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Education

B.A. 1979 Swarthmore College, Swarthmore, PA

Professional Appointments

1996 – present. Research Scientist, The Institute for Bird Populations, Point Reyes Station, CA

1985 – 2003 Biologist, Farallon Islands, Point Reyes Bird Observatory/U.S. Fish and Wildlife Service

1977 – 1986 Biologist, Hawaii, Micronesia, and American Samoa Forest Bird Surveys

Professional Service Highlights

Research Associate, California Academy of Sciences, San Francisco, 1998-present

Research Associate, B.P. Bishop Museum, Honolulu, 1995-present

Technical Reviewer, Gulf of the Farallones National Marine Sanctuary, 1993-present

Member, California Bird Records Committee, 1987-present

Peer-reviewed Journal Articles

A. Senior Author

Pyle, P. 1975. Thirty-ninth breeding bird census: Mixed upland habitat, Montgomery County, Maryland. *American Birds* 29:11-15.

Pyle, P. 1976. Long-billed Curlew seen in Somerset County, Maryland. *Maryland Birdlife* 32:101.

Pyle, P., D.F. DeSante, R.J. Boekelheide, and R.P. Henderson. 1983. A Dusky Warbler on Southeast Farallon Island, California. *Auk* 100: 995-996.

Pyle, P. 1984. Observations of migrant and vagrant birds on Kure and Midway Atolls, 1982-1983. *'Elepaio* 44:108-111.

Pyle, P. 1985. Identification Guide to European Passerines [Review]. *North American Bird Bander* 10:22-23.

Pyle, P., and J. Engbring. 1985. Checklist of the birds of Micronesia. *'Elepaio* 46:57-68.

Pyle, P., and B. Eilerts. 1986. Pelagic seabird observations from Northwest Hawaiian Island waters. *'Elepaio* 46:181-183.

Pyle, P., and W.C. Gagne. 1986. The globe skimmer, *Pantala flavescens*, on Kure Atoll. *Proceedings of the Hawaii Entomological Society* 26:4-5.

Pyle, P., and J. Engbring. 1987. New bird records and migrant observations from Micronesia, 1977-1984. *'Elepaio* 47:11-15.

Pyle, P., S.N.G. Howell, R.P. Yunick, and D.F. DeSante. 1987. Identification Guide to North American Passerines. Slate Creek Press, Bolinas, CA. 280 pp.

Pyle, P. 1988. Comments and an errata for Identification Guide to North American Passerines. *North American Bird Bander* 13:112-113.

- Pyle, P., and J. Engbring. 1988. First described nest and nest-site activity of the Truk Greater White-eye (*Rukia ruki*). *Micronesica* 21:281-283.
- Pyle, P., P.V. Donaldson, R. David, and R.L. Pyle. 1988. The status of small *Calidris* sandpipers in the Hawaiian Islands: Documentation of three first state records. *'Elepaio* 48:71-77.
- Pyle, P., and P. Henderson. 1990. On separating female and immature *Oporornis* warblers in fall. *Birding* 22: 222-229.
- Pyle, P., L. Spear, and J. Engbring. 1990. A previously unreported population of Herald Petrels on Ta'u Island, American Samoa. *Colonial Waterbirds* 13:136-138.
- Pyle, P., and R.P. Henderson. 1991. The birds of Southeast Farallon Island: Occurrence and seasonal distribution of migratory species. *Western Birds* 22:41-84.
- Pyle, P., L.B. Spear, W.J. Sydeman, and D.G. Ainley. 1991. The effects of experience and age on the breeding performance of Western Gulls. *Auk* 108: 25-33.
- Pyle, P., and G. McCaskie. 1992. Thirteenth report of the California Bird Records Committee. *Western Birds* 23:97-132.
- Pyle, P., and D.A. Sibley. 1992. Juvenal-plumaged Le Conte's Sparrows on migration. *Birding* 24:70-76
- Pyle, P. 1993. A Markham's Storm-Petrel in the Northeastern Pacific. *Western Birds* 24:108-110.
- Pyle, P., and S.N.G. Howell. 1993. An Arctic Warbler in Baja California, Mexico. *Western Birds* 24:53-56.
- Pyle, P., and S.N.G. Howell. 1993. An aggregation of Peregrine Falcons on the Mexican winter grounds. *Euphonia* 2:92-94.
- Pyle, P., L.B. Spear, and D.G. Ainley. 1993. Observations of Dark-rumped Petrels off Oregon and California. *Western Birds* 24:110-112.
- Pyle, P., N. Nur, R.P. Henderson, and D.F. DeSante. 1993. The effects of weather and lunar cycle on nocturnal migration of landbirds at Southeast Farallon Island, California. *Condor* 95:343-361.
- Pyle, P., and D.F. DeSante. 1994. Trends in waterbirds and raptors at Southeast Farallon Island, California, 1974-1993. *Bird Populations* 2:33-43.
- Pyle, P., K. Hanni, and D. Smith. 1994. Bird notes from Isla Guadalupe, including three new island records. *Euphonia* 3:1-4.
- Pyle, P., N. Nur, and D.F. DeSante. 1994. The landbird census on Southeast Farallon Island: An indicator of population change? Pp. 27-34 in S. Droege (ed.), *Proceedings of the Migration Monitoring Workshop*, U.S. Fish and Wildlife Service, Washington D.C.
- Pyle, P., N. Nur, and D.F. DeSante. 1994. Trends in nocturnal migrant landbirds at Southeast Farallon Island, California. *Studies in Avian Biology* 15:58-74.

