

CURRENT COLOUR-MARKING SCHEMES

The WSG register of colour marking schemes has continued to make steady progress in the past few months and has managed to arrange for the avoidance or the ending of overlap between different projects on some species. Benefits in the providing of a central address for sightings have also been evident.

WSG now provides the colour-ringing register with which British ringers, as a condition of their BTO permits, have to register their schemes before these are started. Additionally WSG, at the request of EURING (the European Committee for Bird Ringing), provides an international service with which all operators of wader colour-marking schemes are strongly advised to register.

Thus, anyone proposing to start a colour-marking scheme for waders in the Old World (or waders which might migrate to the Old World) should consult MWP and agree a system compatible with other projects before starting. Anyone operating a scheme which has not been registered should contact MWP immediately. For temporary markings, such as dyeing and flagging, registration is assumed to apply for one season only and renotification should be given for any additional seasons. Please make sure WSG has full details of your marking scheme: failure to do so will jeopardise your own results as well as those of others.

Before starting a scheme workers should carefully consider the question they are asking. If permanent marking is not required, permanent colour rings should not be used. If individual recognition (rather than various groupings) is not required, fewer different marks will be needed. Restricting the combinations registered for your scheme will allow more scope for others and reduce potential overlap. Relatively few dye-marking schemes are possible at any one time and should be used only if results of the maximum value can be obtained from the method, especially if the project is in potential conflict with more urgent schemes. Please consult us at an early stage.

Reports of sightings, with as much detail as possible, should be sent to the marker if known, otherwise to M.W.Pienkowski, Wader Study Group, Dept. of Zoology, University of Durham, South Road, Durham DH1 3LE, England, who will make strenuous efforts to forward them to the appropriate ringer! Operators of schemes are requested to make sure that sightings are acknowledged and the observer informed of the history of the bird concerned. Even if your scheme is not particularly interested in sightings away from your own study area, please treat such observers courteously: other workers depend on their good will. If you receive a sighting from WSG either return it as soon as possible if it is not from your scheme or confirm that it is one of yours if it is: have sympathy for the futile efforts of MWP still trying to locate another and non-existent appropriate scheme!

Below we list all schemes of which we know. (For American schemes, see WSG Bulletin 29.) If your scheme is not here, please advise us immediately. For some schemes, we do not have full details and the ringers may receive a request for these soon: please reply promptly as delays often cause difficulties for other workers as well as for the register.

COLOUR-RINGS

Oystercatcher *Haematopus ostralegus*

Exe Estuary, England (Dr.J.D.Goss-Custard, ITE Furzebrook Research Station, Wareham, Dorset BH20 5AS, England)
Friesian Coast, Netherlands (Dr. Leo Zwarts, Achterwei 23, EE (FRL), Netherlands)

These studies use a combination of one or more 'conventional' colour-rings with a tall ring consisting of one colour with engraved bands of a second colour. These bands may each be wide or narrow and occur in one or more of three positions on the ring: high, middle and low.

Drachten, Netherlands (Dr.J.B.Hulscher, Zoologisch Laboratorium, Kerklaan 30, Haren (Gr.), Netherlands)
Lancashire, England (K.B.Briggs, 26 Hazelmount Drive, Warton, Carnforth, Lancs LA5 9HU, England) 4 'conventional' colour rings plus metal ring plus wing-tag.
Aberdeenshire, Scotland (A.Anderson, Culterty Field Station, Newburgh, Ellon, Aberdeenshire AB4 0AA, Scotland) various schemes using 'conventional' colour rings, metal rings and, in some cases, wing-tags.
Rogaland, S.Norway (Geir Olav Toft, Dept. of Animal Ecology, Zoologisk Museum, N-5014, Bergen-Univ., Norway) colour rings, in some cases plus dye marks.
Viksfjord, S.E.Norway (details via Geir Olav Toft) colour rings
Tauta, Trøndelag, Norway (details not yet received) colour rings
Ebro Delta, Tarragona, Spain (A.Martinez, Sardenya 476 ent. 3a, Barcelona-25, Spain) colour rings.
Foteviken, Falsterbo, S.Sweden (Bo W Svensson, Ecology Building, University of Lund, 22362 Lund, Sweden) colour rings.
Gironde, France (M.Ribereau-Gayon, c/o CRBPO, 55 rue de Buffon, 75005, Paris, France) colour rings.
Banc d'Arquin, Mauritania (J.Trotignon, 85 Ave de Paris, 78000 Versailles, France) colour rings.

