institute, 30(1): 1-2.

Payne, R. 1982. New light on the singing whales. *Nat. Geogr.*, 161: 462-477.

Roger Payne and Victoria Rowntree. Observations of the Southern Right Whale (*Eubalaena australis*) Relevant to the Management of Right Whale Populations. Northeast Fisheries Science Center Reference Document 92-05, October 1982, 58-59

Wursig, B., C.W. Clark, E.M. Dorsey, M.A. Fraker, and R.S. Payne. 1982. Normal behavior of bowheads. *In* Behavior, disturbance responses and feeding of bowhead whales, *Balaena mysticetus*, in the Beaufort Sea, 1980-81. W.J. Richardson (editor), p.33-143. Chapter by New York Zoological Society in Unpubl.Rep. from LGL Ecol.Res.Assoc., Inc., Bryan, TX, for U.S. Bureau of Land Management, Washington.

Payne, Roger, Ollie Brazier, Eleanor M. Dorsey, Judith S. Perkins, Victoria, and A. Titus. 1983. External Features in Southern Right Whale, *Eubalaena australis*, and Their Use in Identifying Individuals. pp. 371-445 *In*: R. Payne, ed., Communication and Behavior of Whales. Boulder, Colorado: Westview Press.

Payne, K., and R.S. Payne. 1985. Large-scale changes over 17 years in songs of humpback whales in Bermuda. *Z TIERPSYCHO* 68 : 89-114.

Payne, K; P. Tyack; and R. Payne. 1983. Progressive changes in the songs of humpback whales (*Megaptera novaeangliae*): A detailed analysis of two seasons in Hawaii. *In* Communication and behavior of whales. AAAS Selected Symposia Series 76, R. Payne (editor), Boulder, CO: Westview Press, Boulder, CO, 643p.

Payne, R., O. Brazier, E.M. Dorsey, J.S. Perkins, V.J. Rowntree, and A. Titus. 1983. External features in southern right whales (*Eubalaena australis*) and their use in identifying individuals. *In* Communication and behavior of whales. covered in p. 371-445.

Payne, R. and E.M. Dorsey. 1983. Sexual dimorphism and aggressive use of callosities in right whales (*Eubalaena australis*). *In* Communication and behavior of whales. AAAS Selected Symposia Series 76, R. Payne (editor), Boulder, CO: Westview Press, p. 295-329.

Payne, R. and L.N. Guinee. 1983. Humpback whale (*Megaptera novaeangliae*) songs as an indicator of "stocks". *In* Communication and behavior of whales. AAAS Selected Symposia Series 76, R. Payne (editor), Boulder, CO: Westview Press, p. 333-358.

Payne, R. 1984. Forward. *In* S.M. Minasian, K.C. Balcomb, III, and L. Foster. The world's whales--the complete illustrated guide, p. 9. Smithsonian Books, Washington, D.C.

Payne, R. and V.J. Rowntree. 1984. Ballenas francas australes un catalogo fotografico de ballenas individuales avistadas en las Aguas Alrededor de la Peninsula Valdes, Argentina. Buenos Aires: La Fundacion Alfredo Fortabat, various pagination.

Wursig, B., E.M. Dorsey, M.A. Fraker, R.S. Payne, W.J. Richardson, and R.S. Wells. 1984. Behavior of bowhead whales, *Balaena mysticetus*, summering in the Beaufort Sea: Surfacing, respiration and dive characteristics. *Can. J. Zool.* 62(10): 1910-1921.

Wursig, B., E.M. Dorsey, W.J. Richardson, C.W. Clark, R. Payne, and R.S. Wells. 1984. Normal behavior of bowheads, 2983. In Behavior, disturbance responses and distribution of bowhead whales, *Balaena mysticetus*, in the eastern Beaufort Sea, 1983. W.J. Richardson (editor), p. 23-99. Unpubl. Rep. from LGL Ecol.Res.Assoc., Bryan, TX, for U.S. Minerals Management Service, Reston, VA.

Payne, K. and R. Payne. 1985. Large scale changes over 19 years in songs of humpback whales in Bermuda. *Zeitschrift fur Tierpsychologie.* 68: 89-114.

Payne, R. 1985. Suggestions of a whale watcher. In N. Griffis (ed.), The mariner's guide to oceanography, p. 25-38. Hearst Marine Books, NY.