- Pyle, P. 1995. Age of Norfolk Red-breasted Nuthatch. *British Birds* 88:611.
- Pyle, P. 1995. Incomplete flight-feather molts and age in certain North American non-passerines. *North American Bird Bander* 20:15-26.
- Pyle, P., and S.N.G. Howell. 1995. Flight-feather molt patterns and age in North American woodpeckers. *Journal of Field Ornithology* 66:564-581.
- Pyle, P., and L. Gilbert. 1996. Occurrence patterns and trends of cetaceans recorded from Southeast Farallon Island, California, 1973-1994. *Northwestern Naturalist* 77:1-8.
- Pyle, P., and S.N.G. Howell. 1996. Intraspecific variation and the identification of *Spizella* sparrows. *Birding* 28:374-387.
- Pyle, P., S.D. Anderson, and D.G. Ainley. 1996. Trends in white shark predation at the South Farallon Islands, 1968-1993. Pp. 375-379 in A.P. Klimley and D.G. Ainley, eds., *Great white sharks: The biology of *Carcharodon carcharias**. Academic Press, San Diego, CA.
- Pyle, P., S.D. Anderson, A.P. Klimley, and R.P. Henderson. 1996. Environmental factors affecting the occurrence and behavior of white sharks at the Farallon Islands, California. Pp. 281-291 in A.P. Klimley and D.G. Ainley, eds., *Great white sharks: The biology of *Carcharodon carcharias**. Academic Press, San Diego, CA.
- Pyle, P. 1997. A further examination of wing and tail formulae in *Contopus* and *Empidonax* flycatchers. Pp. 147-154 in R.W. Dickerman, comp., *The era of Allan Phillips: A Festschrift*. R.W. Dickerman, Albuquerque, NM.
- Pyle, P. 1997. First year Slaty-backed Gull. *Birders Journal* 6:251.
- Pyle, P. 1997. Flight-feather molt patterns and age in North American owls. *Monographs in Avian Biology* 2:1-32.
- Pyle, P. 1997. *Identification Guide to North American Birds. Part 1*. Slate Creek Press, Bolinas, CA. 742 pp.
- Pyle, P. 1997. Molt limits in North American passerines. *North American Bird Bander* 22:49-90.
- Pyle, P., N. Nur, W.J. Sydeman, and S.D. Emslie. 1997. Cost of reproduction and the evolution of deferred breeding in the Western Gull. *Behavioral Ecology* 8:140-147.
- Pyle, P., S.N.G. Howell, and G.M. Yanega. 1997. Molt, retained flight feathers and age in North American hummingbirds. Pp. 155-166 in R.W. Dickerman, comp., *The era of Allan Phillips: A Festschrift*. R.W. Dickerman, Albuquerque, NM.
- Pyle, P. 1998. A field guide to the warblers of North America [Review]. *Western Birds* 29:233-234.
- Pyle, P. 1998. Eccentric first-year molts in certain Tyrannid flycatchers. *Western Birds* 29:29-35.

