

12 Literature Cited

- 67 FR 37452. Notice of the Intent to Prepare Environmental Impact Statement for Surveillance Towed Array Sensor System (SURTASS) Low Frequency Active (LFA) Sonar. V61, No. 139, p. 37452-37453. 18 July 1996.
- 67 FR 46785. Taking and Importing Marine Mammals: Taking Marine Mammals Incident to Navy Operations of Surveillance Towed Array Sensor System Low Frequency Active Sonar: Final rule. Federal Register Vol. 67, No. 136, p. 46712-46789. 16 July 2002.
- 67 FR 48145. Record of Decision for Surveillance Towed Array Sensor System Low Frequency Active (SURTASS LFA) Sonar. Federal Register Vol. 67, No. 141, p. 48145-48154. 23 July 2002.
- 67 FR 55818. Taking and Importing Marine Mammals: Taking Marine Mammals Incident to Navy Operations of Surveillance Towed Array Sensor System Low Frequency Active Sonar: Notice of issuance of a Letter of Authorization. Federal Register V67, No. 169, p. 55818. 30 August 2002.
- 68 FR 44311. Notice of Intent to Prepare a Supplement Environmental Impact Statement for Surveillance Towed Array Sensor System Low Frequency Active (SURTASS LFA) Sonar. Federal Register Vol. 68, No. 144, Pp. 44311.
- Abbott, R., and Bing-Sawyer E. 2002. "Assessment of pile driving impacts on the Sacramento blackfish (*Orthodon microlepidotus*)." Draft report prepared for Caltrans District 4.
- Aburto, A., D.J. Rountry, and J.L. Danzer 1997. Behavioral response of blue whales to active signals. Technical Report, Naval Command, Control and Ocean Surveillance Center, San Diego, USA.
- Aguilar, A. 2002. Fin Whale (*Balaenoptera physalus*), Pages 435-438 in W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego, CA, Academic Press
- Akamatsu, T., A. Nanami and H.Y. Yan. 2003. Spotlined sardine *Sardinops melanosticus* listens to 1-kHz sound by using its gas bladder. Fisheries Sci. 69:348-354.
- Allen, K.R. 1980. Conservation and management of whales. University of Washington Press, Seattle, WA.

- Alling, A.K. and H.P. Whitehead 1987. A preliminary study of the status of white-beaked dolphins, *Lagenorhynchus albirostris*, and other small cetaceans off the coast of Labrador. Canadian Field-Naturalist. 101:131-135.
- Alling, A.K. and R. Payne. 1991. In: Leatherwood, S. (ed.). Song of the Indian Ocean blue whale, *Balaenoptera musculus*. Special issue on the Indian Ocean Sanctuary.
- Andersen, S. 1970. Auditory sensitivity of the harbour porpoise *Phocoena phocoena*. Invest Cetacea. 2: 255-259.
- Andrew, R.K., B.M. Howe, J.A. Mercer, and M.A. Dzieciuch. 2002. Ocean ambient sound: Comparing the 1960s with the 1990s for a receiver off the California coast. ARLO 3(2), April 2002.
- Archer II, F.I. 2002. Striped dolphin, *Stenella coeruleoalba*, Pages 1201-1203. In: W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego, CA, Academic Press.
- Archer II, F. I., and W. F. Perrin. 1999. *Stenella coeruleoalba* (Meylen, 1833). Mammalian Species 603:1-9.
- Arnould, John P.Y. 2002. Southern Fur Seals. Pages 1146-1151 in W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego.
- Aroyan, J. L., M. A. McDonald, S. C. Webb, J. A. Hildebrand, D. Clark, J. T. Laitman, and J. S. Reidenberg. 2000. Acoustic Models of Sound Production and Propagation, Pages 409-469 in W. W. L. Au, A. N. Popper, and R. R. Fay, eds. Hearing by Whales and Dolphins. New York, Springer-Verlag.
- Asselin, S., M. O. Hammil, and C. Barrette. 1993. Underwater vocalizations of ice breeding grey seals. Canadian Journal of Zoology 71:2211-2219.
- Au, W. W. L. 1993. The Sonar of Dolphins. New York, Springer.
- Au, W. W. L., A. N. Popper, and R. R. Fay. 2000. Hearing by Whales and Dolphins, Pages 485. New York, Springer-Verlag.
- Au, W.W.L., D.A. Carder, R.H. Penner, and B.L. Scronce. 1985. Demonstration of adaptation in beluga whale echolocation signals. JASA 77(2):726-730.
- Au, W.W.L., D. L. Herzing. 2003. Echolocation signals of wild Atlantic spotted dolphin (*Stenella frontalis*). J. Acous. Soc. Am. 113 (1), January, 2003.

- Au, W.W.L., D.L. Herzing, and R. Aubauer. 1998. Real-time measurement of the echolocation signals of wild dolphins using a 4-hydrophone array. Abstracts of the World Marine Mammal Science Conference, Monaco, January 1998.
- Au, W.W.L., and M. Green. 2000. Acoustic interaction of humpback whales and whale-watching boats. *Marine Environment Research*. 49(5), June 2000.
- Au, W.W.L., P.E. Nachtigall, and J.L. Pawloski. 1997. Acoustic effects of ATOC signal (75 Hz, 195 Hz) on dolphins and whales. *JASA* 101(5):2973-2977.
- Au, W.W.L., R.H. Penner and C.W. Turl. 1987. Propagation of beluga echolocation signals. *JASA* 82(3):807-813
- Awbrey, F.T., J.A. Thomas, W.E. Evans, and S. Leatherwood. 1982. Ross Sea killer whale vocalizations: Preliminary description and comparison with those of some northern hemisphere killer whales. *Rep. Int. Whal. Commn.* 32:667-660.
- Awbrey, F.T., J.A. Thomas, and R.A. Kastelein. 1988. Low-frequency underwater hearing sensitivity in belugas, *Delphinapterus leucas*. *J. Acoust. Soc. Am.* 84: 2273-2275.
- Awbrey, F.T., J.C. Norris, A.B. Hubbard, and W.E. Evans. 1979. The bioacoustics of the Dall porpoise-salmon driftnet interaction. *Hubbs/Sea World Res. Inst. Tech. Rep.* 79-120. 41 pp. In: Croll et al. (1999).
- Babushina, Ye.S., G.L. Zaslavskii, and L.I. Yurkevich. 1991. Air and underwater hearing characteristics of the northern fur seal: audiograms, frequency, and differential thresholds. *Biophysics* 36(5):909-913.
- Bain, D.E., B. Kriete, and M.E. Dahlheim. 1993. Hearing abilities of killer whales (*Orcinus orca*). *JASA* 94 (Part 2):1829.
- Baird, R. W. 2002a. False Killer Whale, Pages 411-412 *in* W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. *Encyclopedia of Marine Mammals*. San Diego, Academic Press.
- 2002b. Risso's Dolphin: *Grampus griseus*, Pages 1037-1039 *in* W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. *Encyclopedia of Marine Mammals*. San Diego, CA, Academic Press.
- Baird, R.W., A.D. Ligon, S.K. Hooker, and A.M. Gargone. 2001. Sub-surface and night-time behaviour of pantropical spotted dolphins in Hawaii. *Canadian Journal of Zoology*. 79:988-996.

- Baird, R. W., D. J. McSweeney, A. D. Ligon, and D. L. Webster. 2004. Tagging feasibility and diving of Cuvier's beaked whales (*Ziphius cavirostris*) and Blainville's beaked whales (*Mesoplodon densirostris*) in Hawaii.
- Baird, R.W., J. F. Borsani, M. B. Hanson, and P. L. Tyack. 2002. Diving and night-time behavior of long-finned pilot whales in the Ligurian Sea. *Marine Ecology Progress Series* 237:301-305.
- Baird, R.W., L.M. Dill, and M.B. Hanson. 1998. Diving behavior of killer whales. Abstracts of the World Marine Mammal Science Conference, Monaco, January 1998.
- Baird, R.W., P.J. Stacey D.A. Duffus, and K.M. Langelier. 2002. An evaluation of bgray whale (*Eschrichtius robustus*) mortality incidental to fishing operations in British Columbia, Canada. *J. Ceteacean Res. Manage.* 4(3): 289-296.
- Baird, R. W. and S.K. Hooker. 2000. Ingestion of plastic and unusual prey by a juvenile harbour porpoise. *Marine Pollution Bulletin* 40: 719-720.
- Baker, A.D. 2003. World Navies in Review. Proceedings, U.S.Nav.Inst., Vol 129/3/1,202 pp.44-57.
- Baker, A.D. 2004. World's Navies Are in Decline. Proceedings, U.S.Nav.Inst., Vol 130/3/1,213 pp.32-49.
- Baker, A.N. 1985. Pygmy right whale *Caperea marginata* (Gray, 1846). In: Ridgway, S.H. and R. Harrison (eds.). Handbook of marine mammals Vol. 3: The sirenians and baleen whales. Academic Press, London, UK.
- Ballance, L. T. 2002. Cetacean Ecology, Pages 208-214 in W. F. Perrin, B. Würsig, and J. G. M. Thewissen., eds. Encyclopedia of Marine Mammals. San Diego, Ca, Academic Press, Div. of Harcourt:.
- Ballance, L.T. and R.L. Pitman. 1998. Cetaceans of the western tropical Indian Ocean: Distribution, relative abundance, and comparisons with cetacean communities of two other tropical ecosystems. *Mar. Mamm. Sci.* 14:429-459.
- Banner, A. 1967. Evidence of sensitivity to acoustic displacements in the lemon shark, *negaprion brevirostris* (Poey). In: Cahn, P.H. (ed), Lateral Line Detectors. Indiana University Press, Bloomington. pp. 265-273.
- Banner, A. 1972. Use of sound in predation by young lemon sharks, *Negaprion brevirostris*. *Bull. Mar. Sci.*, 22:251-283.
- Bannister, J. L. 2002. Baleen Whales, Pages 62-72 in W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego, Academic Press.

- Barco, S.G., W.A. McLellan, J.M. Allen, R.A. Asmutis-Silva, R. Mallon-Day, E.M. Meagher, D. A. Pabst, J. Robbins. R.E. Seton, W.M. Swingle, M.T. Weinrich, and P.J. Clapham. 2002. Population identity of humpback whales (*Megaptera novaeangliae*) in the waters of the U.S. mid-Atlantic states. *J. Cetacean Res. Manage.* 4(2): 135-141.
- Barlow, J. 1995. The abundance of cetaceans in California waters. Part I: ship surveys in summer and fall of 1991. *Fishery Bulletin* 93:1-14.
- . 1988. Harbor porpoise, *Phocoena phocoena*, abundance estimates for California, Oregon, and Washington. Part I: ship surveys. *Fish Bull* 86: 417-432.
- . 1999. Trackline Detection Probability for Long-Diving Whales. G. W. Garner, S. C. Amstrup, J. L. Laake, B. F. J. Manly, L. L. McDonald, and D. G. Robertson, eds. *The Symposium on Surveys, Status & Trends of Marine Mammal Populations*:209-221.
- Bartholomew, George A. and Nicholas E. Collias. 1962. The role of vocalizations in the social behaviour of the northern elephant seal. *Animal Behavior* 10: 7-13.
- Bartol, S.M. and J.A. Musick. 2003. Sensory Biology of Sea Turtles Pages 79-102 *in* Lutz et al. 2003.
- Bartol, S.M., J.A. Musick, and M.L. Lenhardt. 1999. Auditory evoked potentials of the loggerhead sea turtle. *Copeia* 3: 836-840.
- Bazua-Duran, C. and W.W.L. Au. 2002. The whistles of Hawaiian spinner dolphins. *J. Acoust. Soc. Am.* 112 (6), December 2002.
- Bel'kovitch, V.M., and M.N. Sh'ekotov. 1990. *The Belukha Whale: Natural Behaviour and Bioacoustics.* USSR Academy of Science. Moscow.
- Berg, A.V. van den, and A. Schuijf. 1983. Discrimination of sounds based on the phase difference between particle motion and acoustic pressure in the shark *Chiloscyllium griseum*. *Proc. Roy. Soc. Lond.*, 218: 127-134.
- Berrow, S.D., S.C. Long, A.T. McGarry, D. Pollard, E. Rogan, and C. Lockyer. 1998. Radionuclides (Cs-137 and K-40) in harbour porpoises *Phocoena phocoena* from British and Irish coastal waters. *Mar Pollut Bull* 36: 569-576. In: Croll et al. (1999).
- Berta, A. 2002. Pinniped, Overview, Pages 903-911 in B. W. W. F. Perrin, and J. G. M. Thewissen, ed. *Encyclopedia of Marine Mammals.* San Diego, Academic Press.
- Best, P.B. 1960. Further information on Bryde's whale (*Balaenoptera edeni* Anderson) from Saldanha Bay, South Africa. *Nor. Hvalfangst-Tid* 49:201-215.

- Best, P.B. 1975. Status of Bryde's whale (*Balaenoptera edeni* or *B. brydei*). FAD Advisory Committee on Marine Resources Research, Marine Mammal Symposium.
- Bigg, M. A. 1981. Harbour seal *Phoca vitulina* Linnaeus, 1758 and *Phoca largha* Pallas, 1811, Pages 1-27 in S. H. Ridgway, and R. J. Harrison, eds. Handbook of Marine Mammals. London, Academic Press.
- Bjorge, A., and K. A. Tolley. 2002. Harbor Porpoise, Pages 549-551 in W. F. Perrin, B. Würsig, and J. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego, Academic Press.
- Bjorndal, K.A. 1997. Foraging ecology and nutrition of sea turtles. In: Lutz, P.L. and J.A. Musick (eds.). The biology of sea turtles. CRC Press, Inc., Boca Raton, FL.
- Blanco, C., and J. A. Raga. 2000. Cephalopod Prey of Two *Ziphius cavirostris* (Cetacea) Stranded on the Western Mediterranean Coast. Journal of the Marine Biological Association of the United Kingdom 80:381-382.
- Bolten, A.B. 2003. Active Swimmers – Passive Drifters: The oceanic juvenile stage of loggerheads in the Atlantic system Pages 63-78 in Bolten and Witherington, 2003.
- Bolten, A.B, and B.E. Witherington (eds). 2003. Loggerhead Sea Turtles. Smithsonian Institution. Washington, DC.
- Bonner, W. N. 1990, The Natural History of Seals: Facts on File. New York.
- Bowen, B.W., F.A. Abreu-Grobois, G.H. Balazs, N. Kamezaki, C.J. Limpus and R.J. Ferl. 1995. Trans-Pacific migrations of the loggerhead turtle (*Caretta caretta*) demonstrated with mitochondrial DNA markers. Proceedings of the National Acad. of Sci. 92:3731-3734.
- Bowen, D. W., C. A. Beck, and D. A. Austin. 2002. Pinniped Ecology, Pages 911-921 in W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego, Academic Press.
- Boyd, I. L. 2002. Pinniped Life History, Pages 929-934 in W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego, Academic Press.
- Breese, D.B and B.R. Tershy. 1993. Relative abundance of cetacea in the Gulf of California. Marine Mammal Science 9:319:324.
- Brodie, P.F. 1989. The white whale. In: Handbook of marine mammals Vol. 4: river dolphins and larger toothed whales. Sam H. Ridgway and Sir Richard Harrison, Eds. Academic Press, London, UK.

- Brown, D.H., D.K. Caldwell, and M.C. Caldwell. 1966. Observations on the behavior of wild and captive false killer whales, with notes on associated behavior of other genera of captive delphinids. Los Angeles County Museum Contributions in Science 95:1-32.
- Buckstaff, K.C. 2004. Effects of watercraft noise on the acoustic behavior of bottlenose dolphins, *Tursiops truncatus*, in Sarasota Bay, Florida. Marine Mammal Science. 20(4): 709-725.
- Budelmann, B.U. and R. Williamson. 1994. Directional sensitivity of hair cell afferents in the octopus statocyst. J. Exp. Biol. 187:245-259.
- Buerki, C.B., T.W. Cranford, K.M. Langan, and K.L. Marten. 1989. Acoustic recordings from two stranded beaked whales in captivity. Abstracts of the 8th Biennial Conference on the Biology of Marine Mammals, Pacific Grove, USA, December 1989.
- Buerkle, U. 1968. Relation of pure tone thresholds to background noise level in the Atlantic cod (*Gadus morhua*). J. Fish. Bd. Canada 25:1155-1160.
- Buran, B. N., Deng, X., and Popper, A. N. (2005). Structural variation in the inner ears of four deep-sea elopomorph fishes. J. Morphol. in press.
- Burgess, W. C., P. L. Tyack, B. J. LeBoeuf, and D. P. Costa. 1998. A programmable acoustic recording tag and first results from free-ranging northern elephant seals. Deep-Sea Research II 45:1327-1351.
- Burns, J. J. 2002. Harbor Seal and Spotted Seal, Pages 552-559 in W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego, Academic Press.
- Busnel, R.G. and A. Dziedzic. 1966. Acoustic signals of the pilot whale *Globicephala melaena* and of the porpoises *Delphinus delphis* and *Phocoena phocoena*. In: Norris, K.S. (ed.). Whales, dolphins, and porpoises. University of California Press, Berkeley, CA.
- Busnel, R.G. and A. Dziedzic. 1968. Caracteristiques physiques des signaux acoustiques de *Pseudorca crassidens*. Mammalia 32:1-5.
- Bursk, M. 1989. Response of whales to whale watching in southern California. p.11. In: Proceedings of the Workshop to Review and Evaluate Whale Watching Programs and Management Needs. 14-16 November 1988, Monterey, California. Center for Marine Conservation, Washington, DC, and the National Marine Fisheries Service, Silver Spring, MD. 53pp.
- Butterworth, D.S., D.L. Borchers, and S. Chalis. 1993. Updates of abundance estimates for southern hemisphere blue, fin, sei, and humpback whales incorporating data from the second circumpolar set of IDCR cruises. Rep. Int. Whal. Commn. 43:530.

- Calambokidis, J. and J. Barlow. 2004. Abundance of blue and humpback whales in the eastern North Pacific estimated by capture-recapture and line transect methods. *Marine Mammal Science*. 20(1): 63-85.
- Caldwell, M.C. and D.K. Caldwell. 1968. Vocalization of naive captive dolphins in small groups. *Science* 159:1121-1123.
- Caldwell, M.C. and D.K. Caldwell. 1969. Simultaneous but different narrow-band sound emissions by a captive eastern Pacific pilot whale, *Globicephala scammoni*. *Mammalia* 33:505-508 + plates.
- Caldwell, D. K., and M. C. Caldwell. 1971a. Sounds produced by two rare cetaceans stranded in Florida. *Cetology* 4:1-6.
- Caldwell, D.K. and M.C. Caldwell. 1971b. The pygmy killer whale, *Feresa attenuata*, in the western Atlantic, with a summary of world records. *Mamm.* 52:206-209.
- Caldwell, D.K. and M.C. Caldwell. 1971c. Underwater pulsed sounds produced by captive spotted dolphins, *Stenella plagiodon*. *Cetology* 1: 1-7.
- Caldwell, D. K., and M. C. Caldwell. 1989. Pygmy Sperm Whale -- *Kogia breviceps* (de Blainville, 1838): Dwarf Sperm Whale *Kogia simus* Owen, 1866, Pages 235-260 in S. H. Ridgway, and R. Harrison, eds. *Handbook of Marine Mammals: Volume 4: River Dolphins and the Larger Toothed Whales*. New York, Academic Press.
- Caldwell, D. K., M. C. Caldwell, and W. F. Rathjen. 1971. Cuvier's Beaked Whale, *Ziphius cavirostris*, from Barbados. *Bulletin of the Southern California Academy of Sciences* 70:52-53.
- Caltrans. 2004. "Fisheries and Hydroacoustic Monitoring Program Compliance Report for the San Francisco-Oakland Bay Bridge East Span Seismic Safety Project." Prepared by Strategic Environmental Consulting, Inc. and Illingworth & Rodkin, Inc. June.
- Canbolat, A.F. 2003. A review of sea turtle nesting activity along the Mediterranean coast of Turkey. *Biological Conservation* 116: 81-91.
- Cappozzo, H.L. 2002. South American Sea Lion, Pages 1143-1146 in W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. *Encyclopedia of Marine Mammals*. San Diego, Academic Press.
- Carder, D., S. Ridgway, B. Whitaker, and J. Geraci. 1995. Hearing and echolocation in a pygmy sperm whale *Kogia*. Abstracts of the 11th biennial conference on the biology of Marine Mammals, Orlando, FL, December 1995.