Payne, R. 1986. Long term behavioral studies of the southern right whale (*Eubalaena australis*). In Right whales: Past and present status. R.L. Brownell Jr., P.B. Best and J.H. Prescott (eds.), *Rep.Int.Whal.Commn.* (special issue 10): 161-167.

Whitehead, H., R. Payne, and P.M. Payne. 1986. Population estimate for the right whales off Peninsula Valdés, Argentina 1971-1976. In Right whales: Past and present status. R.L. Brownell, Jr., P.B. Best and J.H. Prescott (eds.), *Rep.Int.Whal.Commn.* (special issue 10): 169-171.

Wursig, B., E.M. Dorsey, M.A. Fraker, R.S. Payne, and W.J. Richardson. 1988. Behavior of bowhead whales, *Balaena mysticetus*, summering in the Beaufort Sea: A summary. *Rep.Int.Whal.Commn.* (Special Issue).

Wursig, B., E.M. Dorsey, M.A. Fraker, R.S. Payne, and W.J. Richardson. 1988. Behavior of bowhead whales, *Balaena mysticetus*, summering in the Beaufort Sea: A description. Submitted to *Fish.Bull.*

Payne, R. and V. Rowntree. 1988. Estudios de la Ballena franca australis a Largo Plazo. Resúmenes de la 4a Reunión de Expertos de Mamíferos Acuáticos de Sud América. Montevideo, Uruguay.

Payne, R., J. Seger, V. Rowntree, and J.S. Perkins. 1989. Persistent associations of right whale mothers and calves. Abstract and paper presented to the Eighth Biennial Conference on Marine Mammals, Monterey, California, December, 1989.

Payne, R. 1989. Comportamiento Acústico de las ballenas jorobadas (*Megaptera novaeangliae*). *Ciencias del Mar*, VI Seminario Nacional. Gran Preemio Editorial LTD. Bogotá, Colombia. pp. 6167.

Payne, R., V. Rowntree, J.S. Perkins, J.G. Cooke, and K. Lankester. 1990. Population size, trends, and reproductive parameters of right whales (*Eubalena australis*) off Peninsula Valdés, Argentina. In Individual recognition of cetaceans: use of photoidentification and other techniques to estimate population parameters. P.S. Hammond, S.A. Mizroch and G.P. Donovan (eds.) Rep.Int.Whal.Comm. (Special Issue 12): 271-278.

Payne, R. 1991. Forward. In: Where the whales are: your guide to whale watching trips in North America. by P. Corrigan. 327 pp. The Globe Pequot Press, Chester, CT.

Schaeff, C. S.D. Draus, M. Brown, J. Perkins, R. Payne, D. Gaskin, P. Boag and B. White. 1991. Preliminary analysis of mitochondrial DNA variation within and between the right whale species *Eubalena glacialis* and *Eubalena australis*. Rept. Int. Whal. Comm. (Special Issue 13): 217-223.

Amos, W., H. Whitehead, M.J. Ferrari, D.A. Glockner-Ferrari, R. Payne and J. Gordon. 1992. Restrictable DNA from sloughed cetacean skin: its potential for use in population analysis. Marine Mammal Science 8(3): 275-283.

Best, P., R. Payne, V. Rowntree, J.T. Palazzo and M.D.C. 1993. Long-range movements of South Atlantic right whales *Eubalena australis*. Marine Mammal Science 9(3): 227-234.

Payne, R. 1994. *Among Whales*. Natural History 103(1): 40-47.

Payne, R. 1994. Voices From the Sea. In: *Talking on the Water, Conversations about Nature and Creativity*. Jonathan White, Ed. pp 19-36

Payne, R. 1995. *Among Whales*. Charles Scribner's Sons. New York. 431 pp

Payne, R. 1995. *Humpbacks: Their mysterious songs*. IN: *The Presence of Whales*, Edited by Frank Stewart, Alaska Northwest Books, Seattle. Pp 100-105.

Catherine M. Schaeff, Scott D. Kraus, Moira W. Brown, Judy S. Perkins, Roger Payne, Bradley N. White. Comparison of genetic variability of North and South Atlantic right whales (*Eubalena*), using DNA fingerprinting. *Canadian Journal of Zoology*, 1997, 75:(7) 1073-1080.

Rowntree, V.J., P. MacGuinness, K. Marshall, R. Payne, J. Seger, and M. Sironi. 1998. Increased harassment of right whales (*Eubalena australis*) by kelp gulls (*Larus dominicanus*) at Peninsula Valdés, Argentina. Marine Mammal Science 14(1): 99-115.