- Pyle, P., and J. Nestler. 1998. First record of a *Cuculus* cuckoo on Midway Atoll and the Hawaiian Islands. *Western Birds* 29:124-127.
- Pyle, P., and P. Unitt. 1998. Molt and plumage variation by age and sex in the California and Black-tailed gnatcatchers. *Western Birds* 29:280-289.
- Pyle, P. 1999. Molts by age in the Bristle-thighed Curlew and other shorebirds. *Western Birds* 30:181-183.
- Pyle, P., E. McLaren, and W.J. Sydeman. 1999. Organochlorine concentrations, eggshell thickness, and hatchability in seabirds off Central California. *Colonial Waterbirds* 22:376-381.
- Pyle, P., M.J. Schramm, C. Keiper, and S.D. Anderson. 1999. Predation on a white shark (*Carcharodon carcharias*) by a killer whale (*Orcinus orca*) and a possible case of competitive displacement. *Marine Mammal Science* 15:563-568.
- Pyle, P., and S.N.G. Howell. 2000. Revised ageing and sexing criteria for the Blue-throated Hummingbird. *North American Bird Bander* 25:134-137.
- Pyle, P. 2001. Age at first breeding and natal dispersal in a declining population of Cassin's Auklet. *Auk* 118:996-1007.
- Pyle, P. 2001. Isles of Refuge [Review]. *Western Birds* 32:234
- Pyle, P., D.J. Long, J. Shonewald, R.E. Jones, and J. Roletto. 2001. Historical and recent colonization of the South Farallon Islands, California, by Northern Fur Seals (*Callorhinus ursinus*). *Marine Mammal Science* 17:397-402.
- Pyle, P., N. Hoffman, B. Casler, and T. McKee. 2001. Little and Least terns breeding on Midway Atoll: Identification, range extensions, and assortative breeding behavior. *North American Birds* 55:3-6.
- Pyle, P., W.J. Sydeman, and M. Hester. 2001. Effects of age, breeding experience, mate fidelity, and site fidelity on breeding performance in a declining population of Cassin's Auklets. *Journal of Animal Ecology* 70:1088-1097.
- Pyle, P. 2002. Biological and Ecological Niches of the Gulf of the Farallones: Seabirds. Pp. 44-48 in K.A. Herman et al., eds., *Beyond the Golden Gate-- oceanography, geology, biology, and environmental issues in the Gulf of the Farallones*. USGS Circular
- Pyle, P. 2002. Bird Station Manual [Review]. *Auk* 119:290-291.
- Pyle, P., and D.F. DeSante. 2003. Four-letter and six-letter alpha codes for birds recorded in the American Ornithologists' Union Check-list area. *North American Bird Bander* 28:64-79.
- Pyle, P. and S.N.G. Howell. 2004. Ornamental plume development and the "prealternate molts" of herons and egrets. *Wilson Bulletin* 116:287-297.
- Pyle, P., A. Engilis Jr., and T.G. Moore. 2004. A Specimen of the nominate subspecies of the Red-Shouldered hawk from California. *Western Birds* 35:100-104

- Pyle, P., A. McAndrews, P. Veléz, R. L. Wilkerson, R. B. Siegel, and D. F. DeSante. 2004. Molt patterns and age and sex determination of selected southeastern Cuban landbirds. *Journal of Field Ornithology* 75:136–145.
- Pyle, P. 2005. First-cycle molts in North American Falconiformes. *Raptor Research* 39:378-385.
- Pyle, P. 2005. Molts and plumages of ducks. *Colonial Waterbirds* 28:207-218.
- Pyle, P. 2005. Remigial molt patterns in North American Falconiformes as related to age, sex, breeding status, and life-history strategies. *Condor* 107:823-834.
- Pyle, P., and D.F. DeSante. 2005. Updates to four-letter and six-letter alpha codes based on revisions by the American Ornithologists' Union. *North American Bird Bander* 30:70-72.
- Pyle, P. 2006. Handbook of avian hybrids of the world [Review]. *Western Birds* 37:237-239
- Pyle, P. 2006. Offshore Pacific highlights in summer-fall 2005: Just another year. *North American Birds* 60:4-13.
- Pyle, P. 2006. Staffelmauser and other adaptive wing-molt strategies in larger birds. *Western Birds* 37:179-185.
- Pyle, P., and D.F. DeSante. 2006. Updates to four-letter and six-letter alpha codes based on revisions by the American Ornithologists' Union in 2005-2006. *North American Bird Bander* 31:193-195.
- Pyle, P., G. Friedrichsen, T. Staudt, C. Oedekoven, and L.T. Ballance. 2006. First Record of Ringed Storm-Petrel (*Oceanodroma hornbyi*) for North America. *North American Birds* 60:162-163
- Pyle, P. 2007. Revision of molt and plumage terminology in Ptarmigan (Phasianidae: *Lagopus* spp.) based on evolutionary considerations. *Auk* 124:508-514.
- Pyle, P. 2008. Barefoot on Lava: The Journals and Correspondence of Naturalist R. C. L. Perkins in Hawai'i, 1892-1901 [Review]. *Western Birds* 39:230-232.
- Pyle, P. 2008. Identification Guide to North American Birds. Part 2. Slate Creek Press, Point Reyes Station, CA.
- P. Pyle. 2008. Birding by feather: A molt and plumage primer. Birding web extra. <http://www.google.com/url?q=http://www.aba.org/birding/v40n6p18w1.pdf&sa=>
- Pyle, P., S.L. Jones, and J.M. Ruth 2008. Molt and aging criteria of four North American grassland passerines. Biological Technical Publication, FWS/BTP-R6011-2008. U.S. Fish and Wildlife Service, Washington, D.C.
- Pyle, P. 2009. Age determination and molt strategies in North American alcids. *Marine Ornithology* 37:219-225.
- Pyle, P., and D.F. DeSante. 2009. Updates to four-letter and six-letter alpha codes based on revisions by the American Ornithologists' Union in 2007-2008. *North American Bird Bander* 34:65-67.

