

# MARINE ORNITHOLOGY

An International Journal of Seabird Science and Conservation  
published by the Pacific Seabird Group  
on behalf of the African, Australasian, Dutch, Japanese, Pacific and UK Seabird Groups  
ISSN 1018-3337

## MANAGING EDITOR

Tony Gaston, Canadian Wildlife Service, Canada

## EDITORS

Rob Barrett, University of Tromsø (Europe & Mediterranean)  
John Cooper, University of Cape Town (Southern Hemisphere & Africa)  
Scott Hatch, US Fish and Wildlife Service, USA (North America, Asia)

## EDITORIAL BOARD

**David Ainley**, H.T. Harvey & Associates, PO Box 1180, Alviso, California 95002, USA  
**Lisa Ballance** (Review Editor), Southwest Fisheries Science Center, 8604 La Jolla Shores Drive, La Jolla, California 92037, USA  
**Alan Burger**, Biology Department, University of Victoria, Victoria, British Columbia V8W 3N5, Canada  
**Kees Camphuysen**, Ankerstraat 20, 1794 BJ Oosterend, Texel, Netherlands  
**John Croxall**, British Antarctic Survey, High Cross, Madingley Road, Cambridge CB3 0ET, UK  
**Lloyd Davis**, Department of Zoology, University of Otago, PO Box 56, Dunedin, New Zealand  
**Craig Harrison**, 4953 Sonoma Mountain Road, Santa Rosa, California 95504, USA  
**Norbert Klages**, Institute for Environmental and Coastal Management, University of Port Elizabeth, PO Box 1600, Port Elizabeth 6000, South Africa  
**Bill Montevecchi**, Biopsychology Department, Memorial University of Newfoundland, St. John's, Newfoundland A1X 3A9, Canada  
**David Nettleship**, 25 Tidewater Lane, Allen Heights, Tantallon, Nova Scotia B0J 3J0, Canada  
**Alejandro Scolaro**, Centro Nacional Patagónico, Casillo de Correo 69, 9120 Puerto Madryn-Chubut, Argentina  
**Bill Sydeman**, Point Reyes Bird Observatory, 4990 Shoreline Highway, Stinson Beach, California 94970, USA  
**Sarah Wanless**, Institute for Terrestrial Ecology, Banchory, Kincardineshire, AB31 4BY, UK  
**Yutaka Watanuki**, Laboratory of Applied Zoology, Hokkaido University, Kita-9 Nishi-9, Kita-ku, Sapporo 060, Japan  
**Henri Weimerskirch**, Centre National de la Recherche Scientifique, Centre d'Etudes Biologique de Chize, Beauvoir 79360, France  
**Rory Wilson**, School of Biology, University of Wales, Swansea SA2 8PP, Wales UK  
**Ron Wooller**, School of Biological and Environmental Sciences, Murdoch University, Murdoch, Western Australia 6150, Australia

*Marine Ornithology is abstracted/indexed in the Antarctic Bibliography, Aquatic Sciences and Fisheries Abstracts, Biological Abstracts, BIOSIS Previews, Current Advances in Ecological and Environmental Sciences, Current Antarctic Literature, Ecological Abstracts, Ecology Abstracts, Geo Abstracts, Geobase, Oceanographic Literature Review, Ornithological Abstracts, Polar and Glaciological Abstracts, Recent Ornithological Literature, Wildlife Review and Zoological Record – Aves.*

DTP: Reber Creative, Victoria, British Columbia

Copy Editor: Ann Fothergill-Brown

Front cover picture: Incubating Xantus's Murrelet (*Synthliboramphus hypoleucus scrippsi*), Middle Rock, Coronado Islands, Baja California, Mexico, 14:13 h (PDT), 3 May 2005 (Photo D.L. Whitworth)



African Seabird Group



Pacific Seabird Group



Australasian Seabird Group



Dutch Seabird Group