- Caretta, J.V., K.A. Forney, M.M. Muto, J. Barlow, J. Baker, B. Hanson, and M.S. Lowry. 2005. U.S. Pacific Marine Mammal Stock Assessments: 2004. NOAA Technical Memorandum. May 2005.
- Carretta, J.V., M.M. Muto, J. Barlow, J. Baker, K.A. Forney, M. Lowery 2002. U.S. Pacific Marine Mammal Stock Assessments: 2002. NOAA Technical Memorandum NMFS. December 2002.
- Carlstrom, J., J. Denkinger, P. Feddersen, and N. Oien. 1997. Record of a new northern range of Sowerby's beaked whale (*Mesoplodon bidens*). Polar Biol. 17:459-461.
- Casper, B.M., P.S. Lobel and H.Y. Yan. 2003. The hearing sensitivity of the little skate, *Raja erinacea*: A comparison of two methods. Envir. Biol. Fish. 68:371-379.
- Cetacean Bycatch Resource Center (CBRC). 2005. Cetacean bycatch facts. Accessed on 13 October 2005. <http://www.cetaceanbycatch.org/satus.cfm>
- Cetacean Society International (CSI). 1998. Whales Alive! Vol. VII, No. 4. Internet website: <http://elfi.com/csi98409>. Accessed: November 1998.
- CETAP. 1982. A characterization of marine mammals and turtles in the mid- and north Atlantic areas of the U.S. outer continental shelf. Cetacean and Turtle Assessment Program (CETAP), University of Rhode Island. Final Report, Contract #AA51-CT8-48. Bureau of Land Management, Washington, DC.
- Chapman, C. J. 1973. Field studies of hearing in teleost fish. Helgoländer wiss. Meeresunters 24:371-390.
- Chapman, C.J. and A.D. Hawkins. 1973. A field study of hearing in the cod, *Gadus morhua* L. J. Comp. Physiol. 85:147-167.
- Chapman, C.J. and O. Sand. 1974. Field studies of hearing in two species of flatfish, *Pleuronectes platessa* (L.) and *Limanda limanda* (L.) (Family Pleuronectidae). Comp. Biochem. Physiol., 47A:371-385.
- Charif, R. A., D. K. Mellinger, K. J. Dunsmore, K. M. Fristrup, and C. W. Clark. 2002. Estimated source levels of fin whale (*Balaenoptera physalus*) vocalizations: Adjustments for surface interference. Marine Mammal Science 18:81-98.
- Chivers, S. 2002. Cetacean Life History, Pages 221-115 in W. F. Perrin, B. Wursig, and J. G. M. Thewissen., eds. Encyclopedia of Marine Mammals. San Diego, Academic Press.

- Christensen, I., T. Haug, and N. Oien. 1992. A review of feeding and reproduction in large baleen whales (*Mysticeti*) and sperm whales (*Physeter macrocephalus*) in Norwegian and adjacent waters. Fauna Norvegica Series A 13:39-48
- Chung, Y.J., Y. Matsuno, S. Fujieda and Y. Yamanaka. 1995. Auditory threshold of Japanese horse mackerel *Trachurus japonicus*. Nippon Suisan Gakkaishi 61:695-699.
- Cipriano, F. 1992. Behavior and occurrence patterns, feeding ecology, and life history of dusky dolphins (*Lagenorhynchus obscurus*) off Kaikoura, New Zealand. Ph.D. dissertation, University of Arizona, Tucson, USA. 216pp.
- Cipriano, F. 2002. Atlantic white-sided dolphin (*Lagenorhynchus acutus*), Pages 49-51 in W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego, Academic Press.
- Clapham, P.J., L. Baraff, C. Carlson, M. Christian, D.K. Mattila, C. Mayo, M. Murphey, and S. Pittman. 1993. Seasonal occurrence and annual return of humpback whales in the southern Gulf of Maine. Can. J. Zool. 71:440-443.
- Clark, C.W. 1980. A real-time direction finding device for determining the bearing to the underwater sounds of southern right whales, *Eubalaena australis*. JASA 68(2):508-511.
- . 1982. The acoustic repertoire of the southern right whale, a quantitative analysis. Animal Behavior 30:1060-1071.
- . 1983. Acoustical communication and behavior of the southern right whale (*Eubalaena australis*). Pages 163-198 in R. S. Payne, ed. Communication and Behavior of whales. Boulder, CO, Westview Press.
- . 1990. Acoustic behavior of mysticete whales, Pages 571-583 in J. A. Thomas, and R. A. Kastelein, eds. Sensory Abilities of Cetaceans: Laboratory and Field Evidence. New York, Plenum Press.
- . 1994. Blue deep voices: insights from the Navy's whales '93 program. Whalewatcher 28(1):6-11.
- Clark, C.W., J. F. Borsani, and G. Notabartolo di Scara. 2002. Vocal activity of fin whales, *Balaenoptera physalus*, in the Ligurian Sea. Marine Mammal Science 18:286-295.
- Clark, C.W. and K. Fristrup. 1997. Whales '95: A combined visual and acoustic survey of blue and fin whales off southern California. Rep. Int. Whal. Commn. 47:583-600.
- Clark, C.W. and P.J. Clapham. 2004. Acoustic monitoring on a humpback whale (*Megaptera novaeangliae*) feeding ground shows continual singing into late spring. Proc. R. Soc. Lond. B. 271: 1051-1057.

- Clark, C.W., P. Tyack, and W.T. Ellison. 1999 (Revised 2001). Overseas Environmental Impact Statement and Environmental Impact Statement for Surveillance Towed Array Sensor System Low Frequency Active (SURTASS LFA) Sonar Technical Report 1: Low Frequency Sound Scientific Research Program Technical Report (Responses of Four Species of Whales to Sounds of SURTASS LFA Sonar Transmissions). For the Department of the Navy. February 1999 (Revised January 2001).
- Clark, C.W. and R. Charif. 1998. Monitoring the occurrence of large whales off north and west Scotland using passive acoustic arrays. Society of Petroleum Engineers (SPE). SPE/UKOOA European Environmental Conference, Aberdeen, Scotland, April 1997.
- Clark, C.W. and W.T. Ellison. 2004. Potential use of low-frequency sounds by baleen whales for probing the environment: evidence from models and empirical measurements. Pp. 564-582 *in*: Echolocation in bats, and dolphins. J. Thomas, C. Moss, and M. Vater, eds. The University Press of Chicago.
- Clarke, M. R. 1976. Observations on Sperm Whale Diving. *Journal of the Marine Biological Association of the United Kingdom* 56:809-810.
- . 1996. Cephalopods As Prey. III. Cetaceans. *Proceedings of the Royal Society of London, Series B, Biological Sciences* 351:1053-1065.
- Coffin, A., Kelley, M., Manley, G.A., and Popper, A.N. 2004. Evolution of sensory hair cells. In: *Evolution of the Vertebrate Auditory System* (eds. G.A. Manley, A.N. Popper, and R.R. Fay). Springer-Verlag, New York, 55-94.
- Coles, W.C. and J.A. Musick. 2000. Satellite sea surface temperature analysis and correlation with sea turtle distribution off North Carolina. *Copeia* 2: 551-554.
- Coombs, S. and A.N. Popper. 1979. Hearing differences among Hawaiian squirrelfishes (Family Holocentridae) related to differences in the peripheral auditory anatomy. *J. Comp. Physiol.* 132:203-207.
- Coombs, S. and J.C. Montgomery. 1999. The enigmatic lateral line system. In: Fay, R. R. and A.N. Popper (eds.). *Comparative hearing: fish and amphibians*. Springer-Verlag, NY. pp. 319-362.
- Coombs, S., J. Janssen, and J. Montgomery. 1992. Functional and evolutionary implications of peripheral diversity in lateral line systems. In: Webster, D.B., R.R. Fay, and A.N. Popper (eds.). *Evolutionary biology of hearing*.
- Coombs, S., P. Görner, and H. Münz (eds.). 1989. *The mechanosensory lateral line: neurobiology and evolution*. Springer-Verlag, NY.

- Corwin, J.T. 1981. Audition in elasmobranchs in hearing and sound communication. In: Tavolga, W.N., A.N. Popper, and R.R. Fay (eds.). Fishes. Springer-Verlag, pp. 81-105.
- Cox, M., P.H. Rogers, A.N. Popper, and W.M. Saidel. 1986a. Frequency regionalization in the fish ear. JASA Suppl. 1, 79: S80.
- Cox, M., P.H. Rogers, A.N. Popper, and W.M. Saidel. 1986b. Anatomical effects of intense tone simulation in the ear of bony fish. JASA Suppl. 1, 80: S75.
- Cox, M., P.H. Rogers, A.N. Popper, W.M. Saidel, and R.R. Fay. 1987. Anatomical effects of intense tone simulation in the goldfish ear: dependence on sound pressure level and frequency. JASA Suppl. 1, 89: S7.
- Crawford, T.W. 1981. Vertebrate prey of *Phocoenoides dalli* (Dall's porpoise), associated with the Japanese high seas salmon fishery in the North Pacific Ocean. M.Sc. thesis, Univ. of Washington, Seattle, WA, USA. 72 pp. In: Croll et al. (1999).
- Croll, D. A., A. Acevedo-Gutierrez, B. R. Tershy, and J. Urban-Ramirez. 2001b. The diving behavior of blue and fin whales: Is dive duration shorter than expected based on oxygen stores? Comparative Biochemistry and Physiology, A 129:797-809.
- Croll, D.A., B.R. Tershy, A. Acevedo, and P. Levin. 1999. Marine vertebrates and low frequency sound. Technical Report for LFA EIS. Marine Mammal and Seabird Ecology Group, Institute of Marine Sciences, University of California, Santa Cruz.
- Croll, D. A., C. W. Clark, A. Acevedo, B. Tershy, S. Flores, J. Gedamke, and J. Urban. 2002. Only male fin whales sing loud songs. Nature 417:809.
- Croll, D., C.W. Clark, J. Calambokidis, W. Ellison, and B. Tershy. 2001a. Effect of anthropogenic low-frequency noise on the foraging ecology of Balaenoptera whales. Animal Conservation 4:13-27.
- Cruickshank, R.A. and S.G. Brown. 1981. Recent observations and some historical records of southern right-whale dolphins *Lissodelphis peronii*. Fish. Bull. S. Afr. 15:109-121.
- Crum, L.A. and Y. Mao. 1996. Acoustically enhanced bubble growth at low frequencies and implication for human diver and marine mammal safety. JASA 99:2898-2907.
- Cudahy, E. and W.T. Ellison. 2002. A review of the potential for *in vivo* tissue damage by exposure to underwater sound, report for the Department of the Navy. Department of the Navy, Washington, D.C.

- Cummings, W.C. 1985. Bryde's whale *Balaenoptera edeni* (Anderson, 1878) In: Ridgway, S.H. and R. Harrison (eds.). Handbook of marine mammals Vol. 3: the sirenians and baleen whales. Academic Press, London, UK.
- Cummings, W. C., J. F. Fish, and P. O. Thompson. 1972. Sound production and other behavior of southern right whales, *Eubalaena australis*. Transactions of the San Diego Society of Natural History 17:1-14.
- Cummings, W.C. and P.O. Thompson. 1971. Underwater sounds from blue whale, *Balaenoptera musculus*. JASA 50(4, Pt. 2):1193-1198.
- Dahlheim, M.E. and D.K. Ljungblad. 1990. Preliminary hearing study on gray whales, (*Eschrichtius robustus*), in the field. In: Thomas, J. and R. Kastelein (eds.). Sensory abilities of cetaceans: Laboratory and field evidence. Plenum Press, NY. p. 335-346.
- Dahlheim, M.E., H.D. Fisher, and Schempp. 1984. Sound production by the gray whale and ambient noise levels in Laguna San Ignacio, Baja California Sur, Mexico In: Jones, M.L., S.L. Swartz, and S. Leatherwood (eds.). The gray whale *Eschrichtius robustus*. Academic Press, San Diego, CA.
- Davenport, J. 1997. Temperature and the life-history strategies of sea turtles. Journal of Thermal Biology 22: 479-488.
- Davis, D. and C. Tisdell. 1995. Economic management of recreational scuba diving and the environment. Journal of Environmental Management, Vol. 48.
- Davis, R. W., G. A. J. Worthy, B. Würsig, S. K. Lynn, and F. I. Townsend. 1996. Diving Behavior and At-Sea Movements of an Atlantic Spotted Dolphin in the Gulf of Mexico. Marine Mammal Science 12:569-581.
- Dawbin, W.H. and D.H. Cato. 1992. Sounds of a pygmy right whale (*Caperea marginata*). Mar Mamm. Sci. 8:213-219.
- Dawicki, S. 2004. Cumulative sperm whale bone damage and the bends. WHOI News Release, December 23, 2004. <http://www.whoiedu>
- Dawson, S.M. 2002. Cephalorhynchus dolphins (*C. heavisidii*, *C. eutropia*, *C. hectori*, and *C. Commersonii*), Pages 200-203. In: W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego, CA, Academic Press.
- Dawson, S.M. 1988. The high-frequency sounds of free-ranging Hector's dolphins *Cephalorhynchus hectori*. Rep. Int. Whal. Commn., Spec. Issue 9:339-344.
- Dawson, S.M. and C.W. Thorpe. 1990. A quantitative analysis of the acoustic repertoire of Hector's dolphin. Ethology 86:131-145.

- Dawson, S., J. Barlow, and D. K. Ljungblad. 1998. Sounds Recorded From Baird's Beaked whale, *Berardius bairdii*. Marine Mammal Science 14:335-344.
- Deng, X., Wagner, H.-J. and Popper, A.N. 2003. Variation in hair cell bundle characteristics in the saccule and lagenar of Macrouridae deep-sea fishes. Abstr. Assoc. Res. Otolaryngol. 26:257.
- Department of Commerce (DOC). 2002. Report on the workshop on acoustic resonance as a source of tissue trauma in cetaceans. April 24 and 25, 2002. Silver Spring, Maryland. National Marine Fisheries Service, Silver Spring, Maryland.
- Department of Commerce (DOC) and Department of the Navy (DON). 2001. Joint Interim Report on the Bahamas Marine Mammal Stranding Event of 15-16 March 2000.
- Department of the Navy (DON). 2001. Final Overseas Environmental Impact Statement and Environmental Impact Statement for Surveillance Towed Array Sensor System Low Frequency Active (SURTASS LFA) Sonar. Volume 1. Chief of Naval Operations. Washington, DC. January, 2001.
- Department of the Navy (DON). 2002. Application for Letters of Authorization for the R/V *Cory Chouest* and the USNS Impeccable.
- Department of the Navy (DON). 2003a. Annual Report No. 1: Operation of the Surveillance Towed Array Sensor System Low Frequency Active (SURTASS LFA) Sonar Onboard the R/V *Cory Chouest* Under the National Marine Fisheries Services Letter of Authorization of 16 August 2002. May 2003.
- Department of the Navy (DON). 2003b. Application for Letters of Authorization for the R/V *Cory Chouest* and the USNS Impeccable.
- Department of the Navy (DON). 2004a. Annual Report No. 2: Operation of the Surveillance Towed Array Sensor System Low Frequency Active (SURTASS LFA) Sonar Onboard the R/V *Cory Chouest* and USNS IMPECCABLE (T-AGOS 23) Under the National Marine Fisheries Services Letter of Authorization of 16 August 2003. May 2004.
- Department of the Navy (DON). 2004b. Application for Letters of Authorization for the R/V *Cory Chouest* and the USNS Impeccable. June 16, 2004.
- Department of the Navy (DON). 2005a. Annual Report No. 3: Operation of the Surveillance Towed Array Sensor System Low Frequency Active (SURTASS LFA) Sonar Onboard the R/V *Cory Chouest* and USNS IMPECCABLE (T-AGOS 23) Under the National Marine Fisheries Services Letter of Authorization of 16 August 2004. May 2005.

- Department of the Navy (DON). 2005b. Application for Letters of Authorization for the R/V *Cory Chouest* and the USNS *Impeccable*. March 31, 2005.
- Diercks, K.J., R.T. Trochta, C.F. Greenlaw, and W.E. Evans. 1971. Recording and analysis of dolphin echolocation signals. *JASA* 49(6):1729-1732.
- Diercks, K.J., R.T. Trochta, and W.E. Evans. 1973. Delphinid sonar: measurement and analysis. *JASA* 54(1):200-204.
- Diesselhorst, G. 1938. Hörversuche an Fischen ohn Weberschen Apparat. *Z. verg. Physiol.* 25:748-783.
- Dijkgraaf, S. 1952. Über die Schallwahrnehmung bei Meeresfischen. *Z. verg. Physiol.* 34:104-122.
- Division of Birds and Mammals, Department of Zoology, Natural History Museum of Tokyo.
- Dodd, K. T., Mundie, T. G., Lagutchik, M. S., and Morris, J. R. 1997. "Cardiopulmonary effects of high-impulse noise exposure." *J. Trauma* 43, 656-666.
- Dohl, T. P., R. C. Guess, M. L. Duman, and R. C. Helm. 1983. Cetaceans of Central and Northern California, 1980-1983: Status, Abundance, and Distribution, Pages 284. Santa Cruz, CA, Center for Marine Studies, University of California, Santa Cruz, for U. S. Minerals Management Service.
- Dolar, M.L.L. 2002. Fraser's dolphin, Pages 485-487 in W. F. Perrin, B. Wursig, and J. G. M. Thewissen, eds. *Encyclopedia of Marine Mammals*. San Diego, Academic Press.
- Dolar, M. L. L., W. A. Walker, G. L. Kooyman, and W. F. Perrin. 2003. Comparative feeding ecology of spinner dolphins (*Stenella longirostris*) and Fraser's dolphins (*Lagenodelphis hosei*) in the Sulu Sea. *Marine Mammal Science* 19:1-19.
- Dolphin, W.F. 1987. Dive behavior and estimated energy expenditures of foraging humpback whales in southeast Alaska. *Can. J. Zool.* 65:354-362.
- Donahue, M.A., and W.L. Perryman. 2002. Pygmy Killer Whale *Feresa attenuate*. Pp 1009-1010. in W. F. Perrin, B. Wursig, and J. G. M. Thewissen, eds. *Encyclopedia of Marine Mammals*. San Diego, Academic Press.
- Dooling, R. J., and Dent, M. L. 2001. New studies on hair cell regeneration in birds. *Journal of the Acoustical Society of Japan* 22, 93-100.
- D'Vincent, C.G., R.M. Nilson, and R.E. Hanna. 1985. Vocalization and coordinated feeding behavior of the humpback whale in southeastern Alaska. *Sci. Rep. Whales Res. Inst.* 36:41-47.

- Dziedzic, A. and V. De Buffrenil. 1989. Acoustic signals of the Commerson's dolphin, *Cephalorhynchus commersonii*, in the Kerguelen Islands. *J. Mammal* 70:449-452.
- Eckert, S.A. 1998. Perspectives on the use of satellite telemetry and other electronic technologies for the study of marine turtles, with reference to the first year long tracking of leatherback sea turtles. In: Seventeenth Annual Sea Turtle Symposium, Vol. NOAA Tech. Memo NMFS-SEFSC-415 (ed. S.P. Epperly and J. Braun), pp. 294. U.S. Department of Commerce, National Oceanic and Atmospheric Agency, National Marine Fisheries Service, Orlando, Florida.
- Eckert, S.A. 1999. Habitats and migratory pathways of the Pacific leatherback sea turtle. Final Report to the National Marine Fisheries Service, Office of Protected Resources, pp. 15. Hubbs Sea World Research Institute, San Diego, CA.
- Eckert, S.A. H.C. Liew, K.L. Eckert and E.H. Chan. 1996. Shallow water diving by leatherback turtles in the South China Sea. *Chelonian Conservation and Biology* 2:237-243.
- Edds, P.L. 1982. Vocalizations of the blue whale, *Balaenoptera musculus*, in the St. Lawrence River. *J. Mammal* 63:345-347.
- . 1988. Characteristics of finback *Balaenoptera physalus* vocalizations in the St. Lawrence Estuary. *Bioacoustics* 1:131-149
- Edds, P.L., D.K. Odell, and B.R. Tershy. 1993. Vocalizations of a captive juvenile and free-ranging adult-calf pairs of Bryde's whales, *Balaenoptera edeni*. *Mar. Mamm. Sci.* 9:269-84.
- Edds-Walton, P.L. 1997. Acoustic communication signals of Mysticete whales. *Bioacoustics* 8:47-60.
- Edds-Walton, P.L. 2000. Vocalizations of minke whales *Balaenoptera acutorostrata* in the St. Lawrence Estuary. *Bioacoustics* 11:31-50.
- Ellison, W.T. 2005 (Unpublished). Memorandum on comments on the Declaration of Andrew W.H. Turnpenny in Support of Plaintiff Motion for Summary Judgement, No. C 02-3805. 10 September 2005.
- Ellison, W.T., C.W. Clark, and G.C. Bishop. 1987. Potential use of surface reverberation by bowhead whales, *Balaena mysticetus*, in under ice navigation: Preliminary considerations. *Rep. Int. Whal. Commn.* 37:329-332.