Pyle, P., and D.F. DeSante. 2009. Updates to four-letter and six-letter alpha codes based on revisions by the American Ornithologists' Union in 2009. *North American Bird Bander* 34:109-110.

Pyle, P., W.A. Leitner, L. Lozano-Angulo, F. Avilez-Teran, H. Swanson, E. Gómez-Limón, and M.K. Chambers. 2009. Temporal, spatial, and annual variation in the occurrence of molt-migrant passerines in the Mexican monsoon region. *Condor* 111:583-590.

Pyle, P., and R. Kayhart. 2010. Replacement of primaries during the prealternate molt of a Yellow Warbler. *North American Bird Bander* 35:178-181.

Pyle, P., and B.L. Sullivan. 2010. Documenting repeated occurrence of individual birds with digital images. *Western Birds*: 41:261-265

Pyle, P. 2011. Nomenclature of the Laysan Honeycreeper, *Himatione [sanguinea] fraithii*. *Bulletin of the British Ornithological Club* 131:116-117.

Pyle, P. 2011. Paseriformes del Occidente de México: morfometría, datación y sexado. [Review]. *Western Birds* 42:120-122.

Pyle, P. 2011. Paseriformes del Occidente de México: morfometría, datación y sexado. [Review]. *Revista Catalana d'Ornitologia* 27:45-47. [Version in Catalan also in bulletin L'Abellerol, no. 42]

Pyle, P., and M. B. Main. 2011. Surveying and monitoring birds. Pp. 49-90 in M.B. Main, ed., *Wildlife monitoring: Florida Mastern Naturalist Program special topics*. Southwest Florida Research and Education Center, Immokalee, FL. www.MasterNaturalist.org.

Pyle, P., J. Tietz, and G. McCaskie. 2011. Thirty-fifth report of the California Bird Records Committee: 2009 records. *Western Birds*: 42:134-163.

Pyle, P., D.L. Webster, and R.W. Baird. 2011. Notes on petrels of the Dark-rumped Petrel complex (*Pterodroma phaeopygia/sandwichensis*) in Hawaiian waters. *North American Birds* 65:364-367.

Pyle, P. A.J. Welch, and R.C. Fleischer. 2011. A new species of shearwater (*Puffinus*) recorded from Midway Atoll, Northwestern Hawaiian Islands. *Condor* 113:518-527.

Pyle, P., and D. DeSante. 2012. List of North American birds and alpha codes according to American Ornithologists' Union taxonomy through the 53rd AOU Supplement [Downloaded <date>]. Available from <http://www.birdpop.org/alphacodes.htm>. [Updated annually: 2013]

Pyle, P. 2013. Molt homologies in ducks and other birds: a response to Hawkins (2011) and further thoughts on molt terminology in ducks *Waterbirds* 36:75-79.

Pyle, P. 2013. Appearance. Molts. Plumages. In S. T. Weidensaul, R. Robinson, R. R. Sargent and M. B. Sargent, Ruby-throated Hummingbird (*Archilochus colubris*), *The Birds of North America Online* (A. Poole, Ed.). Ithaca: Cornell Lab of Ornithology; Retrieved from the Birds of North America Online: <http://bna.birds.cornell.edu/bna/species/204>

Pyle, P. 2013. Evolutionary implications of synapomorphic wing-molt sequences among falcons (Falconidae) and Parrots (Psittaciformes). *Condor* 115:593-602.

Pyle, P. 2013. Dark-faced Common Murres off California in fall and winter. *Western Birds* 44:250-261.

Pyle, P. 2013. Harrier molts and plumages. *Birding* 45:10-12.

Pyle, P. 2014. Plumages of second-basic and older Northern Harriers: A circular *Circus*? *Birding* 46: 46-53.