If colour-ringed Oystercatchers are caught, please measure the weight, the bill length from the tip of the longest mandible to the feathers and from the tip to the proximal (hind) rim of the nostril, and the bill thickness at the tip (over the first 3mm length). Note if the bill is blunt, intermediate or pointed, and, if possible, take a photograph of the left side of the head and bill. If observing a bird in the field, please try to make notes on the type and size of food.

It will be apparent that identifying any marked Oystercatcher may be quite difficult! Some hints on what to look out for are given in an article by Bruno Ens in WSG Bulletin 31.

Black-winged Stilt *Himantopus himantopus*

Portugal (Rui Rufino, Centro de Estudos de Migracoes e Proteccao de Aves, Rua da Lapa 73, 1200 Lisboa, Portugal) colour rings.

Avocet *Recurvirostra avosetta*

East Germany (Vogelwarte Hiddensee, DDR 2346 Kloster/Hiddensee, German Democratic Republic) colour rings.
Vendee, W.France (J.M.Watier, Section Gibier d'Eau, Chauteloup, 85340 Olonne-sur-Mer, France) colour rings.
Somme, France (F.Sueur, 16 rue de Cubertin, 80800 Corbie, France) colour rings.
R.Eider, Schleswig-Holstein, Germany (Johann-Detlef Reese, Utholm 4A, 2256 Garding, W.Germany) colour rings.

Crab Plover *Dromas ardeola*

Masirah Island, Oman (Sgt. Brian Etheridge, N.M.S.U., RAF Kinloss, Fores, Moray, Scotland) colour rings.

Stone Curlew *Burhinus oedicnemus*

Wiltshire & Suffolk, England (R.A.Morgan, BTO, Beech Grove, Tring, Herts, GB) colour rings.

Little Ringed Plover *Charadrius dubius*

Lower Saxony, Germany (B.Riedel, 3411 Langenholtensen, Wilhelmstrasse 114, W.Germany) colour rings.

Ringed Plover *Charadrius dubius*

Northumberland, England (M.W.Pienkowski, Dept. of Zoology, University of Durham, South Road, Durham DH1 3LE, England) colour rings.

Norfolk, England (G.E.Jackson, 245 Church Road, Astley, Tyldesley, Manchester M29 7ET, England) colour rings.

East Germany (Vogelwarte Hiddensee - see Avocet) permanent colour leg flags

Greenland (Expeditions in 1972, 73, 74) tall colour rings

Banc d'Arguin, Mauritania (J.Trotignon, 85 Ave de Paris, 78000 Versailles, France) colour rings.

Outer Hebrides, Scotland (Dr. N.E.Buxton, Nature Conservancy Council, 42 Aird Tong, Isle of Lewis, Western Isles, GB) colour rings.

Kentish Plover *Charadrius alexandrinus*

Portugal (Rui Rufino - see Black-winged Stilt) colour rings

Camargue, France (Miss C.M.Lessells, EGI, Dept. of Zoology, South Parks Road, Oxford OX1 3PS, England)

Banc d'Arguin, Mauritania (J.Trotignon - see Ringed Plover) colour rings

Dotterel *Charadrius morinellus*

N.E. Scotland (David W.Oliver, 'Dunearn', The Feus, Freuchie, Fife, GB) colour rings

Hardangervidda, Norway (Ingvar Byrkjedal, Zoologisk Museum, N-5014 Bergen/Univ., Norway) colour rings

Golden Plover *Pluvialis apricaria*

South Cleveland R.G., England (W.Norman, 27 Roxby Avenue, Kemplah Park, Guisborough, Cleveland, England) colour rings

Kincardineshire, Scotland (Raymond Parr, Institute of Terrestrial Ecology, Blackhall, Banchory, Kincardineshire, Scotland) colour rings

Cumbria, Scotland (D.E.B.Lloyd, 1 Potton End, Eltisley, Cambridgeshire) colour rings

Hardangervidda, Norway (Ingvar Byrkjedal, Zoologisk Museum, N-5014 Bergen/Univ., Norway) colour rings

Grey Plover *Pluvialis squatarola*

Teesmouth, England (Dr.P.R.Evans, Dept. of Zoology, University of Durham, South Road, Durham DH1 3LE, England) colour rings

Banc d'Arguin, Mauritania (J.Trotignon - see Ringed Plover) colour rings

Marcus Island, South Africa (P. Hockey, c/o South African Bird Ringing Unit, University of Cape Town, Rondebosch 7700, Cape, South Africa) colour rings

Lapwing *Vanellus vanellus*

South Cleveland R.G., (see Golden Plover) colour rings

North Yorkshire (F.L.Symonds, Weir House, Nidd Bank, Knaresborough, N.Yorks, England) colour rings

Aberdeenshire (R.D.Elliot, Culterty Field Station, Newburgh, Ellon, Aberdeenshire, Scotland) colour rings plus a few cases of wing-tags or dyes.

