

FINAL COMMENTS ON THE SPRING MIGRATION OF WADERS THROUGH BRITAIN IN 1979

(Results of the WSG Project on the Spring Passage of Dunlins, Sanderlings, Ringed Plovers and Turnstones through Britain - Part 5)

by P.N. Ferns

Species other than Dunlin *Calidris alpina*, Sanderling *C.alba*, Ringed Plover *Charadrius hiaticula* and Turnstone *Arenaria interpres*.

No specific request was made for contributors to the Project to count birds other than the four selected for detailed study, but some counts were sent in and they are of sufficient interest to be worth reporting.

Shelduck *Tadorna tadorna* numbers at Collister Pill in the Severn Estuary (Fig. 1) showed a complex series of changes against the background of an increasing overall trend. Sites in the upper part of the Severn normally show a gradual build up of numbers throughout the winter and spring, possibly as a result of the dispersal of the large autumn concentration in Bridgewater Bay. The series of small peaks which occurred at intervals of 15-20 days are particularly interesting. They are not the result of tidal factors since they are not consistently associated with either spring or neap tides (c.f. Jenkins, Murray & Hall 1975). The only real alternative is that they represent genuine waves of migrants passing through the area. Boase (1951) noted peaks in the Tay Estuary in late April, mid-May and early July, during the years 1934 to 1950, and likewise attributed these to passage. Numbers in the Menai Straits in 1979, although less convincing, show signs of peaks at more or less the same times as Collister Pill. These transient birds could have consisted of individuals from the west of Britain and Ireland moving to sites further east, though some of them passed through rather late for them to have been potential breeders.

There were clear signs of Grey Plover *Pluvialis squatarola* passage at Collister Pill in early April (Fig. 2). During the same period at Sandwich & Pegwell Bays in Kent, numbers were declining. The Grey Plover is of course a species in which European wintering birds breed only to the east.

Large numbers of nearctic Knot *Calidris canutus* are known to gather in estuaries in north-west England prior to their onward migration to Iceland, Greenland and Canada (e.g. Wilson 1973). In 1979, the peak count consisted of 19,600 birds at Crossen's Marsh in the Ribble on 29 April. This site was not counted regularly, but some idea of the general trend in numbers can be obtained from counts in the Ainsdale-Southport Pier section of the same estuary (Fig. 3). In this area, the peak count was obtained on 22 April. Although heading for breeding areas in the far north, these birds leave Britain relatively early because, like the Turnstone, large numbers stop off in Iceland to undertake inter-migratory fattening (Morrison 1975, Dick et al. 1976). Collister Pill and Sandwich & Pegwell Bays showed some passage of Knots in early to mid-April (Fig. 3), and it seems quite likely that these were nearctic birds heading for the Irish Sea estuaries. Both these sites also show some signs of a later wave of passage (mid-May in the Severn, and late May in Kent). These latter birds fit in quite well with the observed pattern of migration of Siberian Knot in 1979 (Dick 1979). If this is the case, the peak passage periods of westerly and easterly breeding Knots through southern Britain are separated by a period of almost a month, though the actual number of easterly breeding birds involved is probably very small.

The only site where substantial numbers of Purple Sandpipers *Calidris maritima* were recorded was Largo Bay in the Firth of Forth. These reached a peak of 145 birds on 29 April 1979.

The Bar-tailed Godwit *Limosa lapponica* is a species which showed a particularly well-defined spring passage at both Collister Pill and Sandwich & Pegwell Bays in 1979 (Fig. 4). At the former site this occurred during the last ten days of April, and at the latter in the last few days of April and the first two weeks of May. Fourteen Bar-tailed Godwits were seen departing on migration from Pegwell Bay towards the NNE on 29 April. These birds were most likely to have come from wintering areas well to the South since British and Irish Bar-tailed Godwits leave their winter haunts in February and March.

