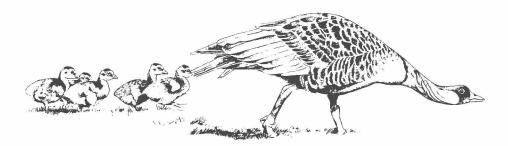
WILDFOWL 45

Edited by Janet Kear

Published by The Wildfowl & Wetlands Trust, Slimbridge, 1994 Registered Charity No. 1030884



Cover Photograph of Nene feathers by Helen Gummer

Illustrations by Mark Hulme, Joe Blossom, Paul Johnsgard & Helen Shackleton

Published by The Wildfowl & Wetlands Trust, Slimbridge, Glos. GL2 7BT, U.K.

Wildfowl is available by subscription from the above address.

ISBN 0 900806 20 6 ISSN 0954-6324

Text set in 9/10 and 10/12 ITC Cheltenham.

Printed and bound by Orchard and Ind Ltd., Northgate Street, Gloucester. GL1 1SP.

Contents

Editorial	v
A study of the breeding Mute Swans <i>Cygnus olor</i> at Abbotsbury <i>C.M. Perrins, R.H. McCleery & M.A. Ogilvie</i>	1
A change of moulting site for Mute Swans <i>Cygnus olor</i> in Gloucestershire <i>K. Ryley & J. Bowler</i>	15
Winter body mass and measurements of Trumpeter Swans <i>Cygnus</i> buccinator	
R.C. Drewien & S.H. Bouffard Factors affecting the breeding performance of a marked Greylag Goose Anser anser population in south Sweden L. Nilsson & H. Persson	22 33
Summer habitat use and behaviour of Greater Snow Geese Anser caerulescens R.J. Hughes, G. Gauthier & A. Reed	49
Foraging behaviour and energetics of the Hawaiian Goose Branta sandvicensis J.M. Black, J. Prop, J.M. Hunter, F. Woog, A.P. Marshall & J.M. Bowler	65
The breeding biology of Dark-bellied Brent Geese Branta b. bernicla and King Eiders Somateria spectabilis on the northeastern Taimyr Peninsula, especially in relation to Snowy Owl Nyctea scandiaca nests R.W. Summers, L.G. Underhill, E.E. Syroechkovski jnr., H.G. Lappo, R.P. Prŷs-Jones & V. Karpov	110
Grazing and vigilance behaviour of breeding Eurasian Wigeon <i>Anas</i> <i>penelope</i> in relation to distance from water <i>O.W. Jacobsen & M. Ugelvik</i>	119
The dry season diurnal behaviour of the Madagascar Teal Anas bernieri at Lake Bemamba A.J. Green, H.G. Young, R.G.M. Rabarisoa, P. Ravonjiarisoa & A. Andrianarimisa	124
Diurnal activity budgets and habitat functions of Northern Pintail Anas acuta wintering in Sinaloa, Mexico R. Migoya, G.A. Baldassarre & M.P. Losito	134
Body mass dynamics of wintering Tufted Duck <i>Aythya fuligula</i> and Pochard <i>A. ferina</i> in Switzerland <i>M. Kestenholz</i>	147
Consumption of Zebra Mussels <i>Dreissena polymorpha</i> by diving ducks in Lakes Erie and St. Clair <i>D.J. Hamilton & C.D. Ankney</i>	159
Stomach contents of diving and dabbling ducks during fall migration in the St Lawrence River, Quebec, Canada <i>M. Guillemette, F. Bolduc & J.L. DesGranges</i>	167

The behaviour of moulting King Eiders <i>Somateria spectabilis</i> O. Frimer	176
Effects of starvation on muscle and organ mass of King Eiders Somateria spectabilis and the ecological and management implications.	
M.A. Fournier & J.E. Hines	188
Seasonal switching between habitats and changes in abundance of Goosanders <i>Mergus merganser</i> within a Scottish river system <i>M. Marquiss & K. Duncan</i>	198
Diurnal activity patterns of Goosanders <i>Mergus merganser</i> on a Scottish river system <i>M. Marquiss & K. Duncan</i>	209
Effects of human disturbance on broods of Red-breasted Merganser	
Mergus serrator J. Kahlert	222
Rafting as an antipredator response of wintering White-headed	
Duck Oxyura leucocephela A.D. Fox, A.J. Green, B. Hughes & G. Hilton	232
The wintering waterfowl of Turkmenistan E.A. Rustamov	242
The adaptive significance of hatching synchrony in waterfowl eggs P.L. Flint, M.S. Lindberg, M.C. MacCluskie & J.S. Sedinger	248
Pesticide poisoning of wildfowl in England and Wales <i>M.R. Fletcher</i>	255
Duck decoys in The Netherlands D. Karelse	260
Progress Reports	
Bewick's and Whooper Swans <i>Cygnus columbianus bewickii</i> and <i>C. cygnus</i> : the 1993-94 season	
J.M. Bowler, L. Butler, C. Liggett & E.C. Rees	269
Progress in Aviculture by The Wildfowl & Wetlands Trust during 1993	050
T. Richardson & M. Brown	276
Progress in bird ringing by The Wildfowl & Wetlands Trust during 1993	050
C. Mitchell	279
Wildfowl Counts in the UK, 1992-93 P. Cranswick & M. Pollitt	282
Publications, 1993, by, or with the assistance of, Wildfowl & Wetlands Trust staff and facilities	294
Notice to contributors	298

Wildfowl Editorial

The past year has seen changes in the staffing of *Wildfowl* production. I must thank most warmly Rosie Ounsted, Tim Davies, Joyce Portlock and Diana Fowler for their friendly and enthusiastic support over many months. The help of Alison Browning, who took over from Joyce, ensured a smooth handover to Louisa Beveridge and Nikki Straughan (who saw the potential of the Hawaiian Goose feathers for the cover).

I am pleased with the contents of *Wildfowl* 45. The papers deal with a range of topics pertinent to the dynamic nature of wildfowl populations; of particular interest are the effects of novel foods, such as Zebra Mussels on diving ducks and mown grassland on Hawaiian Geese. Human intervention, through pesticide use, disturbance, decoys in Holland and the protection of colonially-breeding Mute Swans at Abbotsbury, for instance, is shown to have a great impact on bird numbers. Nevertheless, how sensible of Brent Geese and King Eiders to nest near Snowy Owls, and White-headed Ducks to pack together tightly on waters surrounded by predators! This year, we have introduced Keywords so that *Wildfowl* papers are even more likely to obtain worldwide attention.