- Engås, A. and S. Løkkeborg. 2002. "Effects of seismic shooting and vessel-generated noise on fish behaviour and catch rates." *Bioacoustics* 12, 313-315.
- Engas, A., S. Lpkkeborg, E. Ona and A.V. Soldal. 1995. Effects of seismic shooting on local abundance and catch rates of cod (*Gadus morhua*) and haddock (*Melanogrammus aeglefinus*), *Can J. Fish. Aquat. Sci.* 53:2238-2249.
- Enger, P.S. 1981. Frequency discrimination in teleosts - central or peripheral? In: Tavolga, W.N., A.N. Popper, and R.R. Fay (eds.). *Hearing and sound communications in fish*.
- Erbe, C. 2002. Underwater noise of whale-watching boats and potential effects on killer whales (*Orcinus orca*), based on an acoustic impact model. *Mar. Mam. Sci.* 18(2): 394-418.
- Ernst, C.H., R.W. Barbour, and J.E. Lovich. 1994. *Turtles of the United States and Canada*, 2nd edition. Smithsonian Inst. Press., Washington, DC.
- European Cetacean Bycatch Campaign (ECBC). 2004. Weather blamed for whale beachings. *News in Science*, December 1, 2004. <http://www/eurocbc.org>.
- Evans, P.G.H. 1987. *The Natural History of Whales and Dolphins*. New York, New York, Facts on File, Inc.
- Evans, P.G.H., and J.A. Raga. 2001. *Marine Mammals: Biology and Conservation*. Kluwer Academic/Plenum Publishers, New York.
- Evans, W.E. 1971. Orientation behavior of delphinids: radio telemetric studies. *Add NY Acad. Sci.* 188:142-160.
- Evans, W.E. 1973. Echolocation by marine delphinids and one species of fresh-water dolphin. *JASA* 54:191-199.
- Evans, W.E. 1994. Common dolphin, white-bellied porpoise *Delphinus delphis* (Linnaeus, 1758). In: Ridgway, S.H. and R. Harrison (eds.). *Handbook of marine mammals Vol. 5: the first book of dolphins*. Academic Press, London, UK.
- Evans, W.E., and F.T Awbrey. 1984. High frequency pulses of Commerson's dolphin and Dall's porpoise. *Am. Zool.* 24(3): 2A. In: Croll et al. (1999).
- Evans, W.E., F.T. Awbrey, and H. Hackbarth. 1988. High frequency pulses produced by free-ranging Commerson's dolphin (*Cephalorhynchus commersonii*) compared to those of phocids. *Rep. Int. Whal. Commn., Spec. Issue* 9:173-181.
- FAO. 2002a. *Yearbooks of Fishery Statistics Summary Tables – 2002*. Food and Agriculture

- Organization (FAO) of the United Nations (UN)
<ftp://ftp.fao.org/fi/stat/summary/default.htm> Access data: 12/6/2004.
- FAO. 2002b. The State of World Fisheries and Aquaculture 2002. FAO Fisheries Department, Food and Agriculture Organization (FAO) of the United Nations. Rome, Italy.
- FAO. 2003. Fishery Country Profile. <http://www.fao.org/fi/fcp/en/USA/profile.htm> FAO Fisheries Department, Food and Agriculture Organization (FAO) of the United Nations. Access date: 6/18/2004.
- Farrell, R.E. 2003. Revitalize ASW. Proceedings, U.S.Nav.Inst., Vol 129/12/1,210 pp.40-43.
- Fay, R.R. 1969. Behavioral audiogram for the goldfish. J. Aud. Res., 9: 112-121.
- Fay, R. R. 1974. The masking of tones by noise for the goldfish. J. Comp. Physiol. Psych. 87:708-716.
- Fay, R.R. 1988a. Hearing in vertebrates: a psychophysics handbook. Hill-Fay Associates, Winneka, IL. 621 p.
- Fay, R. R. 1988b. Tone-on-tone masking in the goldfish: the effects of signal phase for signal and masker at 500 Hz. JASA 84: S78.
- Fay, R. R. and A. Megela-Simmons. 1999. The sense of hearing in fish and amphibians. In: Fay, R. R. and A. N. Popper (eds.). Comparative hearing: fish and amphibians. Springer-Verlag, NY. pp. 269-318.
- Fay R.R., and P.L. Edds-Walton. 1997. Diversity in frequency response properties of saccular afferents of the toadfish (*Opsanus tau*). Hear Res 111:235-246.
- Fedoseev, G. A. 2002. Ribbon Seal, Pages 1027-1030 in W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego, Academic Press.
- Ferguson, M. C., and J. Barlow. 2003. Addendum: Spatial distribution and density of cetaceans in the eastern tropical Pacific Ocean based on summer/fall research vessel surveys in 1986-96. Administrative Report LJ-01-04 (Addendum). Southwest Fisheries Science Center, National Marine Fisheries Service, NOAA, La Jolla, CA
- Fernandez, A., M. Arbelo, R Deaville, I.A.P. Patterson, P. Castro, J.R. Baker, E. Degollada, H.M. Ross, P. Herraez, A.M. Pocknell, F. Rodriguez, F.E. Howie, A. Espinosa, R.J. Reid, J.R. Jaber, V. Martin, A.A. Cunningham, and P.D. Jepson. Jepson et al. response to: Gas-bubble lesions in stranded cetaceans. Nature (425). Brief Communications. April 15, 2004.

- Fernández-Juricic Esteban, Claudio Campagna, Victor Enriquez, and Charles Leo Ortiz. 1999. Vocal communication and individual variation in breeding South American sea lions. *Behaviour* 136:495-517.
- Ferraroli, S., J-Y. Georges, P. Gaspar, and Y.L. Maho. 2004. Where leatherback turtles meet fisheries. *Nature* 429: 521.
- Ferrero, R.C. R.C. Hobbs, and G.R. Van Blaricom. 2002. Indications of the habitat use patterns among small cetaceans in the central North Pacific based on fisheries observer data. *J. Cetacean Res. Manage.* 4(3): 311-321.
- Fiedler, P.C., S.B. Reilly, R. P. Hewitt, D. Demer, V. A. Philbrick, S. Smith, W. Armstrong et al. 1998. Blue Whale Habitat and Prey in the California Channel Islands. *Deep-Sea Research II* 45:1781-1801.
- Finneran, J. J., C. E. Schlundt, R. Dear, D. A. Carder, and S. H. Ridgway. 2002. Temporary shift in masked hearing thresholds in odontocetes after exposure to single underwater impulses from a seismic watergun. *Journal of the Acoustical Society of America* 111:2929-2940.
- Fish, J.F. and C.W. Turl. 1976. Acoustic source levels of four species of small whales. U.S. Naval Undersea Center, San Diego, CA.
- Fish, J.F., and G.C. Offutt. 1972. Hearing thresholds from toadfish, *Opsanus tau*, measured in the laboratory and field. *J. Acoust. Soc. Amer.* 51:1318-1321.
- Fitch, J.E. and R.L. Brownell, Jr. 1968. Fish otoliths in cetacean stomachs and their importance in interpreting feeding habits. *J. Fish. Res. Bd. Can.* 25:2561-2574.
- Fletcher, E. R., Yelverton, J. T., and Richmond, D. R. 1976. "The thoraco-abdominal system's response to underwater blast." Final Technical Report, ONR Contract N00014-75-C-1079.
- Fletcher, J. L. and Busnel, R. G. 1978. "Effects of Noise on Wildlife." Academic Press, New York.
- Fletcher, S., B. J. L. Boeuf, D. P. Costa, P. L. Tyack, and S. B. Blackwell. 1996. Onboard acoustic recording from diving northern elephant seals. *Journal of the Acoustical Society of America* 100:2531-2539.
- Foote, A.D., R.W. Osborne, and A. R. Hoelzel. Environment: Whale-call response to masking boat noise. *Nature Brief Communications.* 428, 29 April 2004.
- Ford, J.K.B. 1989. Acoustic behavior of resident killer whales (*Orcinus orca*) off Vancouver Island, British Columbia. *Can. J. Zool.* 67:727-745.

- Ford, J.K.B. 2002. Killer Whale *Orcinus orca*. in W. F. Perrin, B. Wursig, and J. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego, Academic Press.
- Ford, J.K.B. and H.D. Fisher. 1983. Killer whales (*Orcinus orca*) dialects as an indicator of stocks in British Columbia. Rep. Int. Whal. Commn. 32:671-679.
- Fordyce, R. E. 2002, Cetacean Evolution: Encyclopedia of Marine Mammals. San Diego, Academic Press, Div. of Harcourt.
- Frankel, A.S. 1994. Acoustic and visual tracking reveals distribution, song variability, and social roles of humpback whales in Hawaiian waters. Dissertation. University of Hawaii.
- Frankel, A. S. 2002. Sound Production, Pages 1126-1138 in W. F. Perrin, B. Wursig, and J. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego, Academic Press.
- Frankel, A.S. and C.W. Clark. 2000. Behavioral responses of humpback whales (*Megaptera novaeanglianae*) to full-scale ATOC signals. Can. J. Zool.
- Frankel, A.S. and C.W. Clark. 2002. ATOC and other factors affecting distribution and abundance of humpback whales (*Megaptera novaeangliae*) off the north shore of Kauai. Mar. Mam. Sci. 18: 644-662.
- Frankel, A.S., J. Mobley, and L. Herman 1995. Estimation of auditory response thresholds in humpback whales using biologically meaningful sounds. Pages 55-70 in R.A Kastelein, J.A. Thomas, and P.E. Nachtigall, eds. Sensory Systems of Aquatic Mammals. Woerden, Neatherlands, De Spil Publishing.
- Frantzis, A., J. C. Goold, E. K. Skarsoulis, M. I. Taroudakis, and V. Kandia. 2002. Clicks from Cuvier's Beaked Whales, *Ziphius cavirostris* (L). Journal of the Acoustical Society of America 112:34-37.
- Friedman, N. 2004. The New Challenge—and a New Solution. Sea Technology, 45:11 p. 7.
- Fujieda, S., Y. Matsuno and Y. Yamanaka. 1996. The auditory threshold of the bastard halibut *Paralichthys olivaceus*. Nippon Suisan Gakkaishi 62:201-204.
- Gabriele, C. and A. Frankel. 2002. The occurrence and significance of humpback whale songs in Glacier Bay, Southeastern Alaska. Arctic Research of the United States (16). pp. 42-47.
- Gabriele, C. M., J. M. Straley, L. M. Herman, and R. J. Coleman. 1996. Fastest Documented Migration of a North Pacific Humpback Whale. Marine Mammal Science 12:457-464.
- Gales, N. J. 2002. New Zealand Sea Lion, Pages 791-794 in W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego.

- Gallo-Reynoso, J.P. 1994. Factors affecting the population status of Guadalupe fur seal, *Arctocephalus townsendi* (Merriam, 1897), at Isla de Guadalupe, Baja California, Mexico. Ph.D. dissertation thesis, University of California, Santa Cruz.
- Gambell, R. 1985a. Fin whale *Balaenoptera physalus* (Linnaeus, 1758). In: Ridgway, S.H. and R. Harrison (eds.). Handbook of marine mammals Vol. 3: the sirenians and baleen whales. Academic Press, London, UK.
- George, J.C., C.W. Clark, G.M. Carroll, and W.T. Ellison. 1989. Observations on the ice-breaking and ice navigation behavior of migrating bowhead whales (*Balaena mysticetus*) near Point Barrow, Alaska. ARCTIC 42:24-30.
- Gambell, R. 1985b. Sei whale *Balaenoptera borealis* (Lesson, 1828). In: Ridgway, S.H. and R. Harrison (eds.). Handbook of marine mammals Vol. 3: the sirenians and baleen whales. Academic Press, London, UK.
- Goold, J. C., and S. E. Jones. 1995. Time and frequency domain characteristics of sperm whale clicks. Journal of the Acoustical Society of America 98:1279-1291.
- Gannon, D.P., J.E. Craddock, and A.J. Read. 1998. Autumn food habits of harbor porpoises, *Phocoena phocoena*, in the Gulf of Maine. Fish Bull 96: 428-437. In: Croll et al. (1999).
- GAO, 2002. Defense Acquisitions: Testing Needed to Prove SURTASS/LFA Effectiveness in Littoral Waters. GAO-02-692. Washington, DC.
- Gaskin, D.E. 1982. The ecology of whales and dolphins. Heinemann, London.
- Gaskin, D.E. 1992. Status of then harbour porpoise, *Phocoena phocoena*, in Canada. Can. Field-Nat 106:36-54 in Croll et al. (1999).
- Gaskin, D.E., P.W. Arnold, and B.A. Blair. 1974. *Phocoena phocoena*. Mammal Spec 42:1-8. In: Croll et al. (1999).
- Gaspin, J.B. 1975. "Experimental investigations of the effects of underwater explosions on swimbladder fish, I: 1973 Chesapeake Bay tests." Naval Surface Weapons Center Report NSWC/WOL/TR 75-58.
- Gausland, I. 2003. "Seismic survey impact on fish and fisheries." Stavanger Report March 2003.
- Gedamke, J., D.P. Costa, and A. Dunstan. 2001. Localization and visual verification of a complex minke whale vocalization. J. Acoust. Soc. Am. Vol. 109 (6) pp. 3038-3047.
- Gentry, R. 1998. Behavior and Ecology of the Northern Fur Seal. Princeton, Princeton University Press.
- Gentry, R. L. 2002. Eared Seals, Pages 348-351 524 in W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego.

- George, J.C., C.W. Clark, G.M. Carroll, and W.T. Ellison. 1989. Observations on the ice-breaking and ice navigation behavior of migrating bowhead whales (*Balaena mysticetus*) near Point Barrow, Alaska. ARCTIC 42:24-30.
- George, J.C., J. Bada, J. Zeh, L. Scott, S.E. Brown, T. O'Hara, and R. Suydam. 1999. Age and growth estimates of bowhead whales (*Balaena mysticetus*) via aspartic acid racemization. Canadian Journal of Zoology. Vol. 77 (4) pp. 571-580.
- Goebel, M. E. 1998. Female foraging behavior: inter- and intra-annual variation in individuals. in R. Gentry, ed. Behavior and Ecology of the Northern Fur Seal. Princeton, Princeton University Press.
- Goldstein, L., and B. Murray. 2003. China's Subs Lead the Way. Proceedings, U.S.Nav.Inst., Vol 129(3)1,202 pp.58-61.
- Goodall, R.N.P. 1994a. Commerson's dolphin *Cephalorhynchus commersonii* (Lacépède, 1804). In: Ridgway, S.H. and R. Harrison (eds.). Handbook of marine mammals Vol. 5: the first book of dolphins. Academic Press, London, UK.
- Goodall, R.N.P. 1994b. Chilean dolphin *Cephalorhynchus eutropia* (Gray, 1846). In: Ridgway, S. and R. Harrison (eds.). Handbook of marine mammals Vol. 5: the first book of dolphins. Academic Press, London, UK.
- Goodall, R.N.P. 2002a. Spectacled Porpoise, *Phocoena dioptrica*. Pages 1158-1161. In: W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego, CA, Academic Press.
- Goodall, R.N.P. 2002b. Hourglass dolphin, *Lagenorhynchus cruciger*. Pages 583-585. In: W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego, CA, Academic Press.
- Goodall, R.N.P. 2002c. Peale's dolphin, *Lagenorhynchus australis*. Pages 890-894. In: W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego, CA, Academic Press.
- Goodall, R.N.P., A.R. Galeazzi, S. Leatherwood, K.W. Miller, I.S. Cameron, R.K. Kastelein, and A.P. Sobral. 1988. Studies of Commerson's dolphins, *Cephalorhynchus commersonii*, off Tierra del Fuego, 1976-1984, with a review of information on the species in the South Atlantic. Rep. Int. Whal. Commn., Spec. Issue 9:3-70. Academic Press, London, UK.
- Goold, J.C., and S.E. Jones. 1995. Time and frequency domain characteristics of sperm whale clicks. J. Acoust. Soc. Am. 98: 1279-1291.

- Gordon, J.C.D., D. Gillespie, L.E. Rendell and R. Leaper. 1996. Draft report on playback of ATOC like sounds to sperm whales (*Physeter macrocephalus*) off the Azores. Wildlife Conservation Research Unit, Dept. of Zoology, Oxford, UK.
- Gordon, J.C.D., J.N. Matthews, S. Panigada, A. Gannier, J.F. Borsani, and G. Notarbartolo di Sciara. 2000. Distribution and relative abundance of striped dolphins, and distribution of sperm whales in the Ligurian Sea cetacean sanctuary: results from a collaboration using acoustic monitoring techniques. *Journal of Cetacean Research and Management* 2(1):27-36.
- Gowans, S. 2002. Bottlenose Whales, Pages 128-129 in W. F. Perrin, B. Würsig, and J. G. M. Thewissen, eds. *Encyclopedia of Marine Mammals*. San Diego, Academic Press.
- Grainger, R. 1997. Recent trends in global fishery production
- Gregory, J. and P. Clabburn. 2003. Avoidance behaviour of *Alosa fallax fallax* to pulsed ultrasound and its potential as a technique for monitoring clupeid spawning migration in a shallow river. *Aquatic Living Resources* 16:313-316.
- Greig, D.J., F.M.D. Guland, and C. Kreuder. 2005. A decade of live California sea lion (*Zalophus californianus*) strandings along the central California coast: causes and trends, 1991-2000. *Aquatic Mammals*. 31(1): 11-22.
- Hall, J.D. and C.S. Johnson. 1972. Auditory thresholds of a killer whale *Orcinus orca* Linnaeus. *JASA* 52:515-517.
- Hall, A. J. 2002. Gray Seal, Pages 522-524 in W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. *Encyclopedia of Marine Mammals*. San Diego.
- Hamilton, P.K., G. S. Stone, and S.M. Martin. 1997. Note on a deep humpback whale (*Megaptera novaeangliae*) dive near Bermuda. *Bull. Mar. Sci.* 61:491-494.
- Hammond, P., A. J. Hall, and J. H. Prime. 1994. The diet of grey seals around Orkney and other island and mainland sites in northeastern Scotland. *Journal of Applied Ecology* 31:340-350.
- Hanggi, E. B., and R. J. Schusterman. 1994. Underwater acoustic displays and individual variation in male harbour seals, *Phoca vitulina*. *Animal Behavior* 48:1275-1283.
- Hansen, D.J. and J.D. Hubbard. 1998. Distribution and abundance of Cook Inlet beluga whales in winter. Abstracts of the World Marine Mammal Science Conference, Monaco.
- Hanson, M.B., R.W. Baird, and R.L. DeLong. 1998. Short-term movement and dive behavior of tagged Dall's porpoise in Haro Strait, Washington. Abstracts of the World Marine Mammal Science Convention, Monaco, January 1998. In: Croll et al. (1999).

- Hastings, M.C., A.N. Popper, J.J. Finneran, and P.J. Lanford. 1996. Effects of low-frequency underwater sound on hair cells of the inner ear and lateral line of the teleost fish *Astronotus ocellatus*. *JASA* 99(3):1759-1766.
- Hastings, M. C. and A.N. Popper. 2005. Effects of sound on fish. California Department of Transportation Contract 43A0139 Task Order, 1.
[http://www4.trb.org/trb/crp.nsf/reference/boilerplate/Attachments/\\$file/EffectsOfSoundOnFish1-28-05\(FINAL\).pdf](http://www4.trb.org/trb/crp.nsf/reference/boilerplate/Attachments/$file/EffectsOfSoundOnFish1-28-05(FINAL).pdf)
- Hatakeyama, Y., and H. Soeda. 1990. Studies on echolocation of porpoises taken in salmon gillnet fisheries. In: Thomas, J.A., and R.A. Kastelein (eds) *Sensory Abilities of Cetaceans. Laboratory and Field Evidence*. pp 269-281. Plenum Press, New York.
- Hatakeyama, Y., K. Ishii, T. Akamatsu, H. Soeda, T. Shimamura, and T. Kojima. 1994. A review of studies on attempts to reduce the entanglement of Dall's porpoise, *Phocoenoides dalli*, in the Japanese salmon gillnet fishery. Rep. Int. Whal. Commn., Spec Issue 15: 549-563. In: Croll et al. (1999).
- Hawkins, A.D. and A.D.F. Johnstone. 1978. The hearing of the Atlantic salmon, *Salmo salar*. *J. Fish. Biol.* 13:655-673.
- Hays, G.C., J.D.R. Houghton, and A. Myers. 2004. Pan-Atlantic leatherback turtle movements. *Nature* 429: 522.
- Heath, Carolyn B. 2002. California, Galapagos, and Japanese sea lions. Pages 180-186 in W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. *Encyclopedia of Marine Mammals*. San Diego.
- Heimlich-Boran, J.R., P.G.H. Evans, J.B. Reid, and S. Northridge. 1998. Cetaceans in northwest European waters: using diverse sightings sources to study ecological distribution and related abundance. Abstracts of the World Marine Mammal Science Conference, Monaco, January 1998. In: Croll et al. (1999).
- Heitmeyer, R.M., S.C. Wales, and L.A. Pflug. 2004. Shipping noise predictions: capabilities and limitations. *Marine Technology Society*. 37: 54-65.
- Helweg, D.A., P.W. Moore, L.A. Dankiewicz, J.M. Zafran, and R.L. Brill. 2003. Discrimination of complex synthetic echoes by an echolocating bottlenose dolphin. *J. Acoust. Soc. Am.* 113 (2), February, 2003.
- Herzing, D.L. 1996. Vocalizations and associated underwater behavior of free-ranging Atlantic spotted dolphins, *Stenella frontalis*, and bottlenose dolphins, *Tursiops truncatus*. *Aquatic Mammals* 22.2,61-79.