Whimbrel *Numenius phaeopus* passage at Collister Pill in previous years has reached a single peak at the end of April or the beginning of May (Ferns, Green & Round 1979), but in 1979 there were two distinct peaks (Fig. 5), the second of which was much later than usual. Most of these birds were probably from breeding areas in Iceland. Passage at Sandwich & Pegwell Bays covered more or less the same range of dates, but the highest counts were obtained rather later and may have included birds of more easterly breeding origin. There were no clear signs of Curlew *Numenius arquata* passage at either of the above sites (Fig. 6) and counts did not start early enough to ascertain whether

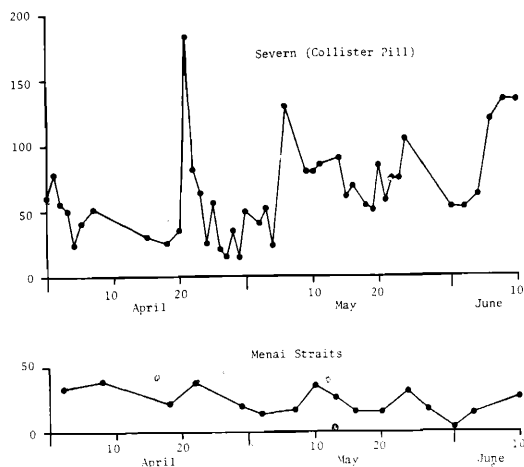


Figure 1. Counts of Shelduck in spring 1979.

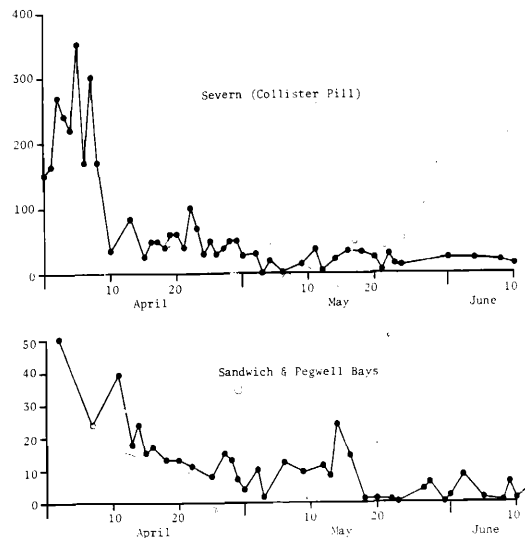


Figure 2. Counts of Grey Plover in spring 1979.

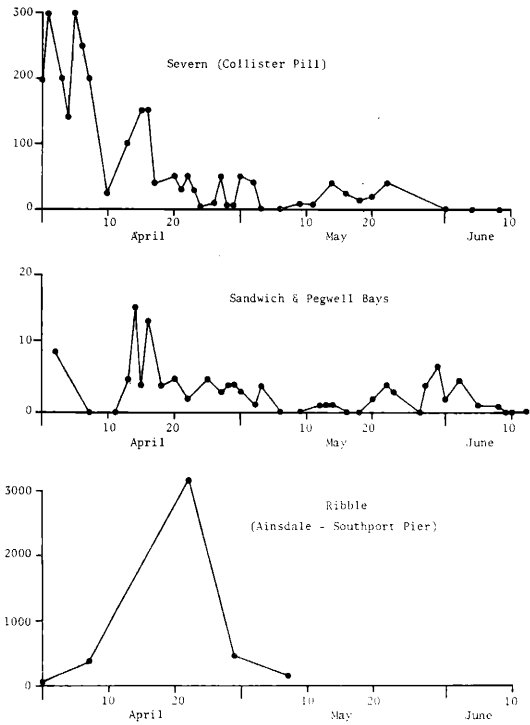


Figure 3. Counts of Knot in spring 1979.

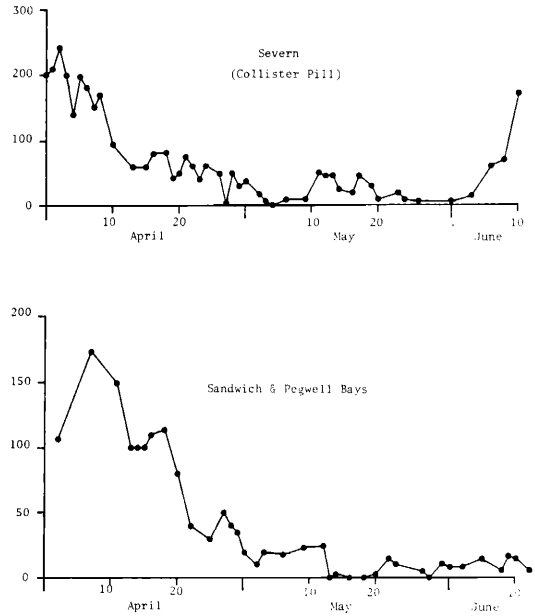


Figure 6. Counts of Curlew in spring 1979.