East Germany (Vogelwarte Hiddensee - see Avocet) permanent colour leg flags

Orkney (Dr. Mildred F. Cuthbert, Vishabreck, Evie, Orkney, Scotland) colour rings

Hampshire, England (M.A.F.F., Worplesdon Laboratory, Tangley Place, Worplesdon, Guildford, Surrey GU3 3LQ) darvic wing tags carrying letter and 2 numbers

Peebleshire, Scotland (Dr. C.P.F.Redfern, Dept. of Molecular Biology, University of Edinburgh, King's Buildings, Mayfield Road, Edinburgh, Scotland) colour rings

Angus, Scotland (Bruce M.Lynch, 15 Falkland Crescent, Broughty Ferry, Dundee, GB) colour rings

Strathclyde, Scotland (Dr R.W. Furness, see Purple Sandpiper) colour rings

Knot *Calidris canutus*

Greenland (Expeditions in 1973, 1974 and 1979) colour rings, mainly tall

Banc d'Arguin, Mauritania (J.Trotignon - see Ringed Plover) colour rings

Marcus Island, South Africa (P. Hockey, see Grey Plover) colour rings

Sanderling *Calidris alba*

Teesmouth, England (Dr.P.R.Evans - see Grey Plover) colour rings

Greenland (Expeditions in 1972, 1973, 1974 and 1979) colour rings, mainly tall

Banc d'Arguin, Mauritania (J.Trotignon - see Ringed Plover) colour rings

Marcus Island, South Africa (P. Hockey, see Grey Plover) colour rings

Temminck's Stint *Calidris temminckii*

Hardangervidda, Norway (Torgrim Breiehagen, Dept. of Animal Biology, Zoologisk Museum, University of Bergen, N-5014 Bergen U., Norway) colour rings

Curlew Sandpiper *Calidris ferruginea*

South Africa (Cape Wader Group) colour rings

Banc d'Arguin, Mauritania (J.Trotignon - see Ringed Plover) colour rings

Marcus Island, South Africa (P. Hockey, see Grey Plover) colour rings

Purple Sandpiper *Calidris maritima*

Hilbre Island, England (Hilbre B.O., Prof. J.D.Craggs, Dept. of Electrical Engineering, The University, P.O. Box 147, Liverpool L69 3BX, England) colour rings
East coast of Scotland (Tay R.G., N.K.Atkinson, Tadorna, 18 Cairnwell Crescent, Montrose, Angus DD10 9EY, Scotland) colour rings
Hardangervidda, Norway (Cambridge Expedition 1978) colour rings
N.Wales (SCAN R.G.; D.J.Stanyard, Groeslon, Caernarvon, Gwynedd, Wales) colour rings
Faeren, SW Norway (Rune Roalkvam, Zoologisk Museum, N-5014 Bergen-Univ., Norway) colour rings
Hardangervidda, Norway (Tay/Grampian Expedition 1980, Keith Brockie, Millhill House Lodge, Inchtute, Perthshire PH14 9SN, GB) colour rings
Ayrshire, Scotland (Dr.R.W.Furness, Zoology Dept., Glasgow University, Glasgow G12 8QQ, GB) colour rings
Graham Bell Island, Franz Josef Land, USSR (P.S. Tomkovich, Department of Ornithology, Zoological Museum, Herzena-str. 6, 103009 Moscow K-9, USSR) colour flags

Dunlin *Calidris alpina*

Greenland (Expeditions in 1972, 1973, 1974 and 1979) colour rings, mainly tall
S. Severn estuary, England (N.A. Clarke, Dept. of Zoology, University, Edinburgh, Scotland) permanent leg flags
Devon, England (Martin Davies, RSPB, 10 Richmond Road, Exeter, Devon, England) colour rings
Banc d'Arguin, Mauritania (J.Trotignon - see Ringed Plover) colour rings
Reda, Poland (Elżbieta Król, Ornithological Station, 80-680 Gdańsk 40, Poland) colour rings
Malmö, Sweden (Paul E. Jönsson, Dept of Animal Ecology, Univ. of Lund, Ecology Building, S-22362 Lund, Sweden) colour ring
Ruff *Philomachus pugnax*