- Heyning, J.E. 1989. Cuvier's beaked whale *Ziphius cavirostris* (G. Cuvier, 1823). In: Ridgway, S.H. and R. Harrison (eds.). Handbook of Marine Mammals Vol. 4: river dolphins and the larger toothed whales. Academic Press, London, UK.
- Higgs, D.M., Mann, D.A., Souza, M.J., Wilkins, H.R., Presson, J.C., and Popper, A.N. 2001. Age- and Size-Related Changes in the Inner Ear and Hearing Ability of the Adult Zebrafish (*Danio rerio*). J. Assn. Res. Otolaryngol. 3:174-184. DOI: 10.1007/s10162002003
- Hindell, M. A. 2002. Elephant Seals: *Mirounga angustirostris* and *M. leonina*, Pages 370-373 in W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego, CA, Academic Press.
- Hobson, R. P., and A. Martin. 1996. Behaviour and dive times of Arnoux's beaked whales, *Berardius arnuxii*, at narrow leads in fast ice. Canadian Journal of Zoology 74:388-393.
- Holliday, M.C. (Chief), and B.K. O'Bannon. 2002. Fisheries of the United States 2001. National marine Fisheries Service, Office of Science and Technology, Fisheries Statistics and Economics division, NOAA, Department of Commerce. Silver Spring, MD. September 2002.
- Hooker, S.K. and H. Whitehead. 1998. Echolocation of northern bottlenose whales – an analysis of click characteristics and their implications for foraging. Abstracts of the World Marine Mammal Science Conference, Monaco, January 1998.
- Hooker, S. K., and R. W. Baird. 1999. Deep-Diving Behaviour of the Northern Bottlenose Whale, *Hyperoodon ampullatus* (Cetacea: Ziphiidae). Proceedings of the Royal Society of London, Series B, Biological Sciences 266:671-676.
- Horwood, J. 2002. Sei Whale, Pages 1069-1071 in W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego, Academic Press.
- Houser, D.S., D.A. Helweg, and P.W.B. Moore. 2001. A Bandpass filter-bank model of auditory sensitivity in the humpback whale. Aquatic Mammals 27.2:82-91.
- Houston, J. 1991. Status of Cuvier's Beaked Whale, *Ziphius cavirostris*, in Canada. Canadian Field-Naturalist 105:215-218.
- Hoyt, E. 1981. The whale called killer. E.P. Dutton Publisher, NY.
- Hoyt, E. 2001. Whale Watching 2001. International Fund for Animal Welfare. <http://www.ifaw.org/ifaw/general/default.aspx?oid=10196>
- Hui, C.A. 1987. Power and speed of swimming dolphins. Journal of Mammalogy 70: 833-835.

- IFAW. 2001. Report of the Workshop on Right Whale Acoustics: Practical Applications in Conservation, Pages 23 in D. Gillespie, and R. Leaper, eds. Yarmouth Port, MA, International Fund for Animal Welfare.
- Insley, Stephen J. 2000. Long-term vocal recognition in the northern fur seal. *Nature* 406: 404-405.
- International Council for the Exploration of the Sea (ICES). 2005. Ad-Hoc Group on the Impact of Sonar on Cetaceans. ICES AGISC 2005. Copenhagen, Denmark.
- International Whaling Commission (IWC). 1996. Report of the Scientific Committee. Annex H. Report of the sub-committee on small cetaceans. *Rep. Int. Whal. Commn* 46:160-179.
- International Whaling Commission (IWC). 1997. Report of the subcommittee on North Pacific Bryde's whales, annex G, report of the scientific committee., Pages 163-168 in R. o. t. I. W. Commission, ed., 47.
- International Whaling Commission (IWC). 1998. <http://www.ourworld.compuserve.com>. Accessed: September 1998.
- Ishioka, H., Y. Hatakeyama, and S. Sakaguchi. 1988. The hearing ability of the Red Sea bream *Pagrus major*. *Nippon Suisan Gakkaishi* 54:947-951.
- Iverson, R.T.B. 1967. Response to yellow fin tuna to underwater sound. In: Tavolga, W.N. (ed.) *Marine Bio-acoustics*, Vol. 2, pp. 105-121. Pergamon Press, NY.
- Iwai, T. and M. Hisada. 1998. Fishes- Illustrated book of Gakken (in Japanese). Gakken. Accessed 12 October 2005. <http://www.nrmi.go.jp/eng/khirata/fish/general/speed/speede.htm>
- Iwashita, A., M. Sakamoto, T. Kojima, Y. Watanabe and H. Soeda. 1999. Growth effects of auditory threshold of red sea bream. *Nippon Suisan Gakkaishi* 65:833-838.
- Jaquet, N., S. Dawson, and E. Slooten. 2000. Seasonal Distribution and Diving Behaviour of Male Sperm Whales off Kaikoura: Foraging Implications. *Canadian Journal of Zoology* 78:407-419.
- Jaquet, N., S. Dawson, and L. Douglas. 2001. Vocal behavior of male sperm whales: why do they click? *Journal of the Acoustical Society of America* 109:2254-2259.
- Jefferson, T.A. 2002a. Clymene dolphin *Stenella clymene*, Pages 234-236. In: W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. *Encyclopedia of Marine Mammals*. San Diego, CA, Academic Press.

- Jefferson, T.A. 2002b. Dall's Porpoise *Phocoenoides dalli*. pp 308-310. In: W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego, CA, Academic Press.
- Jefferson, T.A. 2002c. Rough-toothed dolphin *Steno bredanensis*, Pages 1055-1059. . In: W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego, CA, Academic Press.
- Jefferson, T.A., M.W. Newcomer, S. Leatherwood, and K. Van Waerebeek. 1994. Right whale dolphins *Lissodelphis borealis* (Peale, 1848) and *Lissodelphis peronii* (Lacépède, 1804) In: Ridgway, S.H. and R. Harrison (eds.). Handbook of marine mammals Vol. 5: The first book of dolphins. Academic Press, London, UK.
- Jefferson, T.A. and N.B. Barros. 1997. *Peponocephala electra*. Mammal Spec. 553:1-6.
- Jefferson, T.A., P.J. Stacey, and R.W. Baird. 1991. A review of killer whale interactions with other marine mammals: predation to co-existence. Mammal Rev. 21:151-180.
- Jefferson, T.A., S. Leatherwood, and M.A. Webber. 1993. FAO species identification guide. Marine mammals of the world. FAO, Rome.
- Jensen, A.S. and G.K. Silber. 2004. Large Whale Ship Strike Database. NOAA Technical Memorandum. NOAA, Department of Commerce, Silver Spring, MD. January 2004.
- Jepson, P.D., M. Arbelo, R Deaville, I.A.P. Patterson, P. Castro, J.R. Baker, E. Degollada, H.M. Ross, P. Herraiez, A.M. Pocknell, F. Rodriguez, F.E. Howie, A. Espinosa, R.J. Reid, J.R. Jaber, V. Martin, A.A. Cunningham, and A. Fernandez. Gas-bubble lesions in stranded cetaceans. Nature. Brief Communications. October 9, 2003.
- Jerko, H., I. Turunen-Rise, P.S. Enger and O, Sand. 1989. Hearing in the eel (*Anguilla anguilla*). J. Comp. Physiol. 165A:455-459.
- Johnson, C.S. 1967. Sound detection thresholds in marine mammals. In: W.N. Tavolga (ed.), Marine bioacoustics, Vol. 2, p. 247-260. Pergamon Press, NY.
- Johnson, C.S., M.W. McManus, D. Skaar. 1989. Masked tonal hearing thresholds in beluga whale. J. Acoust. Soc. Am. 85: 2651-2654.
- Johnson, J.S., J.F. Mayer, and C.H. Spikes. 2002. Surveillance Towed Array Sensor System Low Frequency Active Sonar: A Scientific Paradigm for Federal and State Environmental Compliance (U) (SECRET). U.S. Navy Journal of Underwater Acoustics. Vol. 52 No. 3:725.

- Johnson, M., P.T. Madsen, W.M.X. Zimmer, N. Aguilar de Soto, P.L. Tyack. 2004. Beaked whales echolocation on prey. Proc. R. Soc. Lond. B (Suppl.) 04BL0042.S1-S4.
- Jones, G.J. and L.S. Sayigh. 2002. Geographic variation in rates of vocal production of free-ranging bottlenose dolphins. Marine Mammal Science. 18 (2): 374-393, April 2002.
- Jones, L.L., G.C. Bouchet, and B.J. Turnock. 1987. Comprehensive report on the incidental take, biology and status of Dall's porpoise. International North Pacific Fisheries Commission Document No. 3156. 78 pp. In: Croll et al. (1999).
- Jones, M. L., and S. L. Swartz. 2002. Gray Whale (*Eschrichtius robustus*), Pages 524-536 in W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego, CA, Academic Press.
- Jonsgård, A. and K. Darling. 1977. On the biology of the eastern North Atlantic sei whale, *Balaenoptera borealis*. Rep. Int. Whal. Commn., Spec. Issue 1:124-129.
- Jørgensen, R., Olsen, K. K., Falk-Petersen, I.-B., and Kanapthippilai, P. 2005. "Investigations of potential effects of low frequency sonar signals on survival, development and behaviour of fish larvae and juveniles," The Norwegian College of Fishery Science University of Tromsø N-9037 Tromsø, Norway, Norwegian Defence Research Establishment, Department of Marin Systems, Horten
- Kanwisher, J., and G. Sundnes. 1965. Physiology of a small cetacean. Hvalradets Skrift 48: 45-53. In: Croll et al. (1999).
- Kammaing, C. and J.G. van Velden. 1987. Investigations on cetacean sonar VIII/ Sonar signals of *Pseudorca crassidens* in comparison with *Tursiops truncatus*. Aquat. Mamm. 13:43-49.
- Karlsen, H.E. 1992. Infrasound sensitivity in the plaice (*Pleuronectes platessa*). Journal of Experimental Biology 171:173-187.
- Karlsen, J.D., A. Bisther, C. Lydersen, T. Haug and K.M. Kovacs. 2002. Summer vocalisations of adult white whales (*Delphinapterus leucas*) in Svalbard, Norway. Polar Biol. 25: 8008-817.
- Kasamatsu, F., and G. Joyce. 1995. Current Status of Odontocetes in the Antarctic. Antarctic Science 7:365-379.
- Kasamatsu, F., S. Nishiwaki, and H. Ishiwaka. 1995. Breeding areas and southbound migrations of southern minke whales, *Balaenoptera acutorostrata*. Mar. Ecol. Prog. Ser. 119:1-10.
- Kastak, D., and R. J. Schusterman. 1996. Temporary threshold shift in a harbor seal (*Phoca vitulina*). Journal of the Acoustical Society of America 100:1905-1908.

- Kastak, D. and R.J. Schusterman. 1998. Low-frequency amphibious hearing in pinnipeds: Methods, measurements, noise, and ecology. *J. Acous. Soc. Am.* 103 (4), April 1998.
- Kastak, D. and R.J. Schusterman. 1999. In-air and underwater hearing sensitivity of a northern elephant seal (*Mirounga angustirostris*) *Can. J. Zool.* 77:1751-1758.
- Kastak, D. and R.J. Schusterman. 2002. Sea lions and equivalence: expanding classes by exclusion. *J. Exp. Anal. Behav.* 78(3): 449-465.
- Kastelein, R.A. and M. Hagedoorn. 2003. Audiogram of a striped dolphin (*Stenella coeruleoalba*). *J. Acous. Soc. Am.* 113 (2), February, 2003.
- Kastelein, R.A., and N.M. Gerrits. 1991. Swimming, diving, and respiration patterns of a Northern bottle nose whale (*Hyperoodon ampullatus*, Forster, 1770). *Aquatic Mammals* 17:20-30.
- Kastelein, R.A., P. Bunskoek, M. Hagedoorn, W.W.L. Au, and D. de Haan. 2002. Audiogram of a harbor porpoise (*Phocoena phocoena*) measured with narrow-band frequency-modulated signals. *J. Acoust. Soc. Am.* 112(1): 334-344.
- Kastelein, R.A. R. van Schie, W.C. Verboom, D. de Haan. 2005. Underwater hearing sensitivity of a male and a female Steller sea lion (*Eumetopias jubatus*). *J. Acoust. Soc. Am.* 118 (3): 1820-1829.
- Kasuya, T. 1986. Distribution and behavior of Baird's beaked whales off the Pacific coast of Japan. *Scientific Report of the Whales Research Institute* 37:61-83.
- . 2002. Giant Beaked Whales: *Berardius bairdii* and *B. arnuxii*, Pages 519-522 in W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. *Encyclopedia of Marine Mammals*. San Diego, CA, Academic Press.
- Kasuya, T. and H. Marsh. 1984. Life history and reproductive biology of the short-finned pilot whale, *Globicephala macrorhynchus*, off the Pacific coast of Japan. *Report of the International Whaling Commission Special Issue* 6:259-310.
- Kasuya, T., and M. Nishiwaki. 1971. First record of *Mesoplodon densirostris* from Formosa. *Sci. Rep. Whales Res. Inst.* 23:129-137.
- Kato, H. 2002. Bryde's Whales, Pages 171-176 in W. F. Perrin, B. Würsig, and H. G. M. Thewissen., eds. *Encyclopedia of Marine Mammals*. San Diego, Academic Press.
- Kawamura, A. 1994. A review of baleen whale feeding in the Southern Ocean. *Rep. Int. Whal. Commn.* 44:261-271.

- Keinath, J.A. 1993. Movements and behavior of wild and head-started sea turtles. Ph.D. dissertation, College of William and Mary, Williamsburg, VA.
- Kelly, J.C. and D.R. Nelson. 1975. Hearing thresholds of the horn shark, *Heterodontus francisci*. JASA 58:905-909.
- Kemper, C. M. 2002. Pygmy Right Whale, Pages 1010-1012 in W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego, Academic Press.
- Kenney, R. D. 2002. North Atlantic, North Pacific, and Southern Right Whales (*Eubalaena glacialis*, *E. japonica*, and *E. australis*) in W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego, CA, Academic Press.
- Kenyon, K.W. 1981. Monk seals- Monachus, Pages 195-220 in S.H. Ridgway and R.J. Harrison, eds. Handbook of Marine Mammals Vol 2, Seals. London, Academic Press.
- Ketten, D.R. 1994. Functional analyses of whale ears: adaptations for underwater hearing. IEEE Proc. Underwater Acoustics. 1:264-270.
- Ketten, D.R. 2000. Cetacean Ears, Pages 43-108 in W. W. L. Au, A. N. Popper, and R. R. Fay, eds. Hearing by Whales and Dolphins. New York, Springer-Verlag.
- Ketten, D. 2001. Congressional Testimony House Resources Committee, Subcommittee on Fisheries Conservation, Wildlife and Oceans Hearing: Marine Mammal Protection Act/Low Frequency Sonar. October 11, 2001.
- Ketten, D.R. 2003. Beaked Whale Necropsy Findings, Examinations conducted January, 2000-July, 2001. Woods Hole Oceanographic Institution.
- King, J., K, and M. M. Bryden. 1981. Southern elephant seal *Mirounga leonina* Linnaeus, 1758., Pages 297-327 in S. H. Ridgway, and R. J. Harrison, eds. Handbook of Marine Mammals. London, Academic Press.
- Kinze, C.C. 2002. White-beaked dolphin (*Lagenorhynchus albirostris*) , Pages 1332-1334 in W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego, Academic Press.
- Klimley, A.P. 1993. Highly directional swimming by scalloped hammerhead sharks, *Sphyrna lewini*, and subsurface irradiance, temperature, bathymetry, and geomagnetic field. Marine Biology. 117: 1-22.
- Klimley, A.P. 1995. Hammerhead city. Natural History. 104: 32-39.

- Klimley, A.P. and A.A. Myrberg, Jr. 1979. Acoustic stimuli underlying withdrawal from sound source by adult lemon sharks, *Negaprion brevirostris* (Poey). *Bulletin of Marine Science*, 29:447-458.
- Klimley, A.P. and S.C. Beavers. 1998. Playback of acoustic thermometry of ocean climate (ATOC) - like signal to bony fishes to evaluate phonotaxis. *JASA* 104:4, 2506-2510.
- Knowlton, A.R., C.W. Clark, and S.D. Kraus. 1991. Sounds recorded in the presence of sei whales, *Balaenoptera borealis*. Abstracts of the 9th Biennial Conference on the Biology of Marine Mammals, Chicago, IL, December 1991.
- Knudsen, F. R., P. S. Enger, and O. Sand. 1992. Awareness reactions and avoidance responses to sound in juvenile Atlantic salmon, *Salmo salar*. *L. Journal of Fish Biology* 40:423-534.
- Konigaya, T. 1980. The sound field of Lake Biwa and the effects of construction sound on the behavior of fish. *Bull. Jap. Soc. Sci. Fish.* 46:129-132 (English summary).
- Kooyman, G.L. and F. Trillmich. 1986. Diving behavior of Galapagos sea lions, Pages 209-219 in R.L. Gentry and G.L.Kooyman, eds. *Fur Seals: Maternal strategies on land and at sea*. Princeton. N.J., Princeton University Press.
- Kritzler, H. and L. Wood. 1961. Provisional audiogram for the shark, *Carcharhinus leucas*. *Science* 133:1480-1482.
- Kumar, S.P., N. Ramaiah, M. Gauns, V.V.S.S. Sarma, P.M. Muraleedharan, S. Raghukumar, M.D. Kumar, and M. Madhupratap. 2001. Physical forcing of biological productivity in the Northern Arabian Sea during the Northeast Monsoon. *Deep-Sea Research II* 48: 1115-1126.
- Ladich, F., and Popper, A.N. 2004. Parallel evolution in fish hearing organs. In: *Evolution of the Vertebrate Auditory System* (eds. G.A. Manley, A.N. Popper, and R.R. Fay). Springer-Verlag, New York, 95-127.
- Lammers, M.O., W.W.L. Au, and D.L. Herzing. 2003. The broadband social acoustic signaling behavior of spinner and spotted dolphins. *J. Acoust. Soc. Am.* 114 (3), September 2003.
- Lamont-Doherty Earth Observatory (LDEO). 2004. Marine Mammal Protection and Earth Science Research. LDEO, Columbia University, NY. Accessed: July 2004.
<http://www.ldeo.columbia.edu/res/fac/oma/mmp/>
- Lang, T.G. 1966. Hydrodynamic analysis of cetacean performance. In: Norris, K.S. (ed.). *Whales, porpoises, and dolphins*. University of California Press, Berkeley, CA

- Laurie, A. 1933. Some aspects of respiration in fin and blue whales. *Discovery Reports* 7:365-406.
- Laws, R. M. 1994. History and present status of southern elephant seal populations, Pages 49-65 in B. J. Le Boeuf, and R. Law, eds. *Elephant Seals: Population Ecology, Behavior and Physiology*. Berkeley, University of California Press.
- Leatherwood, S. and M.E. Dahlheim. 1978. Worldwide distribution of pilot whales and killer whales. NOSC Technical Report 295.
- Leatherwood, S. and R.R. Reeves. 1983. *Sierra club handbook of whales and dolphins*. Sierra Club Books, San Francisco, CA
- Leatherwood, S. and R.R. Reeves. 1986. Porpoise and dolphins. In: Haley, D. (ed) *Marine Mammals of the Eastern North Pacific and Arctic Waters*. pp 110-131. Pacific Search Press, Seattle, WA, USA.
- Leatherwood, S., R.R. Reeves, W.F. Perrin, and W.E. Evans. 1988, *Whales, Dolphins, and Porpoises of the Eastern North Pacific and Adjacent Arctic Waters: a Guide to their Identification*. New York, Dover Publications Inc.
- Leatherwood, S., T.A. Jefferson, J.C. Norris, W.E. Stevens, L.J. Hansen, and K.D. Mullin. 1993. Occurrence and sounds of Fraser's dolphins (*Lagenodelphis hosei*) in the Gulf of Mexico. *Texas J Sci*. 45:349-354.
- Leatherwood, S., W.F. Perrin, V.L. Kirby, C.I. Hubbs, and M. Dahlheim. 1980. Distribution and movements of Risso's dolphin, *Grampus griseus*, in the eastern North Pacific. *Fishery Bulletin US* 77:951-963.
- Leatherwood, S. and W. Walker. 1979. The northern right whale dolphin (*Lissodelphis borealis*) in the eastern north Pacific. In: Winn, H.E. and B.L. Olla (eds.). *Behavior of marine animals*. Vol. 3. Cetaceans. Plenum Press, NY.
- LeBoeuf, B.J. 1994. Variations in the diving pattern of northern elephant seals with age, mass, sex, and reproductive condition. In: LeBoeuf and Laws, 1994).
- LeBoeuf, B.J. and L.F. Petrinovich. 1974. Dialects of northern elephant seals, *Mirounga angustirostris*: origin and reliability. *Anim. Behav.* 22(3): 656-663
- LeBoeuf, B.J., and R.M. Laws. 1994, *Elephant Seals: Population Ecology, Behavior, and Physiology*. Berkeley, CA,, University of California Press.
- LeBoeuf, B.J. and R.S. Peterson, 1969. Dialects in elephant seals. *Science* 166(3913): 1654-1656.

