

**EDWARD F. MELVIN**

Marine Fisheries Senior Scientist, Washington Sea Grant  
Affiliate Associate Professor, School of Aquatic and Fishery Sciences  
University of Washington  
Phone: (206) 543-9968 Fax: (206) 221-6937  
e-mail: edmelvin@uw.edu

**Education**

M.S. Humboldt State University, 1980  
B.A. University of Pennsylvania, 1974

**Positions Held**

Marine Fisheries Senior Scientist, Washington Sea Grant, University of Washington, 2005 to present  
Affiliate Associate Professor, School of Aquatic and Fishery Sciences, University of Washington, 2007 to present  
Marine Fisheries Specialist. Washington Sea Grant, University of Washington, 1993-2005  
Marine Field Agent. Washington Sea Grant, University of Washington, 1990-1993  
Area Marine Advisor. Sea Grant Extension Program, Cooperative Extension, Monterey & Santa Cruz Counties, University of California, 1980-1990

**Awards**

Pacific Seabird Group Special Achievement Award, 2007  
NOAA Sustainable Fisheries Leadership Award for Science, Research and Technology Award, 2006  
University of Washington, College of Ocean and Fishery Sciences Distinguished Research Award 2005  
University of California Cooperative Extension Outstanding Research Award, 1989

**Professional Activities/Committee Service**

KOBE III Bycatch Working Group (2011)  
World Wildlife Fund Smart Gear Competition Judge (2009 to present)  
Food and Agriculture Organization Expert Consultation on IPOA/NPOA Seabirds (2008)  
Agreement for the Conservation of Albatrosses and Petrels (ACAP) Seabird Bycatch Working Group (2007 to present)  
CCAMLR Incidental Mortality Associated with Fishing ad hoc Working Group (2003 to present)  
International Association of Antarctic Tour Operators (IATTO) Seabird Conservation Advisory Group (2003 – present)  
Short-Tailed Albatross Endangered Species Act Recovery Team (2002 – present)  
Visiting Scientist, Australian Antarctic Division 2003  
Marine Ecosystem Health Program Scientific Advisory Committee (2000 to 2003)  
SeaDoc Society Scientific Advisory Committee (2005)  
National Shellfisheries Association Pacific Coast Section, President 1991-1992, vice President 1990  
North Pacific Albatross Working Group (2000 to present)  
Monterey Bay Aquarium Seafood Watch Scientific Review Committee (2001)  
Second International Fishers Forum Planning Committee (2002)  
Third International Albatross and Petrel Conference Organizing Committee (2005)  
New Zealand National Plan of Action Technical Working Group (2004-2005)

**Professional Memberships**

Pacific Seabird Group  
American Fisheries Society

**Publications**

*Peer Reviewed*

**Melvin, E. F.**, T. J. Guy, and L. B. Read. In Prep. Best Practice Seabird Bycatch Mitigation for Pelagic Longline Fisheries. Biol. Cons.