Munster, W.Germany (OAG Munster, Biologische Station Rieselfelder Munster, Wostebach 11, D-4400 Munster, West Germany)
East Germany (Vogelwarte Hiddensee - see Avocet) permanent leg flags
Lancashire, England (S.W.Lancs. R.G., c/o Dr.P.Fearon, 15 Appleby Drive, Ford, Netherton, Liverpool, Merseyside, England) colour rings

Snipe *Gallinago gallinago*

East Germany (Vogelwarte Hiddensee - see Avocet) permanent leg flags

Black-tailed Godwit *Limosa limosa*

East Germany (Vogelwarte Hiddensee - see Avocet) permanent leg flags
West Germany (OAG Munster - see Ruff) colour rings
Netherlands (Albert Brientema, Rijksinstituut voor Natuurbeheer, Broekhuizerlaan 2, postbus 46, 3956 ZR Leersum, Netherlands) PVC rings with large letters

Bar-tailed Godwit *Limosa lapponica*

Teesmouth, England (Durham University - see Grey Plover) colour rings
Banc d'Arguin, Mauritania (J.Trotignon - see Ringed Plover) colour rings

Curlew *Numenius arquata*

Teesmouth, England (Durham University - see Grey Plover) colour rings
Friesian coast, Netherlands (P.Zegers, L.Zwarts - see Oystercatcher) 'banded' colour rings
East Germany (Vogelwarte Hiddensee - see Avocet) permanent leg flags
Nordrhein-westfalen & Niedersachsen, West Germany (Manfred Kipp, Kuhdamm 95, 4540 Lengerich, W.Germany) colour rings
Banc d'Arguin, Mauritania (J.Trotignon - see Ringed Plover) colour rings
S. Wales, G.B. (Dr P.N. Ferns, Dept of Zoology, University College, Cardiff) colour rings with letters or numbers

Spotted Redshank *Tringa erythropus*

West Germany (OAG Munster - see Ruff) colour rings

Redshank *Tringa totanus*

Ribble Estuary, England (Dr. W.G.Hale, Liverpool Polytechnic, Dept. of Biology, Byrom Street, Liverpool, England) colour rings and wing tags.
Note that if any Redshanks with wingtags which wrap around the wing are caught, these tags should be removed.
East Germany (Vogelwarte Hiddensee - see Avocet) permanent leg flags
West Germany (OAG Munster - see Ruff) colour rings
Aberdeenshire, Scotland (Culterty Field Station - see Oystercatcher) colour rings, with wingtags in some cases; also permanent leg flags carrying a letter on one side and a number on the other.
Banc d'Arguin, Mauritania (J.Trotignon - see Ringed Plover) colour rings
Rivers Taw & Exe, Devon, England (Justine Selman, Dept. of Biology, Liverpool Polytechnic, Byrom Street, Liverpool L3, GB) colour rings

Greenshank *Tringa nebularia*

West Germany (OAG Munster - see Ruff) colour rings
N.Scotland (D.Nethersole-Thompson, Ivy Cottage, Culrain, Ardgay, Ross-shire IV24 3DW, GB) colour rings

Green Sandpiper *Tringa ochropus*

East Germany (Vogelwarte Hiddensee - see Avocet) colour rings
West Germany (OAG Munster - see Ruff) colour rings

Wood Sandpiper *Tringa glareola*

West Germany (OAG Munster - see Ruff) colour rings

Common Sandpiper Actitis hypoleucos

North Pennines, England (Miss S.Jones, Dept. of Biology, University of Durham, South Road, Durham DH1 3LE, England) colour rings
South Pennines, England (South Pennine R.G., J.E.Robson, 1 Lawnfold, Hadfield, Hyde, Cheshire, England) colour rings
Lower Saxony, Germany (see Little Ringed Plover) colour rings
Angus, Scotland (Tay R.G.; B.Lynch, 15 Falkland Crescent, Broughty Ferry, Dundee DD5 1NX, Scotland) colour rings
Midlothian, Scotland (Dr. I.R.Poxton, 54 Eskhill, Pencuik, Midlothian, Scotland) colour rings
Northumberland, England (T.Cadwallender, 27 Sycamore Avenue, Guide Post, Choppington, Northumberland NE62 5NU, England) colour rings
Strathclyde, Scotland (Brian J.Broadley, 92 Hyndland Road, Glasgow G12 9PZ, Scotland) colour rings and dye
Møre og Romsdal, Norway (Lars Lofaldi, Dept. of Animal Ecology, Zoologisk Museum, University of Bergen, N-5014 Bergen-Univ., Norway) colour rings

