

**The Wader Study Group (WSG) is an international association of amateurs and professionals from all parts of the world interested in Charadrii (waders or shorebirds). Membership of the WSG is currently over 650 worldwide. Members can be found in over 50 countries around the world, including all the European countries, and the Americas, Asia, Africa and Australasia. The interests of the group have diversified from its original focus on ringing and migration-related studies to embrace all aspects of wader biology.**

The aims of the Wader Study Group are:

**To maintain contact between both amateurs and professionals studying waders**

**To help organise co-operative studies; and**

**To provide a vehicle for the exchange of information on waders and their biology.**

The main means of achieving these aims are by:

**holding an annual conference;**

**publishing, three times per year, the *Wader Study Group Bulletin*, and more recently also publishing Special Issues of the *Bulletin* each covering a major topic of wader biology and conservation; and**

**acting as the Wetlands International expert Wader Research Group.**

The *Wader Study Group Bulletin* provides a forum for news, notices, ringing recoveries, recent publications, new study methods, articles and preliminary or interim publication of results from all parts of the world. Each *Bulletin* contains a mix of newsletter items, informal descriptions of research activities, meetings and expeditions, and formal presentation of research results or preliminary analyses. The size of *Bulletin* varies with each issue but usually consists of between 60 and 100 A4 pages.

The *Bulletin* appears in April, August and December. The deadlines for inclusion of notices are 1 January, 1 May and 1 September. Articles however, must be received well before these dates. Articles, notes, papers, notices, requests for information, books for review, reprints of papers and other items should be sent to the Editor-in-Chief:

**Julianne Evans  
Wader Study Group Bulletin  
c/o RSPB, The Lodge,  
Sandy, Beds, SG19 2DL, U.K.**

Matters relating to the circulation of the *Bulletin* should be sent to the Membership Secretary.

The Editors are always pleased to discuss possible contributions with potential authors, and to advise on presentation. Manuscripts can be typed or clearly written but should preferably be word-processed and submitted on a 3½" disk. In all cases they should be double-spaced, leaving wide margins and following the style of the most recent *Bulletin*. Pay particular attention to the style of headings and reference lists. Scientific names may be given there instead. Tables and figures should, wherever possible, be designed to fit a single column width of 88 mm. Guidelines to contributions are available on request.

Authors should provide a print-out of the article (including formatted tables) with text effects (e.g. italic, bold, underline, superscript, subscript) marked clearly on the output in red pen. It

would be helpful if two copies of each manuscript were submitted. If using a word-processing package, they should state which one. Line illustrations and figures should be produced neatly in black ink on good quality white or tracing paper, with linear dimensions about 50% larger than intended publication size. Their final size should relate either to one column width of 88 mm or a double column width of 181 mm. Please send original illustrations and retain a copy in case of loss or damage. Good quality black and white photographs may also be published, but please consult the Editor before submission. Photographs should be high contrast glossy prints and should be submitted at twice their intended published size.

Publication of interim results in the *Wader Study Group Bulletin* is not intended to pre-empt publication of final results as journal papers. Readers are requested to bear in mind that results and analyses published in the *Bulletin* may be of a preliminary nature, and to take account of this if making reference to these articles in publications of their own. If editors of other journals wish to reprint items from the *Bulletin* with suitable acknowledgments, this can usually be arranged; the persons concerned should contact the Editor-in-Chief.

To celebrate its 25th anniversary, the group relaunched its *Bulletin* Special Issues as a new journal series: *International Wader Studies*. Forthcoming volumes include; *Wader Study Methods* (2 vols.); *Shorebird Research in the Western Hemisphere* (now available); *Shorebirds in the Great Basin, USA*; and *Wader Research and Conservation in Europe and North Asia*. Every third year, so as to maximise the exchange of information between wader-workers worldwide, the WSG in holding its annual conference jointly with Wetlands International Waterfowl Ecology Research Group.