- LeDuc, R.G. 2002. Overview of Delphinids, Pages 310-314 in W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego, Academic Press.
- Lenfant, C. 1969. Physiological properties of blood of marine mammals. In: Andersen, H.T. (ed.). The biology of marine mammals. Academic Press, NY.
- Lenhardt, M.L. 1994. Brief presented at the 14th annual symposium on sea turtles biology and conservation, March 1-5, 1994. Hilton Head Island, SC.
- LGL Limited, Environmental Research Associates (LGL). 2003. Request by Lamont-Doherty Earth Observatory for an Incidental Harassment Authorization to Allow the Incidental Take of Cetaceans During Marine Seismic Testing in the Northern Gulf of Mexico, May-June 2003. 25 February, 2003. King City, Ont.
- Ling, John K. 2002. Australian sea lion. Pages 51-54 in W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego.
- Lipsky, J.D. 2002. Right whale dolphins (*Lissodelphis borealis* and *L. peronii*), Pages 1030-1033. In: W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego, CA, Academic Press.
- Ljungblad, D.K., P.D. Scoggins, and W.G. Gilmartin. 1982. Auditory thresholds of a captive eastern Pacific bottle-nosed dolphin *Tursiops* sp. JASA 72:1726-1729.
- Lockyer, C. 1981. Growth and energy budgets of large baleen whales from the southern hemisphere. Mammals in the seas. Vol. 3. Food and Agricultural Organization Fisheries Series 5:379-487.
- Lockyer, C. 1984. Review of baleen whale (Mysticeti) reproduction and implications for management. Rep. Int. Whal. Commn., Spec. Issue 6:27-50
- Lombarte, A., H.Y. Yan, A.N. Popper, J.C. Chang, and C. Platt. 1993. Damage and regeneration of hair cell ciliary bundles in a fish ear following treatment with gentamicin. Hear. Res. 66:166-174.
- Lombarte, A. and A.N. Popper. 1994. Quantitative analyses of postembryonic hair cell addition in the otolithic endorgans of the inner ear of the European hake, *Merluccius merluccius* (Gadiformes, Teleostei). J. Comp. Neurol. 345:419-428.
- Loughlin, T. R. 2002. Stellar's Sea Lion: *Eumetopias jubatus*, Pages 1181-1185 in W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego, CA, Academic Press.
- Lu, Z. and Xu, Z. 2002. Effects of saccular otolith removal on hearing sensitivity of the sleeper goby (*Dormitator latifrons*). J. Comp. Physiol. A 188:595-602.

- Luschi, P., G.C. Hays, and F. Papo. 2003. A review of long-distance movements by marine turtles, and the possible role of ocean currents. OIKOS 103: 293-302.
- Lutz, P.L., J.A. Musick, and J. Wyneken (eds). 2003. The Biology of Sea Turtles Volume II. CRC Press. Boca Raton, FL.
- Lynn, S.K. and D.L. Reiss. 1992. Pulse sequence and whistle production by two captive beaked whales, *Mesoplodon* species. Mar. Mamm. Sci. 8:299-305.
- Mackintosh, N.A. 1965. The stocks of whales. Fishing News (books) Ltd., London.
- MacLeod, C. D. 2000. Review of the Distribution of *Mesoplodon* Species (Order Cetacea, Family Ziphiidae) in the North Atlantic. Mammal Review 30:1-8.
- MacLeod, C. D., M. B. Sanots, and G. J. Pierce. 2003. Review of data on diets of beaked whales: Evidence of niche separation and geographic segregation. Journal of the Marine Biological Association of the United Kingdom 83:651 - 665.
- MacLeod, C.D., S.M. Bannon, G.J. Pierce, C. Schweder, J.A. Learmonth, J.S. Herman, and R.J. Reid. 2005. Climate change and the cetacean community of north-west Scotland. Biological Conservation. 124: 477-483.
- Madsen, P. T., and B. Møhl. 2000. Sperm Whales (*Physeter catodon* L.1758) Do Not React to Sounds from Detonators. Journal of the Acoustical Society of America 107:668-671.
- Madsen, P. T., R. Payne, N. U. Kristiansen, M. Wahlberg, I. Kerr, and B. Mohl. 2002. Sperm whale sound production studied with ultrasound time/depth-recording tags. Journal of Experimental Biology 205:1899-1906.
- Maliukina, G.A. 1960. Hearing in certain Black Sea fishes in connection with ecology and particulars in the structure of their hearing apparatus. Zh. Obschch. Biol. 21:198-205.
- Malme, C.I., P.R. Miles, P. Tyack, C.W. Clark, and J.E. Bird 1985. Investigation of the potential effects of underwater noise from petroleum industry activities on feeding humpback whale behavior. Report No. 5851, prepared by Bolt, Beranek and Newman Inc., Cambridge, USA for U.S. Minerals Management Service, Alaska OCS Office, Anckorage, USA.
- Maniwa, Y. 1971. Effects of vessel noise in purse seining. In: Kristjonnson, H. (ed.). Modern fishing gear of the world.
- Mann, D.A. and S.M. Jarvis. 2004. Potential sound production by a deep-sea fish. J. Acoust. Soc. Am. 115:2331-2333.

- Mann, D.A., W. Tavalga, M. Souza and A.N. Popper. 2001. Ultrasound detection by clupeiform fishes. *J. Acoust. Soc. Am.* 109:3048-3054.
- Mann, D.A., Z. Lu, and A.N. Popper. 1998. Ultrasound detection by a teleost fish. *Nature*, 389-341.
- Marquez, R. 1990. FAO Fisheries Synopsis No. 125 Species Catalogue Volume 11: Sea turtles of the world. Food and Agriculture Organization of the United Nations, Rome.
- Martin, V., A. Servido, and S. Garcia. 2004. Mass strandings of beaked whales in the Canary Islands. Proceedings of the Workshop on Active Sonar and Cetaceans, Held at the European Cetacean Society's 17th Annual Conference, Auditorio Alfredo Kraus, Las Palmas, Gran Canaria, 8th March 2003.
- Maser, C., B.R. Mate, J.F. Franklin, and C.T. Dyrness. 1981. Natural history of Oregon coast mammals. U.S. Department of Agriculture. For. Ser. Gen. Tech. Rep. PNW-133, Portland, OR.
- Mate, B. R., B. A. Lagerquist, and J. Calambokidis. 1999. Movements of North Pacific Blue Whales During the Feeding Season off Southern California and Their Southern Fall Migration. *Marine Mammal Science* 15:1246-1257.
- Mate, B. R., K. A. Rossbach, S. L. Nieukirk, R. S. Wells, A. B. Irvine, M. D. Scott, and A. J. Read. 1995. Satellite-Monitored Movements and Dive Behaviour of a Bottlenose Dolphin (*Tursiops truncatus*) in Tampa Bay, Florida. *Marine Mammal Science* 11:452-463.
- Mate, B.R., K.M. Stafford, R. Nawojchik, and J.L. Dunn. 1994. Movements and dive behavior of a satellite-monitored Atlantic white-sided dolphin (*Lagenorhynchus acutus*) in the Gulf of Maine. *Mar. Mamm. Sci.* 10:116-121.
- Mate, B.R., S.L. Nieukirk, and S.D. Kraus. 1997. Satellite-monitored movements of the northern right whale. *J. Wildl. Manage.* 61:1393-1405.
- Mate, B.R., S.L. Nieukirk, R.S. Mesecar, and T.J. Martin. 1992. Application of remote sensing for tracking large cetaceans: Atlantic right whales. Report Contract No. 14-12-0001-30411, U.S. Minerals Management Service.
- Matthews, J.N., S. Brown, D. Gillespie, R. McManaghan, A. Moscrop, D. Nowacek, R. Leaper, T. Lewis, and P. Tyack. 2001. Vocalization rates of the North Atlantic right whale (*Eubalaena glacialis*). *Journal of Cetacean Research and Management* 3:271-282.
- McAlpine, D. F. 2002. Pygmy and Dwarf Sperm Whales: *Kogia breviceps* and *K. sima*, Pages 1007-1009 in W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. *Encyclopedia of Marine Mammals*. San Diego, CA, Academic Press.

- McCauley, R.D., J. Fewtrell, A.J. Duncan, C. Jenner, M.N. Nenner, J.D. Penrose, R.I.T. Prince, A. Adhitya, J. Nurdoch and K. McCabe. 2000. Marine seismic surveys: a study of environmental implications. *APPEA Journal*. Pp. 692-708.
- McCauley, R. D., J. Fewtrell, and A.N. Popper. 2003. "High intensity anthropogenic sound damages fish ears." *J. Acoust. Soc. Am.* 113: 638-642.
- McCowan, B. and D. Reiss. 2001. The fallacy of 'signature whistles' in bottlenose dolphins: a comparative perspective of 'signature information' in animal vocalizations. *Animal Behaviour*. 62: 1151-1162.
- McCowan, B. and D. Reiss. 1995. Quantitative comparison of whistle repertoires from captive adult bottlenose dolphins (*Delphinidae*, *Tursiops truncatus*): a re-evaluation of the signature whistle hypothesis. *Ethology* 100: 194-209.
- McCowan, B., S. F. Hanser, and L. R. Doyle. 1999. Quantitative tools for comparing animal communication systems: information theory applied to bottlenose dolphin whistle repertoires. *Animal Behaviour*. 57: 409-419.
- McDonald, M. A., J. Calambokidis, A. M. Teranishi, and J. A. Hildebrand. 2001. The acoustic calls of blue whales off California with gender data. *Journal of the Acoustical Society of America* 109: 1728-1735.
- McDonald, M.A., J.A. Hildebrand, and S.C. Webb. 1995. Blue and fin whales observed on a seafloor array in the northeast Pacific. *J. Acoust. Soc. Am.* 98: 712-721.
- McDonald, M.A., and S.E. Moore. 2002. Calls reported from North Pacific right whales (*Eubalaena japonica*) in the eastern Bering Sea. *Journal of Cetacean Research and Management* 4: 261-266
- McLeod, P.J. 1986. Observations during the stranding of one individual from a pod of pilot whales, *Globicephala melaena*, in Newfoundland. *Can. Field-Nat.* 100(1):137-139.
- Mead, J. G. 1989. Beaked whales of the genus *Mesoplodon*, Pages 349-430 in S. H. Ridgway, and R. Harrison, eds. *Handbook of Marine Mammals*, Volume 4: River Dolphins and Toothed Whales. San Diego, CA, Academic Press.
- Mead, J.G. 2002a. Beaked Whales, Overview. pp 81-84. in W. F. Perrin, B. Wursig, and J. G. M. Thewissen, eds. *Encyclopedia of Marine Mammals*. San Diego, Academic Press
- Mead, J.G. 2002b. Shepherd's Beaked Whale, pp 1078-1081 in W. F. Perrin, B. Wursig, and J. G. M. Thewissen, eds. *Encyclopedia of Marine Mammals*. San Diego, Academic Press.

- Mead, J. G., and P. M. Payne. 1975. A Specimen of the Tasman Beaked Whale, *Tasmacetus shepherdi*, from Argentina. *Journal of Mammalogy* 56:213-218.
- Medwin, H. and C.S. Clay. 1998. *Fundamentals of acoustic oceanography*. Academic Press, San Diego, CA.
- Mellinger, D.K. and C.W. Clark. 2000. Recognizing transient low-frequency whale sounds by spectrogram correlation. *JASA* 107:3518-3529.
- Mellinger, D. K., and C. W. Clark. 2003. Blue whale (*Balaenoptera musculus*) sounds from the North Atlantic. *Journal of the Acoustical Society of America* 114:1108-1119.
- Miller, E.H. and D.A. Job. 1992. Airborne acoustic communication in the Hawaiian monk seal, *Monachus schauinslandi*, Pages 485-531 in J.A. Thomas, R.A. Kastelein, and A.Ya. Supin, eds. *Marine Mammal Sensory Ststems*. New York, Plenum.
- Miller, P.J.O., and D.E. Bain. 2000. Within-pod variation in the sound production of a pod of killer whales, *Orcinus orca*. *Animal Behavior* 60: 617-628.
- Mitchell, E.D. (ed.). 1975. Review of biology and fisheries for smaller cetaceans. Report of the meeting on smaller cetaceans in Montreal, April 1-11, 1974. *J. Fish. Res. Bd. Can.* 32:889-983.
- Mitson, R. W. 1995. Underwater noise of research vessels: Review and recommendations. ICES Cooperative Research Report 209, Copenhagen.
- Miyashita, T. 1993. Abundance of dolphin stocks in the western North Pacific taken by the Japanese drive fishery. *Rep. Int. Whal. Commn.* 43:417-437.
- Miyazaki, N. and W.F. Perrin. 1994. Rough-toothed dolphin *Steno bredanensis* (Lesson, 1828). In: Ridgway, S.H. and R. Harrison (eds.). *Handbook of marine mammals Vol. 5: The first book of dolphins*. Academic Press, London.
- Mizue, K., and K. Yoshida. 1965. On the porpoises caught by the salmon fishing gill-net in the Bering Sea and the North Pacific Ocean. *Bull. Faculty Fish., Nagasaki Univ* 19:1-36. In: Croll et al. (1999).
- Mobley, Joseph R. 2005. Assessing responses of humpback whales to North Pacific Acoustic Laboratory (NPAL) transmissions: Results of 2001-2003 aerial surveys north of Kauai. *J. Acous. Soc. Am.* 117 (3), 2 March 2005.
- Møhl, B. 1968. Hearing in seals. In: Harrison, R.J., R.C. Hubbard, R.S. Peterson, C.E. Rice, and R.J. Schusterman (eds.). *The behavior and physiology of pinnipeds*. Appleton-Century-Crofts, NY.

- Mohl, B., M. Wahlberg, P. Madsen, A. Heerfordt, and A. Lund. 2003. The Monopulsed Nature of Sperm Whale Clicks. *Journal of the Acoustical Society of America* 114:1143-1154.
- Mohl, B., M. Wahlberg, P. T. Madsen, L. A. Miller, and A. Surlykke. 2000. Sperm whale clicks: Directionality and source level revisited. *Journal of the Acoustical Society of America* 107:638-648.
- Moore, P.W.B. and R.J. Schusterman. 1987. Audiometric assessment of northern fur seals, *Callorhinus ursinus*. *Mar. Mamm. Sci.* 3(1):31-53.
- Moore, M.J. and G.A. Early. Cumulative sperm whale bone damage and the bends. *Science*. 36: 2215.
- Moore, S.E. and D.P. DeMaster. 1999. Effects of global climate change on the ecology of whales in the Arctic. International Whaling Commission, Grenada, National Marine Mammal Laboratory, Seattle, WA.
- Moore, S.E. and D.K. Ljungblad. 1984. Gray whales in the Beaufort, Chukchi, and Bering seas: Distribution and sound production. In: Jones, M.L., S.L. Swartz, S. Leatherwood (eds.). *The gray whale *Eschrichtius robustus**. Academic Press, San Diego, CA
- Moore, S.E. and J.T. Clarke. 2002. Potential impact of offshore human activities on gray whales (*Eschrichtius robustus*). *J. Cetacean Res. Manage.* 4(1): 19-25.
- Moore, S.E. and S.H. Ridgway. 1995. Whistles produced by common dolphins from the southern California Bight. *Aquat. Mamm.* 21:55-63.
- Montgomery, J.C., S. Coombs, and M. Halstead. 1995. Biology of the mechanosensory lateral line. *Reviews in Fish Biology and Fisheries* 5:399-416.
- Morreale, S. J., E.A. Standora, J.R. Spotila and F.V. Paladino. 1996. Migration corridor for sea turtles. *Nature* 384:319-320.
- Mortimer, J.A. and A. Carr. 1987. Reproduction and migrations of the Ascension Island green turtle (*Chelonia mydas*). *Copia* 1987:103-113.
- Mrosovsky, N. 1972. The water-finding ability of sea turtles: Behavioral studies and physiological speculation. *Brain Behav. Evol.* 5:202-205.
- Murray, S.O., E. Mercado and H.L. Roitblat. 1998. Characterizing the graded structure of false killer whales (*Pseudorca crassidens*) vocalizations. *J. Acoust. Soc. Am.* 104(3)Pt1: 1679-1688.

- Musick, J.A. and C.J. Limpus. 1997. Habitat utilization and migration in juvenile sea turtles. In: Lutz, P. and J.A. Musick (eds.). *Biology of sea turtles*. CRC Press, Inc., Boca Raton, FL.
- Myrberg, Jr., A.A., 1978. Underwater sound - its effect on the behavior of sharks. In: *Sensory biology of sharks, skates and rays*. E.S. Hodgson, R.F. Mathewson (eds.). U.S. Government Printing Office, Washington, DC. pp. 391-417.
- Myrberg, Jr., A.A. 1980. Ocean noise and the behavior of marine animals: relationships and implications. In: Diemer, F.P., P.J. Vernberg, N.P. Barroy, and D.Z. Mirkes (eds.) *advanced concepts in ocean measurements for marine biology*. Univ. South Carolina Press, Columbia, SC pp. 461-491.
- Myrberg, Jr., A.A. 1981. Sound communication and interception in fishes. In: Tavolga, W.N., A.N. Popper, and R.R. Fay (eds.), *hearing and sound communication in fishes*. Springer-Verlag, NY. pp. 395-425.
- Myrberg, Jr., A.A. 1990. The effects of man-made noise on the behavior of marine mammals. *Env. Int.* 16: 575-586.
- Myrberg, A.A., C.R. Godron and A.P. Klimley, 1976. Attraction of free ranging sharks by low frequency sound, with comments on its biological significance. In: *Sound reception in fish*. A. Schuiff, A.D. Hawkins (eds.). Elsevier, Amsterdam. pp. 205-228.
- Myrberg, Jr., A.A., C.R. Gordon, and A.P. Klimley. 1978. Rapid withdrawal from a sound source by open-ocean sharks. *JASA* 64:1289-1297.
- Myrberg, A.A. and J.Y. Spires. 1980. Hearing in damselfishes: an analysis of signal detection among closely related species. *J. Comp. Physiol.* 140:135-144.
- Myrberg, A.A., S.J. Ha, S. Walewski, and J.C. Banbury. Effectiveness of acoustic signals in attracting epipelagic sharks to an underwater sound source. *Bull. Mar. Sci.* 22: 926-949.
- Nagai, H. 1999. *Fluid dynamics learned from dolphins* (in Japanese). Ohm Books. Accessed 12 October 2005. <http://www.nmri.go.jp/eng/khirata/fish/general/speed/speede.htm>
- National Geographic. 2005. *Atlas of the World*, 8th Edition. National Geographic, Washington, D.C.
- National Marine Fisheries Service (NMFS). 2002a. Supplemental Biological Opinion: Proposed letter of authorization to authorize Navy to take marine mammals incidental to its employment of Surveillance Towed Array Sensor System Low Frequency Active Sonar for the period August 16, 2002, through August 15, 2003. U.S. Dept. of Comm., NOAA, NMFS. Silver Spring, MD. 16 August 2002.

