

WILDFOWL 49

Edited by Jeff Kirby

Editorial Assistant Denise Rogers

Published by The Wildfowl & Wetlands Trust, Slimbridge, 1999

Reg Charity No 1030884

Wildfowl is the scientific journal of The Wildfowl & Wetlands Trust and is available only by subscription.

Cover photograph: Male Spectacled Eider, Siberia. ROGER TIDMAN

Contents

Editorial

Essay Paper

- Tectofugal and thalamofugal: a proposal for longitudinal studies in goose behaviour **1**
Hugh Boyd

Standard Papers

- Increase and changes in distribution of breeding Whooper Swans
in Northern Sweden from 1972-75 to 1997 **6**
Leif Nilsson, Ove Andersson, Rolf Gustafsson and Mikael Svensson
- Parent and gosling strategies in wintering Barnacle Geese **18**
Gavin M Siriwardena and Jeffrey M Black
- Pink-footed Geese on the Moorfoot Hills in Spring, 1952-1981 **27**
Hugh Boyd
- Factors influencing reproductive success in captive populations of Hawaiian Geese **36**
Elizabeth H Rave, Robert C Fleischer, Fern Duvall and Jeffrey M Black
- Patterns of body mass change during moult in three different goose populations **45**
*Anthony D Fox, Johnny Kahlert, Alyn J Walsh, David A Stroud, Carl Mitchell, Jens N Kristiansen
and Ebbe Bøgebjerg Hansen*
- Changes in abdominal profiles of Greenland White-fronted Geese during spring
staging in Iceland **57**
Hugh Boyd, Anthony D Fox, Jens N Kristiansen, David A Stroud, Alyn J Walsh and Stephanie M Warren
- Boofheads with deep voices: sexual dimorphism in the Magpie Goose **72**
Peter J Whitehead
- Growth and morphology of captive female Common Eider ducklings **92**
Penny A J Hawkins, P J Butler and A J Woakes
- Survival of Common Eider adult females and ducklings during brood rearing **103**
Paul L Flint, Christine L Moran and Jason L Schamber
- Nesting ecology of Spectacled Eiders on the Indigirka River Delta, Russia **110**
John M Pearce, Daniel Esler and Andrei G Degtyarev
- Foods of Spectacled Eiders in the Bering Sea, Alaska **124**
Margaret R Petersen, John F Piatt and Kimberly A Trust
- Brood amalgamation in Surf Scoters and other Mergini **129**
Jean-Pierre L Savard, Austin Reed and Louis Lesage

Long-term pair bonds and male parental care in Speckled Teal in Eastern Argentina <i>Jeffrey L Port</i>	139
Habitat use by sympatric Mallard and American Black Duck broods in a forested area of Quebec, Canada <i>Suzanne Carrière and Rodger D Titman</i>	150
Winter segregation and timing of pair formation in Red-breasted Merganser <i>Johnny Kahlert, Malcolm Coupe and Fred Cooke</i>	161
Diurnal activity budget of wintering Gooseander on Chew Valley Lake, North Somerset: Influence of time of day and sex <i>Stuart E Newson and Baz Hughes</i>	173
Feeding behaviour of Wigeon on variable grassland swards <i>Peter W Mayhew and David C Houston</i>	181
Diurnal time budgets of American Green-winged Teal breeding in British Columbia <i>Gil A Paquette and C Davison Ankney</i>	186
Behaviour and natural history of the West Indian Whistling Duck on Long Island, Bahamas <i>Nancy L Staus</i>	194
Intensity and chronology of pre-breeding and post-breeding moult in White-faced Whistling Ducks in relation to reproduction. <i>Scott A Petrie</i>	207
Nest site selection and the time of breeding by Slavonian Grebes in Scotland <i>Ron W Summers and Roddy A Mavor</i>	219
Winter habitat use by Black-necked Cranes in Tibet <i>Mary A Bishop, Canjue Zhouma, Song Yanling and Gu Binyuan</i>	228
Short Communications	
For whom the geese toll: aberrant or adaptive behaviour in Ross's and Lesser Snow Geese <i>Stuart Slattery, Gustaf Samelius, Ray Alisaukas, Jeff Danielson and Ferguson Moore</i>	242
Ageing of Harlequin Duck drakes using plumage characteristics <i>Cyndi Smith, Fred Cooke and R Ian Goudie</i>	245
Notice to contributors	

Editorial

It is my pleasure to present *Wildfowl* 49, with its important papers relevant to the conservation of waterbirds and the wetland habitats on which they depend. Thanks, as usual, go to all who helped with the production of this volume: to those who submitted material for consideration, to the many dedicated referees, and to Denise Rogers, Susan Guy, Clare Ward, David Chamberlain and Nikki Straughan for expert assistance with administration and final production. As always, comments on this volume, ideas for the future and material for *Wildfowl* 50 would be most welcome and gratefully received. Happy reading!

Dr Jeff Kirby