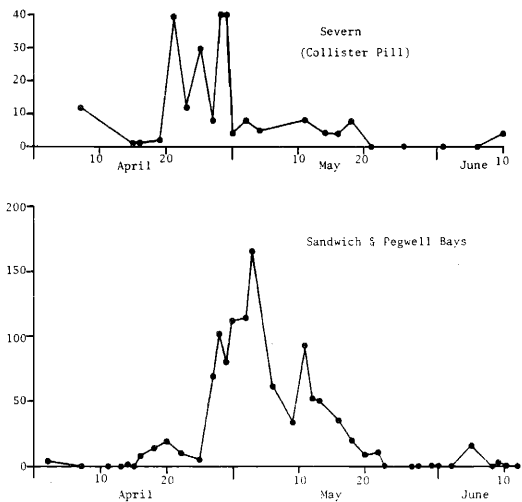


Figure 4. Counts of Bar-tailed Godwit in spring 1979.

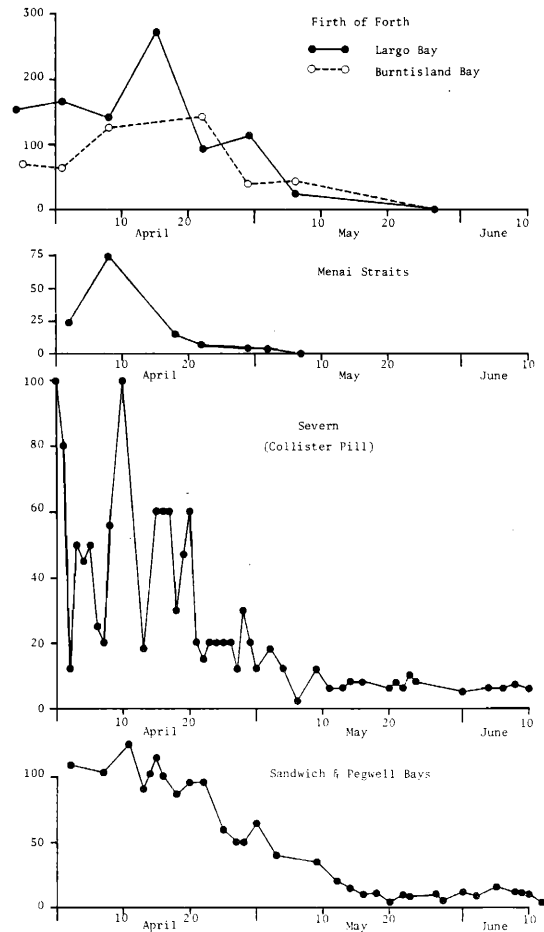


Figure 7. Counts of Redshank in spring 1979.

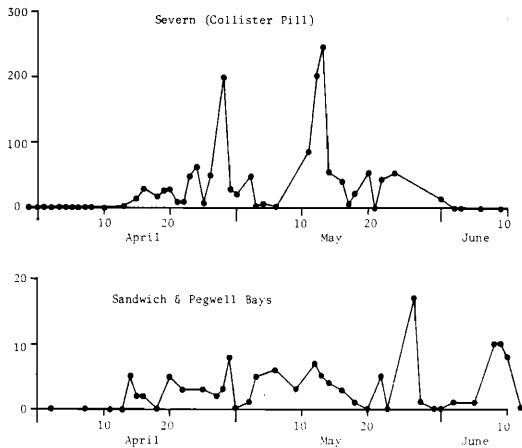


Figure 5. Counts of Whimbrel in spring 1979.

Wash (catches)

Holme and Heacham - Wash Wader Ringing Group.

Sandwich & Pegwell Bays (counts) - M.P. Sutherland and P.W.J. Findley (Sandwich Bay Bird Observatory).

Hampshire/Sussex Harbours (counts - mainly coordinated by E.J. Wiseman and H. Insley)

Portsmouth Harbour (Reclaim area) - D.J. Steventon and D.I. Bill.

Langstone Harbour (Little Binness Island, South Binness Island, Russell's Lake, Baker's Island, Farlington Marshes Lake) - R. Gomes and P.M. Potts.

Fawley - P. Fawkes.

Calshot - P. Fawkes.

Meon (Titchfield Haven) - B. Duffin.

Hamble (Warsash - Hook shore) - D.A. Christie.