- National Marine Fisheries Service (NMFS). 2002b. NOAA Fisheries 2001 Report. U.S. Department of Commerce, NOAA, National Marine Fisheries Service. Silver, Spring, MD. 48 pp.
- National Marine Fisheries Service (NMFS). 2003. Minke Whale (*Balaenoptera acustorostrata*): California/Oregon/Washington Stock. Stock Assessment Report. National Marine Fisheries Service, Silver Spring, MD.
- National Marine Fisheries Service (NMFS). 2004a. Right Whale (*Balaenoptera acustorostrata*): California/Oregon/Washington Stock. Stock Assessment Report. National Marine Fisheries Service, Silver Spring, MD.
- National Marine Fisheries Service (NMFS). 2004b. Report to Congress: Review of Commercial Fisheries' Progress Toward Reducing Mortality and Serious Injury of Marine Mammals Incidental to Commercial Fishing Operations. National Marine Fisheries Service, Office of Protected Resources, NOAA Department of Commerce. Silver Spring, MD.
- National Marine Fisheries Service (NMFS). 2005. Blue Whale (*Balaenoptera musculus*): Eastern North Pacific Stock. Stock Assessment Report. National Marine Fisheries Service, Silver Spring, MD.
- National Marine Fisheries Service and U.S. Fish and Wildlife Service. 1991a. Recovery Plan for U.S. Populations of Atlantic Green Turtles. National Marine Fisheries Service, Washington, D.C.
- National Marine Fisheries Service and U.S. Fish and Wildlife Service. 1991b. Recovery Plan for U.S. Populations of Loggerhead Turtle. National Marine Fisheries Service, Washington, D.C.
- National Marine Fisheries Service and U.S. Fish and Wildlife Service. 1992. Recovery Plan for the Kemp's Ridley Sea Turtle (*Lepidochelys kempii*). National Marine Fisheries Service, St. Petersburg, FL.
- National Marine Fisheries Service and U.S. Fish and Wildlife Service. 1993. Recovery Plan for Hawksbill Turtles in the U.S. Caribbean, Atlantic, and Gulf of Mexico. National Marine Fisheries Service, St. Petersburg, FL.
- National Marine Fisheries Service and U.S. Fish and Wildlife Service. 1998a. Recovery Plan for U.S. Pacific Populations of Leatherback Turtles (*Dermochelys coriacea*). National Marine Fisheries Service, Silver Spring, MD.
- National Marine Fisheries Service and U.S. Fish and Wildlife Service. 1998b. Recovery Plan for U.S. Pacific Populations of Green Turtles (*Chelonia mydas*). National Marine Fisheries Service, Silver Spring, MD.

- National Marine Fisheries Service and U.S. Fish and Wildlife Service. 1998c. Recovery Plan for U.S. Pacific Populations of East Pacific Green Turtles (*Chelonia mydas*). National Marine Fisheries Service, Silver Spring, MD.
- National Marine Fisheries Service and U.S. Fish and Wildlife Service. 1998d. Recovery Plan for U.S. Pacific Populations of the Loggerhead Turtle (*Caretta caretta*). National Marine Fisheries Service, Silver Spring, MD.
- National Marine Fisheries Service and U.S. Fish and Wildlife Service. 1998e. Recovery Plan for U.S. Pacific Populations of the Hawksbill Turtle (*Eretmochelys imbricata*). National Marine Fisheries Service, Silver Spring, MD.
- National Marine Fisheries Service and U.S. Fish and Wildlife Service. 1998f. Recovery Plan for U.S. Pacific Populations of the Olive Ridley Turtle (*Lepidochelys olivacea*). National Marine Fisheries Service, Silver Spring, MD.
- National Oceanic and Atmospheric Administration/National Marine Fisheries Service (NOAA/NMFS). 2002. Report of the Workshop on Acoustic Resonance as a Source of Tissue Trauma in Cetaceans. April 24 and 25, 2002, Silver Spring, Maryland. November 2002.
- National Oceanic and Atmospheric Administration and the U.S. Fish and Wildlife Service (NOAA and USFWS). 2004. Interim report on the bottlenose dolphin (*Tursiops truncatus*) unusual mortality event along the panhandle of Florida, March-April 2004. Southeast Fisheries Science Center, Marine Mammal Program.
- National Research Council (NRC). 1990. Decline of the sea turtles. NRC, National Academy of Sciences, Washington, DC.
- National Research Council (NRC). 2003. Ocean Noise and Marine Mammals. National Academy Press. Washington, D.C.
- National Research Council (NRC). 2005. Marine Mammal Populations and Ocean Noise: Determining When Noise Causes Biologically Significant Effects. National Academy Press. Washington, D.C.
- Natural History Museum of Tokyo. 2005. Marine Mammal Stranding Database. http://svrsh1.kahaku.go.jp/database_english/frameset.html
- Naval Oceanographic Office. 1999. Fleet Oceanographic and Acoustic Reference Manual. RP 33. Commander Naval Meteorology and Oceanography Command. Stennis Space Center, MS.
- Nedwell, J.R., B. Edwards, A.W.H. Turnpenny, and J. Gordon. 2004. Fish and Marine Mammal Audiograms: A Summary of Available Information. September 3, 2004.

- Nelson, D.R. 1967. Hearing thresholds, frequency discrimination, and acoustic orientation in the lemon shark, *Negaprion brevirostris* (Poey). *Bull. Mar. Sci.* 17:741-768.
- Nelson, D.R. and J. Lien. 1996. The status of the long-finned pilot whale, *Globicephala melas*, in Canada. *Can. Field-Nat.* 110:511-524.
- Nelson, D.R. and R.H. Johnson. 1970. Acoustic studies on sharks: Rangiroa Atoll, July 1969. ONR Technical Report 2, No. N00014-68-C-0138.
- Nelson, D.R. and S.H. Gruber. 1963. Sharks: Attractions by low-frequency sounds. *Science* 142:975-977.
- Nelson, D.R. and R.H. Johnson. 1972. Acoustic attraction of Pacific reef sharks: Effect of pulse intermittency and variability. *Comp. Biochem. Physiol.* 42A:85-95.
- Nelson, D.R. and R.H. Johnson. 1976. Some recent observations on acoustic attraction of Pacific reef sharks. In: Schuiff, A. and A.D. Hawkins (eds.). *Sound reception in fish.* Elsevier, Amsterdam. p. 229-239.
- Nelson, J.S. 1994. *Fishes of the world.* 3rd edition. John Wiley & Sons, NY.
- Nemoto, T. and A. Kawamura. 1977. Characteristics and food habits and distribution of baleen whales with special reference to the abundance of North Pacific sei and Bryde's whales. *Rep. Int. Whal. Commn., Spec. Issue* 1:80-87.
- Nishiwaki, S., and N. Oguro. 1972. Catch of the Cuvier's Beaked Whales off Japan in Recent Years. *Scientific Reports of the Whale Research Institute* 24:35-41.
- Norris, K.S. 1969. The echolocation of marine mammals. In: Andersen, H.T. (ed.). *The biology of marine mammals.* Academic Press, NY
- Norris, K.S., B. Würsig, R.S. Wells, and M. Würsig. 1994. *The Hawaiian spinner dolphin.* Univ. Calif. Press., Berkeley, CA.
- Norris, K.S. and J.H. Prescott. 1961. Observations on Pacific cetaceans of Californian and Mexican waters. *Univ. Calif. Publ. Zool.* 63(4):291-402.
- Norris, K.S. and W.E. Evans. 1967. Directionality of echolocation clicks in the rough-toothed porpoise, *Steno bredanensis* In: W.N. Tavolrough (ed.) *Marine bioacoustics, Vol. 2.* Pergamon, Oxford, UK.
- North Atlantic Treaty Organization (NATO). 1998. Summary Record, SACLANTCEN Bioacoustics Panel; Summary Record, SACLANTCEN Marine Mammal Environmental and Mitigation Procedures Panel; SACLANTCEN Human Diver and Marine Mammal

Environmental Policy and SACLANTCEN Uman Diver and Marine Mammal Risk Mitigation Rules. SACLANT Undersea Research Center.

- Northridge, S.P. 1991. An updated world review of interactions between marine mammals and fisheries. FAO Technical Paper No. 251, Suppl. 1. Rome, Italy. 58 pp.
- O'Corry-Crowe, G. M. 2002. Beluga Whale, Pages 94-98 in W. F. Perrin, B. Wursig, and J. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego, Academic Press.
- Odell, D.K. and K.M. McClune. 1999. False killer whale *Pseudorca crassidens* (Owen, 1846) In: Ridgway, S.H. and R. Harrison (eds.). Handbook of marine mammals Vol. 6: the second book of dolphins and the porpoises. Academic Press, London, UK.
- Offutt, G.C. 1970. Acoustic stimulus perception by the American lobster (*Homarus americanus*) (Decapoda). *Experientia* 26:1276-1278.
- O'Hara, J. and J.R. Wilcox. 1990. Avoidance responses to loggerhead turtles, *Caretta caretta*, to low frequency sound. *Am. Soc. Ichthyologists and Herpetologists*. pp. 564-567.
- Ohizumi, H., T. Isoda, T. Kishiro, and H. Kato. 2002. Feeding habits of Baird's beaked whale *Berardius bairdii*, in the western North Pacific and Sea of Okhotsk off Japan. *Fisheries Science*. 69: 11-20.
- Oliver, G. W. 1978. Navigation in mazes by a grey seal, *Halichoerus grypus*. *Behaviour* 67:97-114.
- Olla, B.L. 1962. The perception of sound in small hammerhead sharks, *Sphyrna lewini*. M.S. thesis, University of Hawaii.
- Olson, E.M., J. Barlow, J. Gordon, S. Rankin, and J.A. Hildebrand. 2003. Low frequency calls of Bryde's whales. *Mar. Mam. Sci.* 19:406-419.
- Olson, P.A., and S.B. Reilly. 2002. Pilot Whales *Globicephala melas* and *G. macrorhynchus*. pp 898-903 in W. F. Perrin, B. Wursig, and J. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego, Academic Press.
- Omura, H. 1959. Bryde's whales from the coast of Japan. *Sci. Rep. Whales Res. Inst.* 14:1-33.
- Omura, H., K. Fujino, and S. Kimura. 1955. Beaked Whale *Berardius bairdi* of Japan, with Notes on *Ziphius cavirostris*. *The Scientific Reports of the Whales Research Institute* 10:89-132.
- Ontini, M. 1998. Underwater magazine: ROV: Analysis and evolution of the market. <http://divweb.com/uw/archives>.

- Oswald, J.N., J. Barlow, and T.F. Norris. 2003. Acoustic identification of nine delphinid species in the Eastern Tropical Pacific Ocean. *Mar. Mam. Sci.* 19(1): 20-37.
- Panetta, L.E. (PEW) (Chair). 2003. America's Living Oceans Charting a Course for Sea Changer, A Report to the Nation, Recommendations for a New Ocean Policy. May 2003. Pew Oceans Commission.
- Panigada, S., G. Notarbartolo di Sciara, M. Zanardelli Panigada, A. Airoidi, J. Fabrizio Borsani, M. Jahoda, G. Pesante, and E. Revelli. 1999. Distribution and occurrence of fin whales in the Ligurian Sea between 1990-1999. Tethys Research Institute. Italy.
- Papastavrou, V., S. C. Smith, and H. Whitehead. 1989. Diving behaviour of the sperm whale, *Physeter macrocephalus*, off the Galapagos Islands. *Canadian Journal of Zoology* 67:839-846.
- Park, Y.S., T. Mukai and Y. Sakurai. 1995. Auditory characteristics of walleye pollock *Theragra chalcogramma* (Pallus). *Nippon Suisan Gakkaishi* 61:159-163.
- Parks, S.E. 2003. Response of North Atlantic right whales (*Eubalaena glacialis*) to playback of calls recorded from surface active groups in both the north and south Atlantic. *Mar. Mamm. Sci.* 19(3): 563-580.
- Parks, S.E., D.R. Ketten, J.T. O'Mally, and J. Arruda. 2001. Hearing in the North Atlantic right whale: Anatomical predictions. *J. Acous. Soc. Am.* 115(5): 2442
- Parks, S.E. and P.L. Tyack. 2005. Sound production by North Atlantic right whales (*Eubalaena glacialis*) in surface active groups. *J. Acoust. Soc. Am.* 117(5): 3297-3306.
- Patterson, B. and G.R. Hamilton. 1964. Repetitive 20 cycle per second biological hydroacoustic signals at Bermuda In: Tavalga, W.N. (ed.). *Marine bio-acoustics*. Vol. 1. Pergamon Press, Oxford.
- Pavan, G., T. J. Hayward, J. F. Borsani, M. Priano, M. Manghi, C. Fossati, and J. Gordon. 2000. Time patterns of sperm whale codas recorded in the Mediterranean Sea 1985-1996. *Journal of the Acoustical Society of America* 107:3487-3495.
- Payne, R., and K. Payne. 1971. Underwater sounds of southern right whales. *Zoologica* 58:159-165.
- Perrin, W.F. 1989. Dolphins, porpoises, and whales. An action plan for the conservation of biological diversity:1989-1992. IUCN/SSC Cetacean Specialist Group, U.S. National Marine Fisheries.
- Perrin, W. F. 2002a. Atlantic spotted dolphin, *Stenella frontalis*, Pages 47-49 in W. F. Perrin, B. Wursig, and J. G. M. Thewissen, eds. *Encyclopedia of Marine Mammals*. San Diego.

- Perrin, W. F. 2002b. Common dolphin (*Delphinus delphis*, *D. capensis*, and *D. tropicalis*). Pages 245-248 in W. F. Perrin, B. Würsig, and J. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego
- Perrin, W. F. 2002c. Spinner dolphin, *Stenella longirostris*, Pages 1174-1178 in W. F. Perrin, B. Würsig, and J. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego.
- Perrin, W. F. 2002d. Pantropical spotted dolphin, *Stenella attenuata*, Pages 1174-1178 in W. F. Perrin, B. Würsig, and J. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego.
- Perrin, W.F. and A.A. Hohn. 1994. Pantropical spotted dolphin *Stenella attenuata* In: Ridgway, S.H. and R. Harrison (eds.). Handbook of marine mammals Vol. 5: the first book of dolphins. Academic Press, London, UK.
- Perrin, W.F. and J.W. Gilpatrick, Jr. 1994. Spinner dolphin *Stenella longirostris* (Gray, 1828) In: Ridgway, S.H. and R. Harrison (eds.). Handbook of marine mammals Vol. 5: the first book of dolphins. Academic Press, London, UK.
- Perrin, W. F., and R. L. Brownell Jr. 2002. Minke Whales, Pages 750-754 in W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego, Academic Press.
- Phillips, Jennifer D., Paul E. Nachtigal, Whitlow W.L. Au, Jeffery L. Pawlowki, and Herbert L. Roitblat. 2003. Echolocation in the Risso's dolphin, *Grampus griseus*. J. Acoust. Soc. Am. 113 (1), January 2003.
- Piantadosi, C.A., and E.D. Thalmann. 2004. Whales, sonar, and decompression sickness. *Nature*. Brief Communications, April 15, 2004.
- Pierson, M.O. 1987. Breeding behavior of the Guadalupe fur seal, *Arctocephalus townsendi*. in Croxall, J.P., Gentry R.L. (eds). Status, biology, and Ecology of fur seals. NOAA Technical Report NMFS 51:83-94.
- Pitman, R.L., D.M. Palacios, P.L. Rodriguez, B.J. Brennan, K.C. Balcomb, and T. Miyashita. 1998. Probable sightings of Longman's beaked whale (*Indopacetus [Mesoplodon] pacificus*) from the equatorial Indian and Pacific oceans. Abstracts of the World Marine Mammal Science Conference, Monaco, January 1998.
- Plotkin, P.T. (Editor). 1995. National Marine Fisheries Service and the U.S. Fish and Wildlife Service Status Reviews for Sea Turtles Listed Under the Endangered Species Act of 1973. National Marine Fisheries Service, Silver Spring, MD.

- Plotkin, P.T. 2003. Adult Migrations and Habitat Use *in* The Biology of Sea Turtles Volume II. CRC Press. Pp. 225-241.
- Poggendorf, D. 1952. Die absoluten Hörschwellen des Zwergwelses (*Amiurus nebulosus*) und Beiträge zur Physik des Weberschen Apparatus der Ostariophysen. *Z. verg. Physiol.* 34:222-257.
- Ponganis, P. J., and G. L. Kooyman. 1995. Multiple Sightings of Arnoux's Beaked Whales Along the Victoria Land Coast. *Marine Mammal Science* 11:247-250.
- Popper, A.N. 1980. Sound emission and detection by delphinids. In: Herman, L.M. (ed), *Cetacean Behavior: Mechanisms and Functions*. Pp. 1-52. John Wiley and Sons, New York.
- Popper, A.N. 1980. Scanning electron microscopic studies of the sacculus and lagena in several deep-sea fishes. *Am. J. Anat.* 157:115-136.
- Popper, A.N. 2005 (Unpublished). Memorandum on comments on the Declaration of Andrew W.H. Turnpenny in Support of Plaintiff Motion for Summary Judgement, No. C 02-3805. 26 October 2005.
- Popper, A. N., J. Fewtrell, M.E. Smith, and R.D. McCauley. 2004. "Anthropogenic sound: Effects on the behavior and physiology of fishes." *MTS J.* 37, 35-40
- Popper, A.N., M. Salmon, and K.W. Horch. 2001. Acoustic detection and communication by decapod crustaceans. *J. Comp. Physiol. A.* 187: 83-89.
- Popper, A. N., M.E. Smith, P.A. Cott, B.W. Hanna, A. O. MacGillivray, M.E. Austin, D.A. Mann. 2005. Effects of exposure to seismic airgun use on hearing of three fish species. *J. Acoust. Soc. Am.*,117: 958-971.
- Popper, A.N. and N.L. Clarke. 1976. The auditory system of the goldfish (*Carassius auratus*): effects of intense acoustic stimulation. *Comp. Biochem. Physiol.* 53A:11-18.
- Popper, A.N. and R.R. Fay. 1973. Sound detection and processing by teleost fishes: a critical review. *J. Acoust. Soc. Amer.* 53:1515-1529.
- Popper, A.N. and R.R. Fay. 1993. Sound detection and processing by fish: Critical review and major research questions. *Brain Behav. Evol.* 41:14-38
- Popper, A.N. and R.R. Fay. 1997. Evolution of the ear and hearing: Issues and questions. *Brain Behav. Evol.* 50:213-221.

- Popper, A.N. and R.R. Fay. 1999. The auditory periphery in fishes. In: Fay, R.R. and A.N. Popper (eds.). *Comparative hearing: fish and amphibians*. Springer-Verlag, NY. p. 43-100.
- Popper, A.N., R.R. Fay, C. Platt, and O. Sand. 2003. Sound detection mechanisms and capabilities of teleost fishes. In: *Sensory Processing in Aquatic Environments* (eds. S.P. Collin and N.J. Marshall). Springer-Verlag, New York, pp. 3-38.
- Popper, A.N. and S. Coombs. 1982. The morphology and evolution of the ear in Actinopterygian fishes. *Amer. Zool.* 22:311-328.
- Popper, A.N., and W.N. Tavolga. 1981. Structure and function in the ear of the marine catfish, *Arius felis*. *J. Comp. Physiol.* 144: 27-34. In Fay (1988).
- Poulter, T. C. 1968. Underwater vocalization and behavior of pinnipeds, Pages 69-84 in R. J. Harrison, R. C. Hubbard, S. B. Peterson, C. E. Rice, and R. J. Schusterman, eds. *The Behavior and Physiology of Pinnipeds*. New York, Appleton-Century-Crofts.
- The Professional Association of Diving Instructors (PADI). 2004. PADI Diver Statistics. <http://www.padi.com/english/common/padi/statistics/> Access date: June 2004.
- Pritchard, P.C.H. 1997. Evolution, phylogeny, and current status In: Lutz, P., and J. Musick (eds.). *The biology and conservation of sea turtles*. CRC Press, Inc., Boca Raton, FL.
- Pryor, T., K. Pryor, and K.S. Norris. 1965. Observations of a pygmy killer whale (*Feresa attenuate* Gray) from Hawaii. *J. Mammal.* 46(3): 450-461. In Richardson et al., 1995.
- Ramcharitar, J., Higgs, D.M., and Popper, A.N. 2001. Sciaenid inner ears: A study in diversity. *Brain Behav. Evol.* 58:152-162.
- Ramcharitar, J.U., Deng, X., Ketten, D., and Popper, A.N. 2004. Form and function in the unique inner ear of a teleost fish: The silver perch (*Bairdiella chrysoura*). *J. Comp. Neurol.*, 475:531-539.
- Ramcharitar, J. U., and Popper, A. N. 2004. Masked auditory thresholds in sciaenid fishes: a comparative study. *J. Acoust. Soc. Am.*, 116:1687-1691.
- Rasmussen, M.H., L.A. Miller, and W.W.L. Au. 2002. Source levels of clicks from free-ranging white-beaked dolphins (*Lagenorhynchus albirostris* Gray 1846) recorded in Icelandic waters. *J. Acoust. Soc. Am.* 111(2), February 2002.
- Ray, G. C., and W. A. Watkins. 1975. Social function of underwater sounds in the walrus *Odobenus rosmarus*. *Rapports et Proces-Verbaux des Reunions Conseil International pour l'Exploration de la Mer* 169:524-526.