Moore, M.J., S.D. B.D. Berrow, B.A. Jensen, P. Carr, R. Sears, V.J. Rowntree, R. Payne, P.K. Hamilton. 1999. Relative abundance of large whales around South Georgia (1979-1998). Marine Mammal Science 15(4):1287-1302.

Schaeff, C.M., P.B. Best, V.J. Rowntree, R. Payne, C. Jarvis, V.A. Portway. 1999. Dorsal skin color patterns among Southern Right Whales (*Eubalaena australis*): Genetic Basis and evolutionary significance. *The Journal of Heredity* 90(4):464-471.

Cooke, J.G., R. Payne and V.J. Rowntree. 1999. Estimates of demographic parameters for southern right whales (*Eubalaena australis*) observed off Peninsula Valdes, Argentina. *The Journal of Cetacean Research and Management*.

Rosenbaum, H.C., R.L. Brownell Jr., M.W. Brown, C. Schaeff, V. Portway, B.N. White, S. Malik, L.A. Pastene, N.J. Patenaude, C.S. Baker, M. Goto, P.B. Best, P.J. Clapham, P. Hamilton, M. Moore, R. Payne, V. Rowntree, C.T. Tynan, J.L. Bannister and R. DeSalle. 2000. Worldwide genetic differentiation of *Eubalaena*: questioning the number of right whale species. *Molecular Ecology* 9:179 differentiation 3-1802.

Schell, D.M., Rowntree, V.J. and Pfeiffer, C.J. 2000. Stable isotope and electron microscopic evidence that cyamids (Crustacea: Amphipoda) feed on whale skin. *Canadian Journal of Zoology* 78:721-727.

Rowntree, V. J., R.S. Payne and D.M. Schell. 2001. Changing patterns of habitat use by southern right whales (*Eubalaena australis*) on their nursery ground at Peninsula Valdes, Argentina, and in their long-range movements. *J. Cetacean Res. Manage.* (Special Issue) 2: 133-143.

Cooke, J. G., R. Payne and V.J. Rowntree. 2001. Estimates of demographic parameters for southern right whales (*Eubalaena australis*) observed off Peninsula Valdes, Argentina. *Journal of Cetacean Research and Management* (Special Issue) 2: 125-132.

Patricia M. Gray, Bernie Krause, Jelle Atema, Roger Payne, Carol Krumhansl, and Luis Baptista. The Music of Nature and the Nature of Music. *Science*, 5 January 2001: 52-54.

Payne, R. 2002. Foreword for *Wild Soundscapes* By Bernie Krause, Wilderness Press, Berkeley. xi-xv

Madsen, P., R. Payne, N. Kristiansen, M. Wahlberg, I. Kerr, and B. Mohl. 2002. Sperm whale sound production studied with ultrasound-time-depth-recording tags. *J. Exp. Biol.* 205: 1899-1906.

Madsen, P. T., Kerr, I., and Payne, R. 2004. "Echolocation clicks of two free-ranging, oceanic delphinids with different food preferences: False killer whales *Pseudorca crassidens* and Risso's dolphins *Grampus griseus*," *J. Exp. Biol.* 207, 1811-1823.

Celine Godard, Rebecca Clark, Iain Kerr, Peter Teglberg Madsen, Roger Payne. 2004 Preliminary Report on the Sperm Whale Data Collected During the Voyage of the Odyssey. Paper for meeting of IWC Scientific Committee, Sorrento Italy. 9 pp.

P. T. Madsen, I. Kerr and R. Payne 2004. Source parameter estimates of echolocation clicks from wild pygmy killer whales (*Feresa attenuata*) (L) J. Acoust. Soc. Am. 116 (4), Pt. 1, 1909-1912

Celine A. Godard, Roxanna M. Smolowitz, Joanna Y. Wilson, Roger S. Payne and John J. Stegeman. Induction of Cetacean Cytochrome P4501A1 by β -Naphthoflavone Exposure of Skin Biopsy Slices. *Toxicol. Sci.* (2004) 80 (2): 268-275.

R. A. Clark, P. T. Madsen, R. Payne, I. Kerr, C. M. Johnson, G. Johnson, R. C. Anderson and C. A. J. Godard. (Accepted for Publication) Cetacean sightings and acoustic detections in the off-shore waters of the Maldives during the northeast monsoon seasons of 2003 and 2004. *J. Cetacean Res. Manage.*

R. Leaper, J. Cooke, P. Trathan, K. Reid, V. Rowntree, R. Payne. 2005, The influence of environmental variables on southern right whale (*Eubalaena australis*) population dynamics in the southwest Atlantic. Paper # SC/56/SOS6 for 2005 IWC Scientific Committee Meeting.