Membership of the Wader Study Group (WSG) is open to all those with an interest in waders (shorebirds).

Membership costs = £17 (or US\$30) a year. This subscription cost can be paid in most international currencies, contact the Membership Secretary for details.

Members receive the *Wader Study Group Bulletin* three times a year; and without additional cost the special issues of the *Bulletin*, now being produced as a new series - *International Wader Studies*. The *Bulletin* provides a forum for news, notices, ringing recoveries, recent publications, new study methods, articles and preliminary or interim publication of results from all parts of the world. Each *Bulletin* contains a mix of newsletter items, informal descriptions of research activities, meetings and expeditions to formal presentation of research results.

To join the International Wader Study Group contact: the Membership Secretary, Wader Study Group, c/o National Centre for Ornithology, The Nunnery, Thetford, Norfolk IP24 2PU, UK.

*The Wader Study Group acts as the Wader Research Group of Wetlands International*



W A D E R S T U D Y G R O U P  
**B U L L E T I N**

VOLUME 85

C O N T E N T S

APRIL 1998

WSG 1998 Annual General Meeting and Conference, Hungary .....	1 - 2
Abstracts of talks - WSG Meeting, 1997, Denmark .....	2 - 6
Obituary - Colin Tubbs .....	7 - 8
WSG - Colour-marking Register .....	8 - 9
Notes & News .....	10 - 13
Recent Publications .....	14 - 17
Review .....	18 - 19
Abstracts & summary of Workshop - 'Wetlands Connectivity and Waterbird Conservation in the Western Great Basin of the United States' Symposium, March, 1998 .....	19 - 28
Breeding schedule and primary moult in Dunlins of the Far East. <i>Pavel S. Tomkovich</i> .....	29 - 34
In search of the Slender-billed Curlew <i>Numenius tenuirostris</i> . <i>Gerard C. Boere and Aleksandr K. Yurlov</i> .....	35 - 38
The loss of a brood and production of a replacement clutch in Golden Plover <i>Pluvialis apricaria</i> . <i>James W. Pearce-Higgins</i> .....	39 - 40
Red Knots <i>Calidris canutus rufa</i> and other shorebirds on the north-central coast of Brazil in April and May 1997 <i>J.R. Wilson, A.A.F. Rodrigues &amp; D.M. Graham</i> .....	41 - 45
Migration pattern of waders at the Salobrar de Campos, Mallorca, in autumn 1996 and spring 1997. <i>Matthias Kestenholz &amp; Dieter Peter</i> .....	45 - 50
The breeding habitat of Broad-billed Sandpiper <i>Limicola falcinellus</i> in northern Norway, with notes of breeding ecology and biometrics. <i>R. Rae, I. Francis, K-B Strann and S. Nilsen</i> .....	51 - 54
Mixed clutches in shorebirds nests: why are they so common? <i>Juan A. Amat</i> .....	55 - 59
Estimating the breeding wader populations on farmland in northern England in 1993. <i>Mark O'Brien and Stuart Murray</i> .....	60 - 65
Mid-winter counts of waders in the Senegal delta, West Africa, 1993 - 1997 <i>Patrick Triplett and Pierre Yésou</i> .....	66 - 73
The sediment - plane: an alternative tool for estimating prey accessibility to tactilely feeding waders. <i>M. Desholm, A. M. Harder and K. M. Mouritsen</i> .....	73 - 75
Wader migration in Babushkina Bay, Russian Far East, June-August 1995 <i>A. Degen, A. Hergenbahn and H. Kruckenberg</i> .....	75 - 79

**Editor:** Julianne Evans, c/o RSPB, The Lodge, Sandy,  
Beds SG19 2DL, United Kingdom.

*If undelivered, please return to the Membership Secretary,  
Wader Study Group, The National Centre for Ornithology, The  
Nunnery, Thetford, Norfolk IP24 2PU, United Kingdom*