- Read, A.J., and A.J. Westgate. 1997. Monitoring the movements of harbour porpoises (*Phocoena phocoena*) with satellite telemetry. *Mar Biol* 130: 315-322. In: Croll et al. (1999).
- Read, A.J., and D.E Gaskin. 1988. Incidental catch of harbour porpoises in Bay of Fundy groundfish gill nets. *J. Wildl. Manage* 52: 517-523. In; Croll et al. (1999).
- Reeves, R. R., B. S. Stewart, P. Clapham, and J. A. Powell. 2002. *Guide to Marine Mammals of the World*. New York, Alfred A. Knopf, Inc.
- Reeves, R. R., B. S. Stewart, and J. S. Leatherwood. 1992. *Seals and Sirenians*. San Francisco, Sierra Club Books.
- Reeves, R. R., and H. Whitehead. 1997. Status of the sperm whale, *Physeter macrocephalus*, in Canada. *Canadian Field-Naturalist* 111:293-307.
- Reeves, R.R. and S. Leatherwood. 1994. *Dolphins, porpoises, and whales: 1994-1998 action plan for the conservation of cetaceans*. IUCN. Gland, Switzerland.
- Reilly, S.B. and V.G. Thayer. 1990. Blue whale (*Balaenoptera musculus*) distribution in the eastern tropical Pacific. *Mar. Mamm. Sci.* 6:265-277.
- Reyes, J.C., K. Van Waerebeek, J.C. Cardenas and J.L. Yañez. 1995. *Mesoplodon bahamondi* sp.n. (Cetacea, Ziphiidae), a new living beaked whale from the Juan Fernandez Archipelago, Chile. *Boletin del Museo Nacional de Historia Natural, Chile* 45:31-44.
- Richardson, W. J., C. R. J. Green, C. I. Malme, and D. H. Thomson. 1995. *Marine Mammals and Noise*. San Diego, CA, Academic Press.
- Rice, D.W. 1977. Synopsis of biological data on the sei whale and Bryde's whale in the eastern North Pacific. *Rep. Int. Whal. Commn., Spec. Issue* 1:92-97.
- Rice, D.W. 1989. Sperm Whale -- *Physeter macrocephalus* Linnaeus, 1758, Pages 177-234 in S. H. Ridgway, and R. Harrison, eds. *Handbook of Marine Mammals: Volume 4: River Dolphins and the Larger Toothed Whales*. New York, Academic Press.
- Rice, D.W. and A. Wolman. 1971. Life history and ecology of the gray whale *Eschrichtius robustus*. *American Society of Mammalogists, Spec. Publ.* 3.
- Ridgway, S.H. 1966. Dall's porpoise, *Phocoenides dalli*, (True): observations in captivity and at sea. *Norsk Hvalfangst-Tidende* 55: 97-110. In: Croll et al. (1999).
- Ridgway, S.H. 1986. Diving by cetaceans. In: *Diving in animals and man*. A.O. Brubakk, J.W. Kanwisher and G. Sundness (eds.). The Royal Norwegian Society of Science and Letters, Trondheim, Norway, p.33-62.

- Ridgway, S.H., C.A. Bowers, D. Miller, M.L. Schultz, C.A. Jacobs, and C.A. Dooley. 1984. Diving and blood oxygen in the white whale. *Can. J. Zool.* 62:2349-2351.
- Ridgway, S. H., and D. A. Carder. 2001. Assessing hearing and sound production in cetaceans not available for behavioral audiograms: Experiences with sperm, pygmy sperm, and gray whales. *Aquatic Mammals* 27:267-276.
- Ridgway, S.H., D.A. Carder, T. Kamolnick, R.R. Smith, C.E. Schlundt, and W.E. Elsberry. 2001. Hearing and whistling in the deep sea: depth influences whistle spectra but does not attenuate hearing by white whales (*Delphinapterus leucas*) (Odontoceti, Cetacea). *The J. Exp. Biol.* 204: 3829-3841.
- Ridgway, S.H., E.G. Wever, J.G. McCormick, J. Palin, and J.H. Anderson. 1969. Hearing in the giant sea turtles. *JASA*, 59, Suppl. 1. S46.
- Ridgway, S. H., and G. Joyce. 1975. Studies on seal brain by radiotelemetry. *Rapports et Proces-Verbaux des Reunions Conseil International pour l'Exploration de la Mer* 169.
- Riedman, M. L. 1990, *The Pinnipeds: Seals, Sea Lions, and Walruses*. Berkley, CA, University of California Press.
- Ritter, F. 2002. Behavioural observations of rough-toothed dolphins (*Steno bredanensis*) off La Gomera, Canary Islands (1995-2000), with special reference to their interactions with humans. *Aquatic Mammals* 28:46-59.
- Rivers, J.A. 1997. Blue whale, *Balaenoptera musculus*, vocalizations from the waters off central California. *Mar. Mamm. Sci.* 13:186-195.
- Rogers, T. L. 1999. Acoustic Observations of Arnoux's Beaked Whale (*Berardius arnuxii*) off Kemp Land, Antarctica. *Marine Mammal Science* 15:192-198.
- Rohr, J.J., F.E. Fish, and J.W. Gilpatrick. 2002. Maximum swim speeds of captive and free-ranging delphinids: Critical analysis of extraordinary performance. *Mar. Mam. Sci.* 18:1-19.
- Ross, G.J.B. and S. Leatherwood. 1994. Pygmy killer whale *Feresa attenuata* (Gray, 1874). In: Ridgway, S.H. and R. Harrison (eds.). *Handbook of marine mammals Vol. 5: the first book of dolphins*. Academic Press, London, UK.
- Ross, G.J.B., P.B. Best, and B.G. Donnelly. 1975. New records of the pygmy right whale (*Caperea marginata*) from South Africa, with comments on distribution, migration, appearance and behavior. *J. Fish. Res. Bd. Can.* 32:1005-1017.
- Rudolph, P. and C. Smeenk. 2002. Indo-West Pacific marine mammals. Pages 617-625 in W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. *Encyclopedia of Marine Mammals*. San Diego, Academic Press.

- Rugh, D.J., K.E.W. Shelden, B.A. Mahoney. 1998. Summer distribution of beluga whales in Cook Inlet, Alaska. Abstracts of the World Marine Mammals Science Conference, porpoise Monaco.
- Salvi, R. J.D. Henderson, R.P. Hamernik, and V. Colletti (eds). 1986. Basic and applied aspects of noise-induced hearing loss. Plenum Press, NY.
- Samuel, Y., S.J. Morreale, C.W. Clark, C.H. Greene, M.E. Richmond. 2005. Underwater, low-frequency noise in a coastal sea turtle habitat. *J. Acoust. Soc. Am.* 117 (3): 1465-1472.
- Santoro, A.K., K.L. Marten, and T.W. Cranford. 1989. Pygmy sperm whale sounds (*Kogia breviceps*). Abstracts of the 8th biennial conference on the biology of marine mammals, Pacific Grove, USA, December 1989.
- Sauerland, M. and G. Dehnhardt. 1998. Underwater audiogram of a tucuxi (*Sotalia fluviatilis guianensis*). *JASA* 84:2273-2275.
- Saunders, Stephen, Commodore, RN. 2003. Jane's Fighting Ships 2003-2004. Jane's Information Group Inc., Surrey, UK.
- Saunders, J. C., Cohen, Y. E., and Szymko, Y. M. 1991. "The structural and functional consequences of acoustic injury in the cochlea and peripheral auditory system: A five year update." *J. Acoust. Soc. Am.* 90, 147-155.
- Sayigh, L.S. 2002. Signature whistles. Pages 1081-1083 in W. F. Perrin, B. Wursig, and J. G. M. Thewissen, eds. *Encyclopedia of Marine Mammals*. San Diego
- Schaeff, C.M., S.D. Kraus, M.W. Brown, J.S. Perkins, R. Payne, and B.N. White. 1997. Comparison of genetic variability of north and south Atlantic right whales (*Eubalaena*) using DNA fingerprinting. *Can. J. Zool/Rev. Can. Zool.* 75(7): 1073-1080.
- Scheer, M., B. Hofmann, and P.I. Behr. 1998. Discrete pod-specific call repertoires among short-finned pilot whales (*Globicephala macrorhynchus*) off the SW coast of Tenerife, Canary Islands. Abstracts of the World Marine Mammal Science Conference, Monaco, January 1998.
- Schellart, N.A.M., and A.N. Popper. 1992. Functional aspects of the evolution of the auditory system of actinopterygian fish. In: Webster, D.B., R.R. Fay, and A.N. Popper (eds.). *Comparative evolutionary biology of hearing*.
- Scherr, Michael R., 2003. "World Submarine Inventory by Geographic Area—12/12/2003 Update." Unpublished. Naval Surface Warfare Center, Indian Head, MD.

- Schevill, W.E. 1964. Underwater sounds of cetaceans. In: Marine bio-acoustics. Edited by W.N. Tavolga, Pergamon Press, Oxford, p.-307-366.
- Schevill, W.E. and B. Lawrence. 1949. Underwater listening to the white (*Delphinapterus leucas*). Science 109(2824):143-144.
- Schevill, W.E. and W.A. Watkins. 1966. Sound structure and directionality in *Orcinus* (killer whale). Zoologica 51:71-76.
- Schilling, M.R., I. Seipt, M.T. Weinrich, A.E. Kuhlbery, and P.J. Clapham. 1992. Behavior of individually-identified sei whales *Balaenoptera borealis* during an episodic influx into the southern Gulf of Maine in 1986. U.S. NMFS Fish Bull 90:749-755.
- Scholik, A. R., and Yan, H. Y. 2001. "Effects of underwater noise on auditory sensitivity of a cyprinid fish." Hear. Res. 152, 17-24.
- Scholik, A. R., and Yan, H. Y. 2002. "The effects of noise on the auditory sensitivity of the bluegill sunfish, *Lepomis macrochirus*." Comp. Biochem. Physiol. A 133, 43-52.
- Schultz, K.W., D.H. Cato, P.J. Corkeron, and M.M. Bryden. 1995. Low frequency narrow-band sounds produced by bottlenose dolphins. Mar. Mamm. Sci. 11:503-509.
- Schusterman, R.J. 1967. Perception and determinants of underwater vocalization in the California sea lion. In: Les Systemes Sonars Amimaux, Biologie et Bionique, R.G. Busnel (Ed), Laboratoire de Physiologie Acoustique, Jouy-en-Josas, France.
- Schusterman, R.J. 1978. Vocal communication in pinnipeds. pp. 247-308 in Behavior of Captive Wild Animals. ed H. Markowitz and V.J. Stevens. Nelson-Hall, Chicago.
- Scott, M. D., A. A. Hohn, A. J. Westgate, J. R. Nicolas, B. R. Whitaker, and W. B. Campbell. 2001. A Note on the Release and Tracking of a Rehabilitated Pygmy Sperm Whale. Journal of Cetacean Research and Management 3:87-94.
- Scott, M.D. and S.J. Chivers. 1990. Distribution and herd structure of bottlenose dolphins in the eastern tropical Pacific Ocean. In: Handbook of marine mammals Volume 6: the second book of dolphins and the porpoises, S.H. Ridgway and R. Harrison (eds.), Academic Press, London.
- Scott, M.D., S.J. Chivers, R.J. Olson, and R.J. Lindsay. 1993. Radio tracking of spotted dolphin associated with tuna in the eastern tropical Pacific. Abstracts of the 10th biennial conference on the biology of marine mammals, Galveston, TX, November 1993.
- Sears, R. 2002. Blue Whale, Pages 112-116 in W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego, Academic Press.

- Sekiguchi, K., M.A. Meyer, P.B. Best, R. Davis, and J.H.M. David. 1998. Satellite-monitored movements and diving patterns of Heaviside's dolphin (*Cephalorhynchus heavisidii*) off St. Helena Bay, South Africa. Abstracts of the World Marine Mammal Science Conference, Monaco, January 1998.
- Sekiguchi, K., N. Klages, K. Findlay, and P.B. Best. 1993. Feeding habits and possible movements of southern bottlenose whales (*Hyperoodon planifrons*). Proceedings of the National Institute of Polar Research, Symposium of Polar Biology 6:84-97
- Sergeant, D.E. 1962. The biology of the pilot or pothead whale *Globicephala melaena* (Traill) in Newfoundland waters. Bulletin of the Fisheries Research Board of Canada 132:1-84.
- Sergeant, D.E., K. Ronald, J. Boulva, and F. Berles. 1978. The recent status of *Monachus monachus*, the Mediterranean monk seal. Biological Conservation 14: 259-287.
- Sergeant, D.W. and Brodie, P.F. 1969. Body size in white whales (*Delphinapterus leucas*). J. Fish. Res. Bd. Can. Vol. 26:2561-2580
- Shane, S. H. 1995. Behavior patterns of pilot whales and Risso's dolphins off Santa Catalina Island, California. Aquatic Mammals, 21: 195-197.
- Sharpe, F.A. and L.M. Dill. 1997. The behavior of Pacific herring schools in response to artificial humpback whale bubbles. Can. J. Zool. 75:725-730.
- Sho-Chi, Y., K. Zbinden, C. Kraus, M. Gih, and G. Pilleri. 1982. Characteristics and directional properties of the sonar signals emitted by the captive Commerson's dolphin, *Cephalorhynchus commersonii* (Gray, 1864). Invest Cetacea 13:177-203.
- Sigurjonsson, J. 1995. On the life history and autecology of North Atlantic rorquals In: Blix, A.S., L. Walloe, and O. Ultang (eds.). Developments in marine biology, 4. Whales, seals, fish, and man. International Symposium on the Biology of Marine Mammals in the Northeast Atlantic, Tromso, Norway.
- Simmonds, J.C. 1997. The big book of adventure travel, 3rd edition.
- Simmonds, M.P. and J.D. Hutchinson (eds.). 1996. The conservation of whales and dolphins. John Wiley & Sons, Chichester, England.
- Sjare, B.L. and T.G. Smith. 1986. The vocal repertoire of white whales summering in Cunningham Inlet, Northwest Territories. Can. J. Zool. 64(2):407-415.
- Slooten, E. and S.M. Dawson. 1994. Hector's dolphin *Cephalorhynchus hectori* (van Beneden, 1881) In: Ridgway, S.H. and R. Harrison (eds.). Handbook of marine mammals Vol. 5: the first book of dolphins. Academic Press, London, UK.

- Slotte, A., Kansen, K., Dalen, J., and Ona, E. 2004. "Acoustic mapping of pelagic fish distribution and abundance in relation to a seismic shooting area off the Norwegian west coast." *Fish. Res.* 67, 143-150.
- Smith, M. E., Kane, A. S., and Popper, A. N. 2004a. "Noise-induced stress response and hearing loss in goldfish (*Carassius auratus*)." *J. Exp. Biol.* 207, 427-435.
- Smith, M.E., Kane, A.S., and Popper, A.N. 2004b. "Acoustical stress and hearing sensitivity in fishes: Does the linear threshold shift hypothesis hold water?" *J. Exp. Biol.* 207, 3591-3602.
- Smith, T.D., J. Allen, P.J. Clapham, P.S. Hammond, S. Katona, F. Larsen, J. Lien, D. Mattila, P.J. Palsbóll, J. Sigurjónsson, P.T. Stevick and N. Øien. 1999. An ocean-basin-wide mark-recapture study of the North Atlantic humpback whale (*Megaptera novaeangliane*) *Mar. Mam. Sci.* 15(1):1-32.
- Smithsonian Institution. 2000. Historical mass mortalities of ziphids. Marine Mammal Program, National Museum of Natural History, Smithsonian Institution. 21 April 2000.
- Sonalysts, Inc. 1995. Testing responses of fishes to acoustic signals at the Redondo Marine Laboratory. Report prepared by Southern California Edison Co.
- Sorokin, M.A., S.V. Donskoi, and A.N. Lebedva. 1988. Sound reception in *Clupeidae*. *Biology Morya* 2:24-40.
- Soria, M., Bahri, T., and Gerlotto, F. 2003. Effect of external factors (environment and survey vessel) on fish school characteristics observed by echosounder and multibeam sonar in the Mediterranean Sea. *Aquatic Living Resources* 16: 145-157).
- Southall, B. L. 2005. Final Report of the National Oceanic and Atmospheric Administration (NOAA) International Symposium: Shipping Noise and Marine Mammals: A Forum for Science, Management, and Technology, 18-19 May 2004. Released 27 April 2005.
- Southall, B.L. 2000. Masking in three pinnipeds: Underwater, low-frequency critical ratios. *J. Acoust. Soc. Am.* 108(3): 1322-1326.
- Southall, B.L. 2003. Auditory masking in three pinnipeds: Aerial critical ratios and direct critical bandwidth measurements. *J. Acoust. Soc. Am.* 114(3): 1660-1666.
- Southall, B.L., R.J. Schusterman, D. Kastak, and C.R. Kastak. 2005. Reliability of underwater hearing thresholds in pinnipeds. *ARLO*: 6(4). 14 July 2005.
- Spalding, M. 1998. Workshop on legal aspects of whale watching, Punta Arenas, Chile. *Journal of Environment and Development*, Vol. 7.

- Spotila, J.R., M.P. O'Connor, and F.V. Paladino. 1997. In: Lutz, P., and J. Musick (eds.). The biology of sea turtles. CRC Press, Inc., Boca Raton, FL.
- Stacey, P.J., S. Leatherwood, and R.W. Baird. 1994. *Pseudorca crassidens*. Mammal Spec. 456:1-6.
- Stafford, K.M., C.G. Fox and D.S. Clark. 1998. Long-range acoustic detection and localization of blue whale calls in the northeast Pacific ocean. JASA 104(6):3616-3625.
- Stafford, K.M., S.L. Niekirk. 1999a. An acoustic link between blue whales in the eastern tropical Pacific and the northeast Pacific. Mar. Mamm. Sci. 15(4):1258-1268
- Stafford, K.M., S.L. Niekirk and C.G. Fox. 1999b. Low-frequency whale sounds recorded on hydrophones moored in the eastern tropical Pacific. JASA 106(6):3687-3698.
- Stafford, K. M., S. L. Niekirk, and C. G. Fox. 2001. Geographic variation in blue whale calls in the North Pacific. Journal of Cetacean Research and Management 3:65-76.
- Steiner, W.W. 1981. Species-specific differences in pure tonal whistle vocalizations of five western North Atlantic dolphin species. Behav. Ecol. Sociobiol. 9(4):241-246.
- Steiner, W.W., J.H. Hain, H.E. Winn, and P.J. Perkins. 1979. Vocalizations and feeding behavior of the killer whale (*Orcinus orca*). J. Mammal. 60(4):823-827.
- Stewart, B. S. 2002. Diving Behavior. Pages 333-339 in W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego.
- Stewart, B. S., and R. L. DeLong. 1994. Postbreeding Foraging Migrations of Northern Elephant Seals, Pages p. 290-309 in B. J. LeBoeuf, and R. M. Laws, eds. Elephant Seals: Population Ecology, Behavior, and Physiology. Berkeley, CA, University of California Press.
- Stewart, B. S., and S. Leatherwood. 1985. Minke Whale -- *Balaenoptera acutorostrata*, Pages 91-136 in S. H. Ridgway, and R. Harrison, eds. The Sirenians and Baleen Whales. Handbook of Marine Mammals. New York, Academic Press.
- Stirling, I. 1971. Studies on the behavior of the South Australian fur seal, *Arctocephalus forsteri* (Lesson), part 1: Annual cycles, postures, and call of adult males during the breeding season. Australian Journal of Zoology 19:243-266.
- Strong, C.S. 1990. Ventilation patterns and behavior of balaenopterid whales in the Gulf of California, Mexico. MS thesis, San Francisco State University, CA.