Wise, S.S., Lacerte, C., Wise, Jr., J.P., Kerr, I.A.R., Payne, R., Evers, D., and Wise, Sr., J.P. Chromium Exposure and Its Toxicity in the Sperm Whale. Society of Environmental Chemistry and Toxicology (SETAC) Abstracts, p. 316, 2006.

Lacerte, C., Wise, S.S., Wise, Jr., J.P., Kerr, I.A.R., Payne, R., Evers, D., and Wise, Sr., J.P. Chromium Exposure and Its Toxicity in the Sperm Whale. Proceedings of the North Atlantic Chapter of the Society of Environmental Toxicology and Chemistry, June, 2006.

Nathalie J. Patenaude, Vicky A. Portway, Cathy M. Shaeff, John L. Bannister, Peter B. Best, Roger S. Payne, Vicky J. Rowntree, Mariana Rivarola, and C. Scott Baker. Mitochondrial DNA Diversity and Population Structure among Southern Right Whales (*Eubalaena australis*), *Journal of Heredity* 2007:98(2):147–157

Payne, R. 2007. Song of the Whale. Kadakowa Art and Science Publ., Tokyo. 205pp. (Published in Japanese only).

Wise, S.S., Wise, Jr, J.P., Xie, H., Mason M.D., Craig, G., Payne, R., Kerr, I.A.R., and Wise, Sr., J.P. The Cytotoxicity and Genotoxicity of Silver Nanoparticles in Sperm Whale Cells. Society of Environmental Chemistry and Toxicology (SETAC) Abstracts, p. 295, 2007.

Wise, S.S., Mason M.D., Holmes, A.L., Savery, L., Li Chen, T., Goodale, B., Shaffiey, F., Wise, Jr, J.P., Craig, G., Walter, R., Payne, R., Kerr, I., Spaulding, M., and Wise, Sr., J.P. Cytotoxicity and Genotoxicity of Silver Nanoparticles in Human and Marine Cell Lines. *Environmental and Molecular Mutagenesis*. 48(7): 606, 2007.

Wise, S.S., Lacerte, C., Wise, Jr., J.P., Kerr, I.A.R., Payne, R., Evers, D., and Wise, Sr., J.P. The Effects of Chromium Exposure and Its Toxicity in the Sperm Whale. Proceedings of the Biennial Meeting of PRIMO (Pollution Research in Marine Organisms), May, 2007.

Wise, S.S., Mason, M.D., Shaffiey, F., Li Chen, T., Goodale, B., Craig, G., Walter, R., Payne, R., Kerr, I.A.R., Winn, R. and Wise, Sr., J.P. The Cytotoxicity and Genotoxicity of Silver Nanoparticles in Target Species. Proceedings of the Biennial Meeting of PRIMO (Pollution Research in Marine Organisms), May, 2007.

Li Chen, T., Wise, S.S., Kraus, S., O'Hara, T., Kerr, I.A.R., Payne, R., and Wise, Sr., J.P. Genotoxicity of Mercury in the North Atlantic Right Whale (*Eubalaena glacialis*) and in the Sperm Whale (*Physeter macrocephalus*). Proceedings of the Biennial Meeting of PRIMO (Pollution Research in Marine Organisms), May, 2007.

Wise, S.S., Shaffiey, F., Lacerte, C., Payne, R., Kerr, I.A.R., Kraus, S., and Wise, Sr., J.P. The Effects of Chromium on Human, Sperm Whale and North Atlantic Right Whale Cells. Proceedings of the Biennial Meeting of PRIMO (Pollution Research in Marine Organisms), May, 2007

Wise S.S., Mason M.D., Shaffiey F., Li Chen, T., Goodale, B., LaCerte, C., Craig, G., Walter, R., Payne, R., Kerr, I., Kraus, S., and Wise, Sr. J.P. Comparative Toxicity of Silver Nanoparticles in Human, Marine Mammal and Fish Cells. Proceedings of the Annual Meeting of the Northeast Chapter of the Society of Toxicology, p. 27, October, 2008.