Pyle, P., R. David, B. D. Eilerts, A. B. Amerson, A. Borker, and M. McKown. 2014. Second record of Bryan's Shearwater *Puffinus bryani* from Midway Atoll, with notes on habitat selection, vocalizations, and at-sea distribution. *Marine Ornithology* 42:5-8. Supplementary information: <http://www.birdpop.net/index.php/en/brys>.

Pyle, P., A. Engilis Jr., and D. A. Kelt. 2015. Manual for ageing and sexing the landbirds of Bosque Fray Jorge National Park and north-central Chile, with notes on range and breeding seasonality. Special Publications of the Louisiana State University, Baton Rouge, LA. <https://sites01.lsu.edu/wp/mnspapers/files/2015/02/Manual-for-Ageing-and-Sexing-Birds-at-Fray-Jorge-National-Park-Pyle-et-al-2Feb2015.pdf>

Pyle, P., and M. Reid. In press. Molts and plumages in the Long-tailed and other jaegers: An alternate explanation for non-breeding plumages? *Western Birds*.

Pyle, P, K. Tranquillo, and N. Arcilla. In review. Molt patterns, age criteria, and molt-breeding overlap in Ameican Samoan landbirds. *Wilson Journal of Ornithology*.

B. Coauthor

Ashman, P., and P. Pyle. 1978. First records of Lavender Fire Finch on Hawaii. *'Elepaio* 38:99-100.

Ashman, P.R., P. Pyle, and J. Jeffrey. 1984. A second nest of the Small Kauai Thrush. *'Elepaio* 45:33-34.

DeSante, D.F., and P.Pyle. 1986. *Distributional Checklist to the Birds of North America*. Artemesia Press, Lee Vining CA. 442 pp.

Howell, S.N.G., and P. Pyle. 1988. Additional notes on birds in Baja California. *Aves Mexicanas* 1:5-6.

Bailey, S.F., P. Pyle, and L. Spear. 1989. Dark *Pterodroma* petrels in the North Pacific: Identification, status, and Pacific North American occurrence. *American Birds* 43:400-415.

Howell, S.N.G., and P. Pyle. 1989. Another vagrant location in Baja California. *Aves Mexicanas* 2:3-4.

Howell, S.N.G., and P. Pyle. 1990. Additional notes on birds in Baja California, May 1989. *Aves Mexicanas* 2:6-7.

Sydeman, W.J., J.F. Penniman, T.M. Penniman, P. Pyle, and D.G. Ainley. 1991. Breeding performance in the Western Gull: Effects of parental age, timing of breeding and year in relation to food availability. *Journal of Animal Ecology* 60:135-149.

Emslie, S.D., W.J. Sydeman, and P. Pyle. 1992. The importance of mate retention and experience on breeding success in Cassin's Auklet (*Ptychoramphus aleuticus*). *Behavioral Ecology* 3:189-195.

Klimley, A.P., S.D. Anderson, P. Pyle, and R.P. Henderson. 1992. Spatiotemporal patterns of white shark (*Carcharodon carcharias*) predation at the South Farallon Islands, California. *Copeia* 1992:680-690.

Bartle, J.A., D. Hu, J.-C. Stahl, P. Pyle, T.R. Simons, and D. Woodby. 1993. Status and ecology of gadfly petrels in the temperate North Pacific. Pp. 101-111 in K. Vermeer, K.T. Briggs, K.H. Morgan, and D. Siegel-Causey, eds., *The status, ecology, and conservation of marine birds of the North Pacific*. Special Publication, Howell, S.N.G., and P. Pyle. 1993. New and noteworthy bird records from Baja California, Mexico, October 1991. *Western Birds* 24:57-62.

Howell, S.N.G., P. Pyle, L.B. Spear, and R.L. Pitman. 1993. North American migrant birds on Clipperton Atoll. *Western Birds* 24:73-80.

Ralph, C.J., G.R. Geupel, P.Pyle, T.E. Martin, and D.F. DeSante. 1993. Handbook for field methods for monitoring landbirds. U.S. Department of Agriculture General Technical Report PSW-GTR-144, Albany, CA.

Howell, S.N.G., L.B. Spear, and P. Pyle. 1994. Identification of Manx-type shearwaters in the Eastern Pacific. *Western Birds* 25:169-177.

Ainley, D.G., R.L. Veit, S.G. Allen, L.B. Spear, and P. Pyle. 1995. Variations in marine bird communities of the California Current, 1986-1994. California Cooperative Oceanic Fisheries Investigations Reports 36:22-37.