- Sudara, S. and S. Mahakunlayanakul. 1998. Distribution and river intrusion of dolphins in the inner Gulf of Thailand. Abstracts of the World Marine Mammal Science Conference, Monaco, January 1998.
- Sullivan, R. M., and W. J. Houck. 1979. Sightings and Strandings of Cetaceans from Northern California. *Journal of Mammalogy* 60:828-833.
- Suzuki, H., E. Hamada, K. Saito, Y. Maniwa and Y. Shirai. 1979. Underwater sound produced by ships to influence marine organisms. In: *Man & navigation: an international congress*. The International Assoc. of Institutes of Navigation. ed. Royal Institute of Navigation, London.
- Szymanski, M.D., D.E. Bain, K. Kiehl, S. Pennington, S. Wong, and K.R. Henry. 1999. Killer whale (*Orcinus orca*) hearing: Auditory brainstem response and behavioral audiograms. *J. Acoust. Soc. Am.* 106(2): 1134-1141.
- Taruski, A.G. 1979. The whistle repertoire of the North Atlantic pilot whale (*Globicephala melaena*) and its relationship to behavior and environment. In: Winn, H.E. and B.L. Olla (eds.). *Behavior of marine animals. Vol. 3: cetaceans*. Plenum, NY 438 p.
- Tavolga, W.N. 1967. Masked auditory thresholds in teleost fishes. In: Tavolga, W.N. (ed.). *Marine bio-acoustics. Vol. 2*. Pergamon, Oxford, Eng.
- Tavolga, W.N. 1974. Signal/noise ratio and the critical band in fishes. *J. Acoust. Soc. Amer.* 55:1323-1333.
- Tavolga, W.N. and J. Wodinsky. 1963. Auditory capacities in fishes. Pure tone thresholds in nine species of marine teleosts. *Bull. Amer. Mus. Nat. Hist.* 126:177-240.
- Tavolga, W.N. and J. Wodinsky. 1965. Auditory capacities in fishes: Threshold variability in the blue-striped grunt, *Haemulon sciurus*. *Anim. Behav.* 8:301-311.
- Terhune, J.M., and K. Ronald. 1972. The harp seal, *Pagophilus groenlandicus*. Part 3: the underwater ethogram. *Canadian Journal of Zoology* 49:385-390.
- . 1973. Some hooded seal (*Cystophora cristata*) sounds in March. *Canadian Journal of Zoology* 51.
- . 1975a. Masked Hearing Thresholds of Ringed Seals. *Journal of the Acoustical Society of America* 58:515-516.
- . 1975b. Underwater hearing sensitivity of two ringed seals (*Pusa hispida*). *Can. J. Zool.* 53(3):227-231.

- Terhune, J.M. 1989. Underwater click hearing thresholds of a harbour seal, *Phoca vitulina*. *Aquat. Mamm.* 15(1):22-26.
- Terhune, J.M. 1991. Masked and unmasked pure tone detection thresholds of a harbour seal listening in air. *Canadian Journal of Zoology* 69:2059-2066.
- Terhune, J.M. and S. Turnbull. 1995. Variation in the psychometric functions and hearing thresholds of a harbour seal. In: Kaselein, R.A., J.A. Thomas, and P.E. Nachtigall (eds.). *Sensory systems of aquatic mammals*. De Spil Publ., Woerden, Netherlands (in press).
- Tershy, B.R. 1992. Body size, diet, habitat use and social behavior in *Balaenoptera* whales. *J. Mammal* 73:477-486.
- Tershy, B.R., G.A. Acevedo, D. Breese, and C.S. Strong. 1993. Diet and feeding behavior of fin and Bryde's whales in the central Gulf of California, Mexico. *Rev. Inv. Cient.* 1 (No Esp SOMEMMA 1):31-38.
- Thewissen, H. G. M. 2002. Hearing, Pages 570-574 in W. F. Perrin, B. Wursig, and J. G. M. Thewissen., eds. *Encyclopedia of Marine Mammals*. San Diego, Academic Press.
- Thode, A., D. K. Mellinger, S. Stienessen, A. Martinez, and K. Mullin. 2002. Depth-dependent acoustic features of diving sperm whales (*Physeter macrocephalus*) in the Gulf of Mexico. *Journal of the Acoustical Society of America* 112:308-321.
- Thomas, J.A. and C.W. Turl. 1990. Echolocation characteristics and range detection threshold of a false killer whale (*Pseudorca crassidens*) In: Thomas, J.A. and R.A. Kastelein (eds.). *sensory abilities of cetaceans: Laboratory and field evidence*. Plenum, NY 710 p.
- Thomas, J.A., P.W.B. Moore, P.E. Nachtigall, and W.G. Gilmartin. 1990. A new sound from a stranded pygmy sperm whale. *Aquat. Mamm.* 16:28-30
- Thomas, J., P. Moore, R. Withrow, and M. Stoermer. 1990. Underwater audiogram of a Hawaiian monk seal (*Monachus schauinslandi*). *Journal of the Acoustical Society of America* 87:417-420.
- Thompson, P.O., L.T. Findley, and O. Vidal. 1992. 20-Hz pulses and other vocalizations of fin whales, *Balaenoptera physalus*, in the Gulf of California, Mexico. *JASA* 92:3051-3057.
- Thompson, P.O. and W.A. Friedl. 1982. A long term study of low frequency sounds from several species of whales off Oahu, Hawaii. *Cetology* 45:1-19.
- Thompson, P.O., W.C. Cummings, and S.J. Ha. 1986. Sounds, source levels, and associated behavior of humpback whales, southeast Alaska. *JASA* 80(3):735-740.

- Thompson T.J., H.E. Winn, and P.J. Perkins. 1979. Mysticete sounds In: Winn, H.E. and B.L. Olla (eds.). Behavior of marine animals. Vol. 3. Cetaceans. Plenum, NY. 438 p.
- Tremel, D.P., J.A. Thomas, and K.T. Ramírez. 1998. Underwater hearing sensitivity of a Pacific white-sided dolphin, *Lagenorhynchus obliquidens*. Aquat. Mamm. 24:63-69.
- Tyack, P.L. 1981. Interactions between singing Hawaiian humpback whales and conspecifics nearby. Behav. Ecol. Socbiol: 8:105-116.
- Turnpenny. A.W.H., K.P. Thatcher, and J.R. Nedwell. 1994. The effects on fish and other marine animals of high-level underwater sound. Fawley Aquatic Research Laboratories, Ltd. Southampton SO45 ITW. Hampshire, UK.
- Tyack, P. L. 2000. Functional Aspects of Cetacean Communication, Pages 270-307 in J. Mann, R. C. Conner, P. Tyack, and H. Whitehead, eds. Cetacean Societies: Field Studies of Dolphins and Whales. Chicago. Chicago, The University of Chicago Press.
- Tyack, P.L. and C. W. Clark. 1997. Long range acoustic propagation of whale vocalizations In: Taborsky, M., and B. Taborsky (eds.). Advances in ethology, 32. Contributions to the XXV International Ethological Conference, Vienna.
- Tyack, P.L. and C.W. Clark. 2000. Communication and Acoustic Behavior of Dolphins and Whales, Pages 156-224 in W. Au, A. N. Popper, and R. R. Fay, eds. Hearing in Whales and Dolphins. New York, Springer-Verlag.
- Tyack, P.L. and H. Whitehead. 1983. Male competition in large groups of wintering humpback whales. Behavior 83:132-154.
- Urick, R.J. 1983. Principles of Underwater Sound, 3rd Edition. McGraw-Hill, Inc. Los Altos, CA.
- U.S. Department of Commerce, National Oceanographic and Atmospheric Administration, National Marine Fisheries Service. 1983. Marine Mammal Protection Act of 1972. Annual Report 1982-1983. Washington, DC.
- U.S. Department of Interior. 1997. Final Environmental Impact Statement: Gulf of Mexico OCS oil and gas lease sales 169, 172, 175, 178, and 182. Minerals Management Service, Gulf of Mexico, OCS Region.
- Vanderlaan, A. S., A. E. Hay, and C. T. Taggart. 2003. Characterization of North Atlantic Right-Whale (*Eubalaena glacialis*) Sounds in the Bay of Fundy. IEEE Journal of Oceanic Engineering 28:164-173.
- Van Helden, A.L., A.N. Baker, M.L. Dalebout, J.C. Reyes, K.V. Waerebeek, and C.S. Baker. 2002. Resurrection of *Mesoplodon traversii* (Gray, 1874), Senior Synonym of *M.*

- bahamondi* Reyes, Van Waerebeek, Cardenas and Yañez, 1995 (Cetecea: Ziphiidae). Mar. Mamm. Sci., 18(3):609-621.
- Van Parijs, S.M., G.D. Hastie, and P.M. Thompson. 1999. Geographical variation in temporal and spatial vocalization patterns of male harbour seals in the mating season. Animal Behaviour. 58:1231-1239.
- Van Parijs, S. M., and K. M. Kovacs. 2002. In-air and underwater vocalizations of the eastern Canadian harbour seals, *Phoca vitulina*. Canadian Journal of Zoology 80: 1173-1179.
- Van Parijs, S.M. V.M. Janik, and P.M. Thompson. 2000. Display-area size, tenure length, and site fidelity in the aquatically mating male harbour seal, *Phoca vitulina*. Canadian Journal of Zoology. 78: 2209-2217.
- Van Waerebeek, K.V. and B. Würsig. 2002. Pacific white-sided dolphin and dusky dolphin (*Lagenorhynchus obliquidens* and *L. obscurus*), Pages 859-861. In: W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. Encyclopedia of Marine Mammals. San Diego, CA, Academic Press.
- Wade, P. R., and T. Gerrodette. 1993. Estimates of cetacean abundance and distribution in the eastern tropical Pacific. Report of the International Whaling Commission 43:477-493.
- Wahlberg, M. 2002. The acoustic behaviour of diving sperm whales observed with a hydrophone array. Journal of Experimental Marine Biology and Ecology 281:53-62.
- Walker, R. J., E.O. Keith, A.E. Yankovsky, and D.K. Odell. 2005. Environmental correlates of cetacean mass stranding in sites in Florida. Marine Mammal Science 21(2), 327-335.
- Walker, W.A. 1996. Summer feeding habits of Dall's porpoise, *Phocoenoides dalli*, in the southern Sea of Okhotsk. Mar. Mamm. Sci. 12: 167-181.
- Wardle, C. S., Carter, T. J., Urquhart, G. G., Johnstone, A. D. F., Ziolkowski, A. M., Hampson, G., and Mackie, D. 2001. "Effects of seismic air guns on marine fish." Continental Shelf Res. 21, 1005-1027.
- Waring, G.T, J.M. Quintal, and C.P. Fairfield. 2002. U.S. Atlantic and Gulf of Mexico 2002 Marine Mammal Stock Assessments. Stock Assessment Report. National Marine Fisheries Service, Woods Hole, MA.
- Waring, G.T., T. Hamazaki, D. Sheehan, G. Woods, and S. Baker. 2001. Characterization of beaked whale (Ziphiidae) and sperm whale (*Physeter macrocephalus*) summer habitat in shelf-edge and deeper waters off northeast U.S. Marine Mammal Science 17: 703-717.

- Waring, G.T., R.M. Pace, J.M. Quintal, C.P. Fairfield, and K. Maze-Foley. 2004. U.S. Atlantic and Gulf of Mexico 2003 Marine Mammal Stock Assessments. Stock Assessment Report. Woods Hole, MA.
- Watkins, W.A. 1967. The harmonic interval: fact or artifact in spectral analysis of pulse trains In: Tavorla, W.N. (ed.). Marine bio-acoustics. Vol. 2. (W.N. Tavorla, ed.) Pergamon Press, Oxford.
- Watkins, W.A. 1981. Activities and underwater sounds of fin whales. Sci. Rep. Whales Res. Inst. 33:83-117.
- Watkins, W.A. and D. Wartzok. 1985. Sensory biophysics of marine mammals. Mar. Mamm. Sci. 1:219-260.
- Watkins, W. A., and G. C. Ray. 1977. Underwater sounds from ribbon seal, *Phoca fasciata*. Fisheries Bulletin 75:450-453.
- Watkins, W. A., K. E. Moore, and P. Tyack. 1985. Sperm Whale Acoustic Behaviors in the Southeast Caribbean. Cetology 49:1-15.
- Watkins, W. A., M. A. Daher, N. DiMarzio, A. Samuels, D. Wartzok, K. M. Fristrup, P. W. Howey et al. 2002. Sperm Whales Dives Tracked by Radio Tag Telemetry. Marine Mammal Science 18:55-68.
- Watkins, W.A., M.A. Daher, K. Fristrup, and G. Notarbartolo di Sciara. 1994. Fishing and acoustic behavior of Fraser's dolphin (*Lagenodelphis hosei*) near Dominica, Southeast Caribbean. Car. J. Sci. 30:76-82.
- Watkins, W.A., M.A. Daher, A. Samuels, and D.P. Gannon. 1997. Observations of *Peponocephala electra*, the melon-headed whale, in the southeastern Caribbean. Carib. J. Sci. 33:34-40.
- Watkins, W.A., P. Tyack, K.E. Moore, and J.E. Bird. 1987. The 20-Hz signals of finback whales (*Balaenoptera physalus*). JASA 82(6):1901-1912.
- Watkins, W. A., and W. E. Schevill. 1977. Sperm Whale Codas. Journal of the Acoustical Society of America 62:1485-1490.
- Watkins, W.A. and W.E. Schevill. 1980. Characteristic features of the underwater sounds of *Cephalorhynchus commersonii*. J. Mammal 58:316-320.
- Watkins, W.A., W.E. Schevill, and P.B. Best. 1977. Underwater sounds of *Cephalorhynchus heavisidii* (Mammalia: Cetacea). J. Mammal 58:316-320.
- Watson, P., and D. Pauly. 2001. Systematic distortions in world fisheries catch trends. Letters to nature. Nature 414: 534-536.

- Webster, WM. David, and Kelly A. Cook. 2001. Intraseasonal nesting activity of loggerhead sea turtles (*Caretta caretta*) in Southeastern North Carolina. *Am. Midl. Nat.* 145: 66-73.
- Weilgart, L.S. and H. Whitehead. 1990. Vocalization of the North Atlantic pilot whale (*Globicephala melaena*) as related to behavioral contexts. *Behavioral Ecology and Sociobiology* 26(6):399-402.
- Weilgart, L., and H. Whitehead. 1993. Coda communications by sperm whales (*Physeter macrocephalus*) off the Galapagos Islands. *Can. J. Zool.* 71:744-752.
- Weilgart, L., and H. Whitehead. 1997. Group-Specific Dialects and Geographical Variation in Coda Repertoire in South Pacific Sperm Whales. *Behavioral Ecology and Sociobiology* 40:277-285.
- Wells, R.S. and M.D. Scott. 2002. Bottlenose dolphins (*Tursiops truncatus* and *T. aduncus*). Pages 122-128 in W. F. Perrin, B. Würsig, and J. G. M. Thewissen, eds. *Encyclopedia of Marine Mammals*. San Diego
- Westgate, A.J., A.J. Read, P. Berggren, H.N. Koopman, and D.E. Gaskin. 1995. Diving behaviour of harbour porpoises, *Phocoena phocoena*. *Can. J. Fish. Aquat. Sci.* 52: 1064-1073. In: Croll et al. (1999).
- Whale and Dolphin Conservation Society. September 1, 1997. "Some fear that fleets of watchers may harm mammals." [The New York Times](#).
- Whale and Dolphin Conservation Society (WDCS). 2004a. Mass strandings in Australia and New Zealand. WDCS Publishing System, November 30, 2004. <http://www.wdcs.org>.
- Whale and Dolphin Conservation Society (WDCS). 2004b. Research sheds light on the mystery of whale strandings. WDCS Australasia, December 7, 2004. <http://www.wdcs.or.au>.
- Whitehead, H. 2002. Sperm Whale, Pages 1165-1172 in W. F. Perrin, B. Würsig, and J. G. M. Thewissen, eds. *Encyclopedia of Marine Mammals*. San Diego, Academic Press.
- Whitehead, H., A. Faucher, S. Gowans, and S. McCarrey. 1997. Status of the Northern Bottlenose Whale, *Hyperoodon ampullatus*, in the Gully, Nova Scotia. *Canadian Field-Naturalist* 111:287-292.
- Whitehead, H., and L. Weilgart. 1991. Patterns of Visually Observable Behaviour and Vocalizations in Groups of Female Sperm Whales. *Behaviour*:275-296.
- Williams, T.M. 2002. Swimming. Pages 1213-1222 in W. F. Perrin, B. Würsig, and H. G. M. Thewissen, eds. *Encyclopedia of Marine Mammals*. San Diego.

- Willis, P.M. and R.W. Baird. 1998. Status of the dwarf sperm whale, *Kogia simus*, with special reference to Canada. *Can. Field-Nat.* 112:114-125.
- Winn, H.E., J.D. Goodyear, R.D. Kenney, and R.O. Petricig. 1994. Dive patterns of tagged right whales in the Great South Channel. *Cont. Shelf Res.* 15:593-611.
- Winn, H.E. and P.J. Perkins. 1976. Distribution and sounds of the minke whale, with a review of mysticete sounds. *Cetology* 19:1-12.
- Winn, H. E., P. J. Perkins, and L. Winn. 1970. Sounds and Behavior of the Northern Bottlenosed Whale Proceeding of the 7th Annual Conference on Biological Sonar and Diving Mammals: 53-59
- Witzell, W.N. 1983. Synopsis of biological data on the hawksbill turtle. *FAO Fish. Synop.* 137:78.
- Wodinsky, J. and W.N. Tavolga. 1964. Sound detection in teleost fishes. In *Marine Bioacoustics*, W.N. Tavolga (ed), Pergamon Press: Oxford, pp. 269-280.
- Wolfson, F.H. 1977. Gray whale behavior. *Science.* 185(4278): 534-535
- Würsig, B. 1982. Radio tracking porpoises in the South Atlantic. *Mammals in the Seas. Volume 4. Food and Agricultural Organization Fisheries Series* 5:145-160.
- Wursig, B., and W.J. Richardson. 2002. Effects of Noise, Pages 794-802 in W. F. Perrin, B. Wursig, and J. G. M. Thewissen, eds. *Encyclopedia of Marine Mammals*. San Diego.
- Wyneken, J. 1997. Sea turtle locomotion: Mechanisms, behavior, and energetics In: Lutz, P. and J. Musick (eds.). *The biology of sea turtles.* pp. 165-198. CRC Press, Inc., Boca Raton, FL.
- Wynne, K. and M. Schwartz. 1999. *Guide to Marine Mammals and Turtles of the U.S. Atlantic and Gulf of Mexico*. Rhode Island Sea Grant, Narragansett, RI.
- Wysocki, L. E. and Ladich, F. 2005. Effects of noise exposure on click detection and the temporal resolution ability of the goldfish auditory system. *Hear. Res.* 201:27-36.
- Yan, H.Y. and A.N. Popper. 1992. Audio sensitivity of the cichlid fish (*Astronotus ocellatus*) (Cuvier). *Journal of Comparative Physiology.* 171A: 105-109.
- Yang, Z., Wang, Z., Tang, C., and Ying, Y. 1996. "Biological effects of weak blast waves and safety limits for internal organ injury in the human body." *J. Trauma* 40, S81-S84.

- Yano, K. and M.E. Dahlheim. 1995a. Behavior of killer whales *Orcinus orca* during longline fishery interactions in the southeastern Bering Sea and adjacent waters. Fisheries Science (Tokyo) 61:584-589.
- Yano, K. and M.E. Dahlheim. 1995b. Killer whale, *Orcinus orca*, depredation on longline catches of bottomfish in the southeastern Bering Sea and adjacent waters. Fish. Bull. 93:355-372.
- Yelverton, J. T., Richmond, D. R., Hicks, W., Saunders, K., and Fletcher, E. R. 1975. The Relationship Between Fish Size and Their Response to Underwater Blast. Report DNA 3677T, Director, Defense Nuclear Agency, Washington, DC.
- Yochem, P.K. and S. Leatherwood. 1985. Blue whale *Balaenoptera musculus* (Linnaeus, 1758) In: Ridgway, S.H. and R. Harrison (eds.). Handbook of marine mammals Vol. 3: the sirenians and baleen whales. Academic Press. London, UK.
- Yurick, D.R., and D.E. Gaskin. 1987. Morphometric and meristic comparisons of skulls of the harbour porpoise *Phocoena phocoena* (L.) from the North Atlantic and North Pacific. *Ophelia* 27: 53-75. In: Croll et al. (1999).
- Zelick, R., D. Mann, and A.N. Popper. 1999. Acoustic communication in fishes and frogs. In: Fay, R. R. and A.N. Popper (eds.). Comparative hearing: fish and amphibians. Springer-Verlag, NY. pp. 363-411.
- Zhang, G.S., T. Hiraishi, K. Motomatsu, K. Yamamoto and K. Nashimoto. 1998. Auditory threshold of marbled sole *Pleuronectes yokohamae*. *Nippon Suisan Gakkaishi* 64:211-215.
- Zimmer, W.M.X., M.P Johnson, P.T Madsen, and P.L. Tyack. 2005. Echolocation clicks of free-ranging Cuvier's beaked whales (*Ziphius cavirostris*). *J. Acoust. Soc. Am.* 117 (6): 3919-3927.
- Zimmer, W.M.X., P.L. Tyack, M.P. Johnson, and P.T. Madsen. 2005. Three-dimensional beam pattern of regular sperm whale clicks confirms bent-horn hypothesis. *J. Acoust. Soc. Am.* 117 (3): 1473-1485.