Wise, S.S., Payne, R., LaCerte, C., Wise, J., Gianios, Jr., C., Perkins, C., Zheng, T., Zhu, C., Kerr, I., and Wise, Sr., J.P. Chromium in Sperm Whales: A Global Assessment. Proceedings of the International Association of Aquatic Animal Medicine Conference, 3, May, 2008.

Mariano Sironi; Juan Carlos López; Roberto Bubas; Alejandro Carribero; Carlos García; Guillermo Harris; Edgardo Intriери; Miguel Iñíguez and Roger Payne. Predation by killer whales (*Orcinus orca*) on southern right whales (*Eubalaena australis*) off Patagonia, Argentina: effects on behavior and habitat choice. *J. Cetacean Res. Manage.* 2008 SC/60/BRG29.

Wise, Sr., J.P., Payne, R., Wise, S.S., LaCerte, C., Wise, J., Gianios, Jr., C., Thompson, W.D., Perkins, C., Zheng, T., Zhu, C., Benedict, L. and Kerr, I. A Global Assessment of Chromium Pollution using Sperm Whales (*Physeter macrocephalus*) as an Indicator Species. *Chemosphere*.75: 1461–1467, 2009.

.....

Wise, Jr., J.P., Wise, S.S., Mason, M.D., Li Chen, T., LaCerte C., Craig, G., Walter, R., Payne, R., Kerr, I., Kraus, S. and Wise, Sr., J.P. Toxicity of Silver Nanoparticles in Human, Marine Mammal and Fish Cells. Proceedings of the 2nd USAF ASC/AFRL ESOH Nanomaterial Workshop, 2009.

Alexander, A.M., Payne, R., Kerr, I., Wise, Sr., J.P., Steel, D., Baker, C.S. Circum-equatorial survey of mtDNA diversity in the sperm whale (*Physeter macrocephalus*): Voyage of the Odyssey. Proceedings of the 18th Biennial Conference of the Biology of Marine Mammals, p.11, 2009.

Payne, R., LaCerte, C., Wise, S.S., Gianios, Jr., C, Wise, J., Kerr, I., Thompson, W.D. and Wise, Sr., J.P. Tin Levels in Sperm Whale (*Physeter macrocephalus*) Skin Biopsies Collected from around the Globe during the Voyage of the Odyssey. Proceedings of the 18th Biennial Conference of the Biology of Marine Mammals, p.196, 2009.

Li Chen, T., LaCerte, C., Shaffiey, F., Wise, S.S., Payne, R., Kerr, I., Thompson, W.D. and Wise, Sr., J.P. Sperm Whale Skin Fibroblasts Are More Resistant to Hexavalent Chromium Toxicity than Human Skin Fibroblasts. Proceedings of the 18th Biennial Conference of the Biology of Marine Mammals, p. 143, 2009.

Wise, S.S., Mason, M.D., LaCerte, C., Li Chen, T., Craig, G., Walter, R., Payne, R., Kerr, I., Gianios, Jr., C., Wise, J., Thompson, W.D. and Wise, Sr., J.P. Silver nanoparticle toxicity in sperm whale (*Physeter macrocephalus*) cells and global distribution of silver levels in sperm whale skin tissue. Proceedings of the 18th Biennial Conference of the Biology of Marine Mammals, p. 278, 2009.

McNamara, L., Wise, S.S., LaCerte, C., Gianios, Jr., Wise, J., Payne, R., Kerr, I., Thompson, W.D. and Wise, Sr., J.P. Nickel Levels in Sperm Whale (*Physeter macrocephalus*) Skin Biopsies Collected from around the Globe during the Voyage of the Odyssey. Proceedings of the 18th Biennial Conference of the Biology of Marine Mammals, p. 162, 2009

Cain, S., LaCerte, C., Wise, S.S. Gianios, Jr., C., Wise, J., Payne, R., Kerr, I., Thompson, W.D. and Wise, Sr., J.P. Marine Mammal Sightings in the Indian Ocean Observed During the Voyage of the Odyssey. Proceedings of the 18th Biennial Conference of the Biology of Marine Mammals, p. 46, 2009.