Erickson, R.A., R.A. Hamilton, S.N.G. Howell, P. Pyle, and M.A. Patten. 1995. First record of the Marbled Murrelet and third record of the Ancient Murrelet for Mexico. *Western Birds* 26:39-45.

Spear, L., W.J. Sydeman, and P. Pyle. 1995. Factors affecting recruitment age and recruitment probability in the Western Gull *Larus occidentalis*. *Ibis* 137:352-359.

Anderson, S.D., A.P. Klimley, P. Pyle, and R.P. Henderson. 1996. Tidal height and white shark predation at the South Farallon Islands, California. Pp. 275-279 in A.P. Klimley and D.G. Ainley, eds., *Great white sharks: The biology of *Carcharodon carcharias**. Academic Press, San Diego, CA.

Anderson, S.D., R.P. Henderson, P. Pyle, and D.G. Ainley. 1996. White shark reactions to unbaited decoys. Pp. 223-228 in A.P. Klimley and D.G. Ainley, eds., *Great white sharks: The biology of *Carcharodon carcharias**. Academic Press, San Diego, CA.

Klimley, A.P., P. Pyle, and S.D. Anderson. 1996. Tail slap and breach: agonistic displays among white sharks? Pp. 241-255 in A.P. Klimley and D.G. Ainley, eds., *Great white sharks: The biology of *Carcharodon carcharias**. Academic Press, San Diego, CA.

Klimley, A.P., P. Pyle, and S.D. Anderson. 1996. The behavior of white sharks and their pinniped prey during predatory attacks. Pp. 175-191 in A.P. Klimley and D.G. Ainley, eds., *Great white sharks: The biology of *Carcharodon carcharias**. Academic Press, San Diego, CA.

Long, D.J., K. Hanni, P. Pyle, J. Roletto, R.E. Jones, and R. Bandar. 1996. White shark predation on four pinniped species in central California waters: geographical and temporal patterns inferred from wounded

carcasses. Pp. 263-274 in A.P. Klimley and D.G. Ainley, eds., *Great white sharks: The biology of *Carcharodon carcharias**. Academic Press, San Diego, CA.

Ralph, C. J., G. R. Geupel, P. Pyle, T. E. Martin, D. F. DeSante, and B. Mila. 1996. *Manual de Métodos de Campo Para el Monitoreo de Aves Terrestres*. USDA Forest Service, General Technical Report PSWGTR-159. Pacific Southwest Research Station, Albany, CA.

Sydeman, W.J., P. Pyle, S.D. Emslie, and E.B. McLaren. 1996. Causes and consequences of long-term partnerships in Cassin's Auklets. Pp. 211-222 in J.M. Black (ed.), *Partnerships in Birds*. Oxford University Press, U.K.

Veit, R.R., P. Pyle, and J.A. McGowan. 1996. Ocean warming and long-term change of pelagic bird abundance within the California Current System. *Marine Ecology Progress Series* 139:11-18.

Hanni, K.D., D.J. Long, R.E. Jones, P. Pyle, and L.E. Morgan. 1997. Sightings and strandings of Guadalupe fur seals in central and northern California. *Journal of Mammalogy* 78:684-690.

Howell, S.N.G., and P. Pyle. 1997. Twentieth report of the California Bird Records Committee: 1994 records. *Western Birds* 28:117-141.

Sydeman, W.J., K.A. Hobson, P. Pyle, and E.B. McLaren. 1997. Trophic relationships among seabirds in Central California: Combined stable isotope and conventional dietary approach. *Condor* 99:327-336.

Veit, R.R., J.A. McGowan, D.G. Ainley, T.R. Wahl, and P. Pyle. 1997. Apex marine predator declines ninety percent in association with changing oceanic climate. *Global Change Biology* 3:23-28.

Yanega, G.M., P. Pyle, and G.R. Geupel. 1997. The timing and reliability of bill corrugations for ageing hummingbirds. *Western Birds* 28:13-18.

Nur, N., W. J. Sydeman, M. Hester, and P. Pyle. 1998. Survival in Cassin's Auklet on Southeast Farallon Island: Temporal patterns, population variability, and the cost of double-brooding. *Pacific Seabirds* 25:38-39

Spear, L.B., P. Pyle, and N. Nur. 1998. Natal dispersal in the Western Gull: Proximal factors and fitness consequences. *Journal of Animal Ecology* 67:165-179.

DeSante, D.F., D.R. O'Grady, and P. Pyle. 1999. Measures of productivity and survival derived from standardized mist-netting are consistent with observed population changes. *Bird Study* 46:S178-188.