- Melvin, E. F.**, T. J. Guy and L. B. Read. In Prep. Towards Best Practice Seabird Bycatch Mitigation for Pelagic Longline Fisheries: A Comparison of Two Streamer Line designs in the South Africa Tuna Joint Venture Fishery. Fisheries Research.
- Guy, T.J.1, Jennings S.L.1, Suryan R.M.2, **Melvin E.F.**1, Bellman, M.A.3, Anderson D.J. 4, Ballance L.T.5, Blackie B.A.6, Croll D.A. 7, Deguchi T. 8, Geernaert T.O. 9, Henry R.W. 10, Hester, M. 11, Hyrenbach K.D. 12, Jahncke J. 13, Ozaki K. 8, Roletto J. 14, Sato F. 8, Shaffer S.A. 15, Sydeman W.J. 16, and Zamon J.E. 17. In Prep. Spatial overlap of North Pacific albatrosses with the U.S. west coast groundfish fishery. Fisheries Research.
- Huang, H-W, Y-M Yeh, K. S. Dietrich, and **E. F. Melvin**. In Press. Estimates of Seabird Incidental Catch by Pelagic Longline Fisheries in the South Atlantic Ocean. Animal Conservation.
- Melvin, E. F.**, K. S. Dietrich, S. Fitzgerald, and T Cardoso. 2011. Reducing seabird strikes with trawl cables in the pollock catcher-processor fleet in the eastern Bering Sea. *Polar Biol.* 34:215–226
- Dietrich, K. S., J. K. Parrish and **E. F. Melvin**. 2009. Understanding and addressing seabird bycatch in Alaska demersal longline fisheries. *Biol. Cons.* 142:2642-2656
- Robertson, G., C.A. Moreno, E. Gutierrez, S.G. Candy, **E.F. Melvin**, J.P. Seco Pon. 2008. Line weights of constant mass (and sink rates) for Spanish-system Patagonian toothfish longline vessels. *CCAMLR Science*, Vol.15 (2008)
- Dietrich, K. S., **E. F. Melvin**, and L. Conquest. 2008. Integrated weight longlines with paired streamer lines – Best practice to prevent seabird bycatch in demersal longline fisheries. *Biol. Cons.* 141:1793-1805.
- Suryan, R. M., K. S. Dietrich, **E. F. Melvin**, G. R. Balogh, F. Sato, and K. Ozaki. 2007. Migratory routes of short-tailed albatrosses: Time spent among exclusive economic zones of North Pacific Rim countries and spatial overlap with commercial fisheries in Alaska. *Biol. Cons.* 137:450-460
- Melvin, E. F.**, B. Sullivan, G. Robertson, and B. Wienecke. 2004. A review of the effectiveness of streamer lines as a seabird bycatch mitigation technique in longline fisheries and CCAMLR streamer line requirements. *CCAMLR Sci.* 11:189-201.
- Melvin, E. F.**, and J. K. Parrish. 2001. Preface - Seabird Bycatch: Trends, Roadblocks and Solutions. Pages v-vi in E. F. Melvin and J. K. Parrish, editors. *Seabird Bycatch: Trends, Roadblocks and Solutions*. University of Alaska Sea Grant, Fairbanks, AK.
- Melvin, E. F.**, and J. K. Parrish. 2001. Symposium synthesis. Pages 1-7 in E. F. Melvin and J. K. Parrish, editors. *Seabird Bycatch: Trends, Roadblocks and Solutions*. University of Alaska Sea Grant, Fairbanks, AK.
- Melvin, E.**, and G. Robertson. 2000. Appendix 3: Seabird mitigation research in longline fisheries: status and priorities for future research and actions. In J. Cooper (ed.), *Albatross and petrel mortality from longline fishing*, International Workshop, Honolulu, HI, 11-12 May 2000. *Mar. Ornithol.* 28:178-181.
- Melvin, E. F.**, J. K. Parrish, and L. L. Conquest. 1999. Novel tools to reduce seabird bycatch in coastal gillnet fisheries. *Conserv. Biol.* 13:1386-1397.
- Thompson, C. W., M. L. Wilson, **E. Melvin**, and J. D. Pierce. 1998. An unusual sequence of flight-feather molt in common murrelets and its evolutionary consequences. *The Auk* 115:653-669.
- Price, R. J., **E. F. Melvin**, and J. W. Bell. 1992. Post-mortem changes in blast, brine, and brine-coil albacore. *J. Aquat. Food Prod. Tech.* 1:67-84.
- Price, R. J., **E. F. Melvin**, and J. W. Bell. 1991. Postmortem changes in chilled round, bled and dressed albacore. *J. Food Sci.* 56:318-321.
- Bronstein, M. N., R. J. Price, E. M. Strange, **E. F. Melvin**, C. M. Dewees, and B. B. Wyatt. 1985. Storage of Dressed Chinook Salmon, *Onchorhynchus tshawytscha*, in Refrigerated Freshwater, Diluted Seawater, Seawater, and in Ice. *Marine Fisheries Review* 47(1): 5.

*Reports, Publications and Videos.*

- Melvin, E., T. Guy, and N. Sato. 2011. Preliminary Report of 2010 Weighted Branchline Trials in the Tuna Joint Venture Fishery in the South African EEZ. Fourth Meeting of the Seabird Bycatch Working Group, Agreement on the Conservation of Albatrosses and Petrels, Guayaquil, Ecuador, 22 – 24 August 2011. SBWG-4 Doc 07.
- Melvin, E. F., T. J. Guy and L. B. Read. 2010. Shrink and Defend: A Comparison of Two Streamer Line designs in the 2009 South Africa Tuna Fishery. ACAP SBWG-3 Doc 13, rev1.
- Melvin, E.F. 2010. Pelagic Longline: Streamer Lines. Bycatch Mitigation Fact Sheet 7, Agreement for the Conservation of Albatrosses and Petrels, Hobart, Tasmania; <http://www.acap.aq/mitigation-fact-sheets>
- Melvin, E.F., T. Guy, and B. Rose. 2009. Branchline Weighting on Two Japanese Joint Venture Vessels Participating in the 2009 South African Tuna Fishery: A Preliminary Report.