Wise, Jr., J.P., LaCerte, C., Wise, S.S., Gianios, Jr., C., Wise, J., Payne, R., Kerr, I., Thompson, W.D., Mason, M.D. and Wise, Sr., J.P. Gold and Titanium Levels in Sperm Whale (*Physeter macrocephalus*) Skin Biopsies Collected from around the Globe during the Voyage of the Odyssey. Proceedings of the 18th Biennial Conference of the Biology of Marine Mammals, p. 278, 2009

Wise, Sr., J.P., Wise, S.S., LaCerte, C., Li Chen, T., Wise, J., Gianios, Jr., C., Payne, R., Kerr, I. and Thompson, W.D. Genotoxicity and Global Distribution of Chromium in Sperm Whale (*Physeter macrocephalus*) Skin Cells and Tissues. Proceedings of the 18th Biennial Conference of the Biology of Marine Mammals, p. 279, 2009.

Gianios, Jr., C., LaCerte, C., Wise, S.S., Wise, J., Payne, R., Kerr, I., Thompson, W.D. and Wise, Sr., J.P. Marine Mammal Sightings in the Pacific Ocean Observed During the Voyage of the Odyssey. Proceedings of the 18th Biennial Conference of the Biology of Marine Mammals, p. 90, 2009.

LaCerte, C., Wise, S.S., Shaffiey, F., Li Chen, T., Payne, R., Kerr, I., Thompson, W.D. and Wise, Sr., J.P. Comparison of Chromium Toxicity in Cells from Sperm Whales (*Physeter macrocephalus*) and Steller Sea Lions (*Eumetopias jubatus*). Proceedings of the 18th Biennial Conference of the Biology of Marine Mammals, p. 136, 2009

Kerr, I., LaCerte, C. Wise, S.S., Gianios, Jr., C., Wise, J., Evers, D., Payne, R., Thompson, W.D. and Wise, Sr., J.P. Mercury Levels in Sperm Whale (*Physeter macrocephalus*) Skin Biopsies Collected from around the Globe during the Voyage of the Odyssey. Proceedings of the 18th Biennial Conference of the Biology of Marine Mammals, p. 128, 2009.

Wise, J., LaCerte, C., Wise, S.S., Gianios, Jr., C., Payne, R., Kerr, I., Thompson, W.D. and Wise, Sr., J.P. Lead Levels in Sperm Whale (*Physeter macrocephalus*) Skin Biopsies Collected from around the Globe during the Voyage of the Odyssey. Proceedings of the 18th Biennial Conference of the Biology of Marine Mammals, p. 278, 2009.

Hayes, M., Wise, S.S., LaCerte, C., Gianios, Jr., C. Wise, J., Payne, R., Kerr, I., Thompson, W.D. and Wise, Sr., J.P. Copper Levels in Sperm Whale (*Physeter macrocephalus*) Skin Biopsies Collected from around the Globe during the Voyage of the Odyssey. Proceedings of the 18th Biennial Conference of the Biology of Marine Mammals, p. 109, 2009.

Marshall, K., LaCerte, C., Wise, S.S., Gianios, Jr., C., Wise, J., Payne, R. Kerr, I., Thompson, W.D. and Wise, Sr., J.P. Cadmium Levels in Sperm Whale (*Physeter macrocephalus*) Skin Biopsies Collected from around the Globe during the Voyage of the Odyssey. Proceedings of the 18th Biennial Conference of the Biology of Marine Mammals, p. 153, 2009.

Knowlton, C., LaCerte, C., Wise, S.S., Gianios, Jr., C., Wise, J., Payne, R., Kerr, I., Thompson, W.D. and Wise, Sr., J.P. Barium Levels in Sperm Whale (*Physeter macrocephalus*) Skin Biopsies Collected from around the Globe during the Voyage of the Odyssey. Proceedings of the 18th Biennial Conference of the Biology of Marine Mammals, p. 130, 2009.

Atkinson, J., LaCerte, C., Wise, S.S., Gianios, Jr., C., Wise, J., Payne, R., Kerr, I., Thompson, W.D. and Wise, Sr., J.P. Arsenic Levels in Sperm Whale (*Physeter macrocephalus*) Skin Biopsies Collected from around the Globe during the Voyage of the Odyssey. Proceedings of the 18th Biennial Conference of the Biology of Marine Mammals, p. 20, 2009.

Wise S.S., Mason M.D., Shaffiey F., Li Chen, T., Goodale, B., LaCerte, C., Craig, G., Walter, R., Payne, R., Kerr, I., Kraus, S. and Wise, Sr., J.P. Comparative Toxicity of Silver Nanoparticles in Human, Marine Mammal and Fish Cells. *Toxicological Sciences* 108:1223, 2009.