Turnstone Arenaria interpres

Teessmouth (Durham University - see Grey Plover) colour rings
East coast of Scotland (Tay R.G. - see Purple Sandpiper) colour rings
Greenland (Expeditions in 1973 and 1974) tall colour rings
SW Norway (Aanen Munkejord, Dept. of Animal Ecology, Zoologisk Museum, N-5014 Bergen-Univ., Norway) colour rings
Banc d'Arguin, Mauritania (J.Trotignon - see Ringed Plover) colour rings
Nidingen Island, Sweden (Thomas Carlen, Nidingense Fagelstation, Box 10305, 434 01 Kungsbacka, Sweden) colour rings
Ayrshire, Scotland (Dr. R.W.Furness - see Purple Sandpiper) colour rings
Marcus Island, South Africa (P. Hockey, see Grey Plover) colour rings
Lothian, Scotland (Dept. of Zoology, University of Edinburgh) colour rings

COLOUR FLAGS AND COLOUR DYES: TEMPORARY MARKS

The following species will be the subject of one or more studies involving such marking in 1981-82:

Oystercatcher	<u>Haematopus ostralegus</u>	Sanderling	<u>Calidris alba</u>
Ringed Plover	<u>Charadrius hiaticula</u>	Dunlin	<u>C.alpina</u>
Kentish Plover	<u>C.alexandrinus</u>	Bar-tailed Godwit	<u>Limosa lapponica</u>
Grey Plover	<u>Pluvialis squatarola</u>	Curlew	<u>Numenius arquata</u>
Lapwing	<u>Vanellus vanellus</u>	Redshank	<u>Tringa totanus</u>
Knot	<u>Calidris canutus</u>	Common Sandpiper	<u>Actitis hypoleucos</u>
		Turnstone	<u>Arenaria interpres</u>

The following ringers/organizations have registered their projects with WSG:
WSG project on Movements of Wader Populations in Western Europe
Dr. R.W.Furness, Glasgow University
F.L.Symonds, Nature Conservancy Council & Edinburgh Ringing Group
Miss C.M.Lessells, Edward Grey Institute & Station Biologique de la Tour du Valat
R.D.Elliott, Aberdeen University
Dr. E.Nieboer, Vrije Universiteit Amsterdam
B.J.Broadley, Clyde Ringing Group
Geir Olav Toft, University of Bergen
Dr. R.W.Summers ; Dr Rhys Green, RSPB

IT IS VITAL THAT NO OTHER SCHEMES ARE UNDERTAKEN WITHOUT PRIOR CONSULTATION WITH WSG

Observers seeing birds marked with dye and/or flags (or other marks) should send the record with as much detail as possible to M.W.Pienkowski, Wader Study Group, Dept. of Zoology, University of Durham, South Road, Durham DH1 3LE, GB, who will forward it to the appropriate scheme. Points to note, if possible, are:-
colour of dye position of dye on body colour of leg flag
position of flag (above or below 'knee' joint; which leg) date
location
but incomplete details are welcome.

NOTE
British ringers, in particular, should remember that any bird which is marked in any way additionally to the metal ring must be so indicated on the ringing schedules. The appropriate codes for this are given in the Ringers' Manual, as amended by Ringers' Bulletin.

ASPECTS OF OVERLAND WADER MIGRATION IN AUTUMN AT A RESERVOIR IN SOUTHERN SCOTLAND by Tom W. Dougall

Introduction

During the autumns of 1974-76 inclusive, regular counts of waders were made at Ale Moor Reservoir, near Hawick, Roxburghshire (see Dougall 1980).

This reservoir lies at an altitude of 275 m above sea level and is surrounded by hills with a narrow opening to the north-east. The site is 70 km from the nearest part of the Scottish east coast, and 48 km from the nearest part of the Solway coast in the west. It lies near the divide between the land draining to the North Sea and to the Solway Firth and is in a very favourable position for observing cross-country migration between the two coasts. The reservoir is composed of two lochs; most observations were carried out at the West Loch.