Gochfeld, M., D.J. Gochfeld, D. Minton, B.M. Murray Jr., P. Pyle, N. Seto, and J. Burger. 1999. Metals in feathers of Bonin Petrel, Christmas Shearwater, Wedge-tailed Shearwater, and Red-tailed Tropicbird in the Hawaiian Islands, Northern Pacific Ocean. *Environmental Monitoring and Assessment* 59:343-358.

Heindel, M., and P. Pyle. 1999. Separating Western and Yellow-bellied Flycatchers in the field. *Birders Journal* 8:78-87.

Spear, L.B., D.G. Ainley, and P. Pyle. 1999. Seabirds in southeastern Hawaiian waters. *Western Birds* 30:1-32.

Capitolo, P., W. Richardson, R. Burnett, and P. Pyle. 2000. First record of an Olive-backed Pipit in California. *Western Birds* 31:112-116.

Hanni, K.D., and P. Pyle. 2000. Entanglement of pinnipeds in synthetic materials at Southeast Farallon Island, California, 1976-1998. *Marine Pollution Bulletin* 40:1076-1081.

Abbott, S, S.N.G. Howell, and P. Pyle. 2001. First North American Record of Greater Sandplover. *North American Birds* 55:252-257.

Earnheart-Gold, S., and P. Pyle. 2001. Occurrence patterns of Peregrine Falcons on Southeast Farallon Island, California, by subspecies, age, and sex. *Western Birds* 32:119-126.

Boustany, A.M., S.F. Davis, P. Pyle, S.D. Anderson, B.J. Le Boeuf, and B.A. Block. 2002. Expanded ecological niche for white sharks. *Nature* 415:35-36.

Howell, S.N.G., and P. Pyle. 2002. Ageing and molt in non-breeding Black-bellied Plovers. *Western Birds* 33:268-270

McKee, T. and P. Pyle. 2002. Plumage variation and hybridization in Black-footed and Laysan albatrosses. *North American Birds* 56:131-138.

Mills, K.L., P. Pyle, W.J. Sydeman, J. Buffa, and M.J. Rauzon. 2002. Direct and indirect effects of house mice on declining populations of a small seabird, the Ashy Storm-Petrel (*Oceanodroma homochroa*) on Southeast Farallon Island, California. P. 412 in C.R. Veitch and N.M. Clout (eds), *Turning the Tide: the Eradication of Invasive Species: Proceedings of the International Conference on Eradication of Island Invasives*, Gland, Switzerland

Nott, M.P., DeSante, D.F., Siegel, R.B., and P. Pyle. 2002. Influences of the El Niño/Southern Oscillation and the North Atlantic Oscillation on avian productivity in forests of the Pacific Northwest of North America. *Global Ecology and Biogeography* 11:333-342.

Anderson, S.D., and P. Pyle. 2003. A temporal, sex-specific occurrence pattern among white sharks at the South Farallon Islands, California. *California Fish and Game* 89:96-101.

Howell, S. N. G., Corben, C, Pyle, P, and Rogers, D. I. 2003. The first basic problem: a review of molt and plumage homologies. *Condor* 105: 635-653.

Richardson, T.W., P. Pyle, R. Burnett, and P. Capitolo. 2003. The Occurrence and seasonal distribution of migratory birds on Southeast Farallon Island, 1968-1999. *Western Birds* 34:58-96.

Howell, S. N. G., Corben, C, Pyle, P, and Rogers, D. I. 2004. The first basic problem revisited: replies to commentaries on Howell *et al.* (2003). *Condor* 106:206-210.

Howell, S.N.G. and P. Pyle 2005. Molt, age determination, and identification of puffins. *Birding* 37:412-418.

LeValley, R., and P. Pyle. 2007. Notes on plumage maturation in the Red-tailed Tropicbird. *Western Birds* 38:306-310.

Weng, K.C., A. M. Boustany, P. Pyle, S. D. Anderson, A. Brown, and B. A. Block. 2007. Migration and habitat of White Sharks (*Carcharodon carcharias*) in the eastern Pacific Ocean. *Marine Biology* 152:857-894.

Pagen, R., P. Pyle, and L.T. Ballance. 2008. A *Fregetta* Storm-Petrel off Western Mexico. *Western Birds* 39:225-227.

Boustany, A.M., K.C. Weng, S.D. Anderson, P. Pyle, and B.A. Block. 2009. White Shark movements in the North Pacific pelagic ecosystem. Pp. 82-86 in M.D. Camhi, E.K. Pikitch, and E.A. Babcock, eds. *Sharks of the Open Ocean: Biology, Fisheries and Conservation*. Blackwell Publishing, Oxford, U.K.