Wise, Sr., J.P., Kraus, S., Payne, R., Wise, S.S., Kerr, I., LaCerte, C., Wise, J., Gianios, Jr, C., Shaffiey, F., Grau, M., Li Chen, T., Perkins, C., Thompson, W.D., Zheng, T., Zhang, Y., Zhu, C. and O'Hara, T. Whales as Sentinels for Human Health: A Global Assessment of Chromium Pollution. *Toxicological Sciences* 108: 1221, 2009.

Li Chen, T., LaCerte, C., Shaffiey, F., Wise, S.S., Payne, R., Kerr, I., Thompson, W.D. and Wise, Sr., J.P. Hexavalent Chromium is More Clastogenic to Human Skin Fibroblasts than to Sperm Whale Skin Fibroblasts. Proceedings of the University of Southern Maine's 7th Annual Thinking Matters Conference: USM Research, Scholarship, and Creativity Symposium, April, 2010.

Davenport, J.A., Li Chen, T., Wise, S.S., Payne, R., Kerr, I. and Wise, Sr., J.P. Trivalent Chromium is Clastogenic to Sperm Whale Skin Fibroblasts. Proceedings of the University of Southern Maine's 7th Annual Thinking Matters Conference: USM Research, Scholarship, and Creativity Symposium, April, 2010.

Wise, Sr., J.P., Wise, S.S., LaCerte, C., Wise, J., Gianios, Jr., C., Thompson, W.D., Benedict, L. Payne, R. and Kerr, I. A Global Assessment of Gold, Titanium, Strontium and Barium Pollution using Sperm Whales (*Physeter macrocephalus*) as an Indicator Species. *Journal of Ecosystem and Ecology* In Press.

Wise Sr, J.P., Wise, S.S., LaCerte, C., Li Chen, T., Wise, J., Gianios Jr, C., Payne, R., Kerr, I. and Thompson, W. D. Chromium Is a Global Concern for Sperm Whales (*Physeter macrocephalus*). Program of the National Council for Science and the Environment's (NCSE) 11th National Conference on Science, Policy, and the Environment, p. 49, 2011.

Wise, S.S., Wise, Jr., J.P., Braun, M., Wise, C.F., Wise, J., Gianios Jr, C., Huang, S., Wallace, B., Glass, I., Walker, R., LaCerte, C., McKay, J., Kerr, I., Payne, R., and Wise Sr, J.P. Assessing the Impact of the Deepwater Horizon Oil Spill on Whales. Program of the National Council for Science and the Environment's (NCSE) 11th National Conference on Science, Policy, and the Environment, p.49, 2011.

Li Chen, T., Martino, J., Wise, S., LaCerte, C., Shaffiey, F., Xie, H., Holmes, A., McPhearson, K., Kerr, I., Payne, R., Kraus, S. and Wise, Sr., J.P. The Toxic Effects of Chromium Compounds in North Atlantic Right Whale and Sperm Whale Cells. Proceedings of the University of Southern Maine's 8th Annual Thinking Matters Conference: USM Research, Scholarship, and Creativity Symposium, April, 2011.

Chen, T., Martino, J., Wise, S.S., LaCerte, C., Shaffiey, F., Xie, H., Holmes, A.L., McPhearson, K., Kerr, I., Payne, R., Kraus, S.D. and Wise, Sr., J.P. The Toxic Effects of Chromium Compounds in North Atlantic Right Whale and Sperm Whale Cells. *Toxicological Sciences*, 120: 516, 2011.

Céline A.J. Godard-Codding, Rebecca Clark, Maria Cristina Fossi, Letizia Marsili, Silvia Maltese, Adam G. West, Luciano Valenzuela, Victoria Rowntree, Ildiko Polyak, John C. Cannon, Kim Pinkerton, Nadia Rubio-Cisneros, Sarah L. Mesnick, Stephen B. Cox, Iain Kerr, Roger Payne, and John J. Stegeman. Pacific Ocean–Wide Profile of CYP1A1 Expression, Stable Carbon and Nitrogen Isotope Ratios, and Organic Contaminant Burden in Sperm Whale Skin Biopsies. *Environ Health Perspect.* 2011 March; 119(3): 337–343. PMID: PMC3059996

Rowntree, V., Uhart, M., Sironi, M. and Payne, R., Mortalities of right whales at Peninsula Valdes between 1971 and 2010: recent increases and their possible causes. SC/S11/RW2 Buenos Aires, Argentina, 13-16 September 2011