- Melvin, E. F., C. Heineken, and T. J. Guy. 2009. Optimizing Tori Line Designs for Pelagic Tuna Longline Fisheries: South Africa. Report of work under special permit from the Republic of South Africa Department of Environmental Affairs and Tourism, Marine and Coastal Management, Pelagic and High Seas Fishery Management Division.
- Melvin, E. F., and N. Walker. 2008. Optimizing tori line designs for pelagic tuna longline fisheries. Report of work under New Zealand Ministry of Fisheries Special Permit 355.
- Dietrich, K. S., and E. F. Melvin. 2008. Alaska Trawl Fisheries: Potential Interactions with North Pacific Albatrosses. WSG-TR-01, Washington Sea Grant, Seattle, WA.
- Melvin, E.F., M.D. Wainstein, K.S. Dietrich, K.L. Ames, T.O. Geernaert, and L.L. Conquest. 2006. The distribution of seabirds on the Alaskan longline fishing grounds: implication for seabird avoidance regulations. WSG-AS06-01, Washington Sea Grant, University of Washington.
- Melvin, E.F., and M.D. Wainstein. 2006. Seabird avoidance measures for small Alaskan longline vessels. Project A/FP-7, Washington Sea Grant, University of Washington.
- Dietrich, K., E. Melvin, and L. Conquest. 2006. Integrated weight longlines with paired streamer lines – Best management practice for demersal longline fisheries: Preliminary results. WG-FSA-06/52, CCAMLR, Hobart.
- Melvin, E. F., K.S. Dietrich, and T. Thomas. 2004. Pilot tests of techniques to mitigate seabird interactions with catcher processor vessels in the Bering Sea pollock trawl fishery: final report. Final Report WSG-AS 05-05, Washington Sea Grant, University of Washington.
- Melvin, E.F., K.S. Dietrich, K. Van Wormer, and T. Geernaert. 2004. The distribution of seabirds on Alaskan Longline fishing grounds: 2002 Data Report. WSG-TA 04-02, Washington Sea Grant, University of Washington.
- Dietrich, K. S., and E. Melvin. 2004. Annotated bibliography: Seabird interactions with trawl fishing operations and cooperative research. WSG-TA 04-02, Washington Sea Grant, University of Washington, Seattle.
- Melvin, E. F. 2003. CCAMLR streamer line requirements revisited. WG-FSA-03/22, CCAMLR, Hobart, Tasmania.
- Melvin, E. F., and J. K. Parrish. 2003. Focusing and testing fisher know-how to solve conservation problems: A common sense approach. Pages 224-226 *in* N. Haggan, C. Brignall, and L. Wood, editors. Putting Fishers' Knowledge to Work: Conference Proceedings. University of British Columbia, Vancouver, Fisheries Centre Research Report, Vol. 11.
- Melvin, E. F., and D. Mercy. 2003. Off the hook: An informational video for Alaska longliners. WSG-AV 03-01. *in* Washington Sea Grant.
- Norris, S., M. Hall, E. Melvin, and J. Parrish. 2002. Thinking like an ocean: Ecological lessons from marine bycatch. *Conservation in Practice* 3:4-12.
- Melvin, E. F., and J. K. Parrish, editors. 2001. Seabird Bycatch: Trends, Roadblocks and Solutions. AK-SG-01-01. University of Alaska Sea Grant, Fairbanks, AK.
- Melvin, E. F., J. K. Parrish, K. S. Dietrich, and O. S. Hamel. 2001. Solutions to seabird bycatch in Alaska's demersal longline fisheries. Project A/FP-7, WSG-AS 01-01, Washington Sea Grant.
- Melvin, E. F., L. L. Conquest, and J. K. Parrish. 1997. Seabird bycatch reduction: new tools for Puget Sound drift gillnet salmon fisheries. Project A/FP-7, WASHU-T-97-001 C2, Washington Sea Grant.
- Melvin, E. F., and L. Conquest. 1996. Reduction of seabird bycatch in salmon drift gillnet fisheries: 1995 Sockeye/pink salmon fishery - final report. Project A/FP-2(a), WSG-AS-96-01, Washington Sea Grant, Seattle, WA.
- Melvin, E. 1995. Reduction of seabird entanglements in salmon drift gillnets through gear modification. WSG-95-01, Washington Sea Grant, University of Washington, Seattle, WA.
- Melvin, E. F., and R. J. Price. 1994. Recommendations for On Board Handling of Albacore Tuna. Project A/EA-1, UCSGEP 94-4, University of California Cooperative Extension, Sea Grant Extension Publication.
- Melvin, E. F., and S. A. Osborn. 1992. Development of the West Coast Fishery for Pacific Hagfish - Final Report to Saltonstall-Kennedy Program, National Marine Fisheries Service. WSG-AS 92-02, Washington Sea Grant Program.
- Price, R. J., and E. F. Melvin. 1989. On-board Handling of Albacore Tuna for Alternative Markets - Final Report to Saltonstall-Kennedy Program, National Marine Fisheries Service. California Sea Grant College Program.
- Melvin, E. F., B. B. Wyatt, and R. J. Price. 1983. Recommended Procedures for Handling Troll-Caught Salmon. California Sea Grant Extension Program.

### *Books*

Melvin, E. F., and J. K. Parrish, editors. 2001. *Seabird Bycatch: Trends, Roadblocks and Solutions*. University of Alaska Sea Grant, Fairbanks, AK.