

DAVID G. AINLEY

H.T. Harvey & Associates, 983 University Avenue, Bldg D, Los Gatos CA 95032; work phone 408 458-3223, FAX 458-3210, home phone 415 332-5718; e-mail: dainley@penguinscience.com

PROFESSIONAL PREPARATION

BS, Dickinson College, *Magna cum Laude* with Honors in Biology. 1968. Recipient of Undergraduate Prize (1967) and Spencer F. Baird Prize (1968) in Biology. Elected: *Phi Beta Kappa*.

PhD, Johns Hopkins University, Animal Behavior/Ecology. 1971. Dissertation: *Communication and reproductive cycles in Adélie Penguins*.

APPOINTMENTS

July 1995 to present. Senior Ecological Associate. H.T. Harvey & Associates, San Jose CA

1996 to present. Adjunct Professor. Moss Landing Marine Laboratories.

Jan 1977 to 1995. Program Director - Marine Studies. Point Reyes Bird Observatory, Stinson Beach, CA

Jan 1971-Dec 1976. Farallon Biologist. PRBO, Stinson Beach, CA

June-Aug 1969. Research assistant, Clarence Rhode National Wildlife Range, Bethel, Ak.

June-Aug 1968. Research assistant, Chesapeake Bay Center for Environmental Studies, MD.

June-Aug 1967. Undergraduate research assistant (NSF). Bowdoin College Research Station, Kent Island, Bay of Fundy.

CURRENT PROJECTS

Trying to save the Ross Sea as a Marine Protected Area (see www.lastocean.com, www.asoc.org)

Demography and resource exploitation of Adélie Penguins in the Ross Sea

GLOBEC: top predators in marine ecosystems

Conservation biology of Newell's Shearwater and Hawaiian Petrel

RELEVANT PUBLICATIONS (5)

Ainley, D.G. 2002. *Adélie Penguin: Bellwether of Climate Change*. Columbia Univ. Press, NY. 310 pp.

Ainley, D.G. 2010. A history of the exploitation of the Ross Sea, Antarctica. *Polar Record* 46 (238): 233–243.

Ainley, D.G., J. Russell, S. Jenouvrier, E. Woehler, P. O'b. Lyver, W.R. Fraser, G.L. Kooyman. 2010. Antarctic penguin response to habitat change as earth's troposphere reaches 2°C above pre-industrial levels. *Ecological Monographs* 80: 49-66.

Karnovsky, N., D.G. Ainley & P. Lee. 2007. The impact and importance of production in polynyas to top-trophic predators: three case histories. *In Polynyas* (W.O. Smith, Jr. & D.G. Barber, Eds.). Elsevier Publishers, London.

Tynan, C.T., D.G. Ainley & I. Stirling. 2010. Sea ice: a critical habitat for polar marine mammals and birds, pp 395-424. *In* D.N. Thomas & G. S. Dieckmann (ed.), *Sea Ice*, 2nd Edition. Wiley-Blackwell, Chichester, UK.

OTHER PUBLICATIONS (5)

Ainley, D.G., S.S. Jacobs, C.A. Ribic & I. Gaffney. Seabird distribution and oceanic features of the Amundsen and southern Bellingshausen seas. *Antarctic Science* 10: 111-123.

Ainley, D.G., E. F. O'Connor & R. J. Boekelheide. 1984. *Ecology of Seabirds in the Ross Sea, Antarctica*. A. O. U. Monograph No. 32. 79 pp.

- Ainley, D.G., E.D. Clarke, K. Arrigo, W.R. Fraser, A. Kato, K.J. Barton & P.R. Wilson. 2005. Decadal-scale changes in the climate and biota of the Pacific sector of the Southern Ocean, 1950s to the 1990s. *Antarctic Science* 17: 171–182.
- Ainley, D.G., W. J. Sydeman & J. Norton. 1995. Upper-trophic level predators indicate interannual negative and positive anomalies in the California Current food web. *Mar. Ecol. Progr. Ser.* 118: 69-79.
- Smith, W.O., Jr., D.G. Ainley & R. Cattaneo-Vietti. 2006. Marine Ecosystems: the Ross Sea. *In Antarctic Ecology: From Genes to Ecosystems*, Phil. Trans. R. Soc. B (2007) 362, 95–111.

SYNERGISTIC ACTIVITIES (last 5 years)

- Editorial Board: *Antarctic Science* 1990-1996, *South African Journal of Marine Science* 1992-present, *Marine Ornithology* 2000-present; Editor: *Bird Populations* 1996-present.
- Author of 4 species accounts (Ashy Storm-Petrel, Black Storm-Petrel, Common Murre, Newells Shearwater) for American Ornithologists Union: *Birds of North America: Life Histories for the 21st Century*.
- Member, National Scientific Steering Committee, U.S. GLOBEC, 2000-2006.
- Uncompensated Expert Witness: National Audubon et al. vs U.S. Gov (ACOE/NMFS) - Providing a future for Caspian Terns on the Columbia River.