Pyle, R.L., and P. Pyle. 2009. *The Birds of the Hawaiian Islands: Occurrence, history, distribution, and status*. B.P. Bishop Museum, Honolulu, HI, U.S.A. Version 1 (31 December 2009)
<http://hbs.bishopmuseum.org/birds/rlp-monograph>

Wolfe, J. D., P. Pyle, and C. J. Ralph. 2009. Breeding seasons, molt patterns, and gender and age criteria for selected northeastern Costa Rican resident landbirds. *Wilson Journal of Ornithology* 121:556-567.

Chandler, R.M., P. Pyle, M.E. Flannery, D.J. Long, and S.N.G. Howell. 2010. Flight feather molt of Turkey Vultures. *Wilson Journal of Ornithology* 122:354-360.

Wolfe, J.D., T.B. Ryder, and P. Pyle. 2010. Using molt cycles to categorize age in tropical birds: An integrative system. *Journal of Field Ornithology* 81:186-194.

Chambers, M., G. David, C. Ray, B. Leitner, and P. Pyle. 2011. Habitats and conservation of molt-migrant birds in southeastern Arizona. *The Southwestern Naturalist* 56:204-211.

Johnson, E.I., J.D. Wolfe, T.B. Ryder, and P. Pyle. 2011. Modifications to a molt-based ageing system proposed by Wolfe et al. (2010). *Journal of Field Ornithology* 82:421-423.

Radley, P., A. L. Crary, J. Bradley, C. Carter, and P. Pyle. 2011. Molt patterns, biometrics, and age and gender classification of landbirds on Saipan, Northern Mariana Islands. *Wilson Journal of Ornithology* 123:588-594.

Wolfe, J.D., and P. Pyle. 2011. First evidence for eccentric prealternate molt in the Indigo Bunting (*Passerina cyanea*): Possible implications for adaptive molt strategies. *Western Birds* 42:257-262.

Foster, K.R., C.M. Godwin, and P. Pyle. 2012. Monitoring avian productivity and survivorship in the oil sands region of Northeastern Alberta. Pp 563-571 in: A.B. Fourie and M. Tibbett (Eds), *Mine Closure 2012, Proceedings of the Seventh International Conference on Mine Closure*, Brisbane Australia. Australian Centre for Geomechanics, Nedlands Australia.

Junda, J., A. L. Crary, and P. Pyle. 2012. Two modes of primary replacement during prebasic molt of Rufous Fantails *Rhipidura rufifrons*. *Wilson Journal of Ornithology* 124:680-685.

Ruíz-Sánchez, A., R. Rueda-Hernández, S. Gallar, and P. Pyle. 2012. Age determination of the Spot-breasted Wren and the White-breasted Wood-Wren using molt limits. *North American Bird Bander* 37:93-100.

Wolfe, J. D. and P. Pyle. 2012. Progress in our understanding of molt patterns in Central American and Caribbean landbirds. *Ornitologia Neotropical* 23:169-176.

Wolfe, J. D., Ryder, T. B., Pyle, P. and E. I. Johnson. 2012. Using molt and plumage cycles to age tropical Birds: Updates and recent advances. *Ornitologia Neotropical* 23:153-158.

Johnson, O., P. Pyle, and J. Tietz. 2013. The subspecies of the Song Sparrow on Southeast Farallon Island and in central California. *Western Birds* 44:162-170.

Nelson, K., and P. Pyle. 2013. Distribution and movement patterns of individual Crested Caracaras in California. *Western Birds* 44:45-55.

Gallar, S., A. Ruiz-Sánchez, R. Rueda-Hernández, and P. Pyle. 2014. Molt topography and its application to the study of partial wing-molt in two neotropical wrens. *Ibis* 156:311-320.

Howell, S.N.G., and P. Pyle. 2014. Use of 'definitive' and other terms in molt nomenclature: A response to Wolfe et al. (2014). *Auk* 132:365-369.

McKee, T., P. Pyle, and N. Moores. 2014. Vagrancy and identification of first-cycle Slaty-backed Gulls. *Birding* 46:38-51 plus 51A-J (on line).

Siegel, R. B., P. Pyle, J. H. Thorne, A. J. Holguin, C. A. Howell, S. Stock, and M. Tingley. 2014. Vulnerability of birds to climate change in California's Sierra Nevada. *Avian Conservation and Ecology* 9(1):7 [online]: <http://www.ace-eco.org/vol9/iss1/art7/>

Rutt, C., P. Pyle, P. W. Collins, M. L. Brady, J. R. Tietz, and J. L. Dunn. 2014. The nominate subspecies of the Purple Finch in California and western North America. *Western Birds* 45:284-295.