Oxley Creek to Pennington Marsh - J. Jones, E.J. Wiseman, M. Terry, R. Dunn and D.B. Wooldridge.

Hayling Island (Sinah Common - East Winner) - B.W. Renyard.

Southampton Water (Western Dock Extension, Southampton Docks, Eling Marsh) - H. Insley, B. Dudley, G.C. Barrett, P. Rees and M.F. Gibbons (Lower Test Ringing Group).

Dibden Bay - H. Insley, G.C. Barrett and B. Dudley (Lower Test Ringing Group).

Poole Harbour (counts)

Sandbanks - C.M. Reynolds.

Brownsea Island - A.T. Bromby.

Devon (counts - coordinated by R. Swinfen)

Exe Estuary (Dawlish Warren) - P. Nicholson.

Wembury - J.F. and J.E.L. Jones.

Devon (catches)

Wembury - Devon and Cornwall Wader Ringing Group (R. Swinfen).

Severn Estuary (counts)

Berrow - N.A. Clark.

Sand Bay - H.E. Rose.

Clevedon - H.E. Rose and N.A. Clark.

Chittening Warth - R.G. Thomas, N.A. Clark and N.T. Lacy.

Collister Pill - D.H. Worrall, P.N. Ferns, W.A. Venables and Celtic Wader Research Group.

Severn Estuary (catches)

Clevedon and Chittening Warth - N.A. Clark.

Mid-Glamorgan (counts)

Kenfig Sands - S. Moon.

Menai Straits (counts)

Foryd Bay - D.J. Stanyard

Beaumaris to Penmon - A.J.M. and W.A. Walker, J. Kew, E.I.S. Rees and Miss P. Almada.

Bangor to Llanfairfechan - J. Kew and University College of North Wales Bird Group.

Dee Estuary (counts)

Point of Air, West Kirby and Bidston - R.A. Eades.

Dee Estuary (catches)

Point of Air - Merseyside Ringing Group.

Mersey Estuary (counts)

Seaforth - I. Wolfenden and L. Ater.

Ribble Estuary (counts)

Ainsdale to Southport Pier - I.P. and C.A. Bainbridge, J.D. Fletcher and P.H. Smith.

Southport to Marshside - I.P. and C.A. Bainbridge.

Crossen's Marsh - J.D. Fletcher.

Lytham St. Annes - P.H. Smith.

Ribble Estuary (catches)

Marshside - South West Lancashire Ringing Group (I.P. Bainbridge)

Morecambe Bay (counts - coordinated by C.S. Clapham)

Pilling - C.S. Clapham.

Sunderland Point to Middleton Sands - P. and M.P. Lennon, C. Brown and Mountain & Wildlife Venture Groups.

Morecambe Bay (catches)

Hest Bank, Biggar, Newbiggin and Conishead - Morecambe Bay Wader Group (C.S. Clapham).

Solway Firth (counts)

Southernness Point - M. Wright.

Solway Firth (catches)

Waterfoot Annan - North Solway Ringing Group and Wash Wader Ringing Group.

Isle of Rhum (counts)

Kilmory Burn - I.G. Black and Miss F. Guinness.

Outer Hebrides (counts)

Melrose Sands (Stornoway, Isle of Lewis) - N.E. Buxton and W.A.J. Cunningham.

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FOOD OF A JACK SNIPE

by Bernard Zonfrillo

On 18 Jan 1981 I found a dead Jack Snipe Lymnocyptes minimus killed by a car on a road to the north-east of Glasgow, Strathclyde. The bird was found after a heavy overnight snowfall had blanketed much of central Scotland. I dissected the bird which was a male weighing 72g, an average weight for this species at that time of year (I.P.Gibson pers. comm.). The stomach contents were removed and examined by Dr R.M.Dobson of Glasgow University Zoology Dept., who identified the undigested remains. These were mostly snail shells, badly smashed - Hydrobia jenkinsi: larva of Chironomid midge - possibly Prodiamesa olivacea; legs of Amphipod - possibly Gammarus sp.; spiracular plate of dipterous larvae - possibly tipulid; plus various odd insect mandibles.

The only other source of Jack Snipe food I can locate is in the Witherby "Handbook" which lists Annelids (earthworms), Molluscs (Succinea, Helix and Pisidium), Coleoptera (Laccobius), Diptera (Psychodidae larvae and Prionocera turcica), plants in the form of seeds of grasses, Juncaceae, Polygonum, Rubus and fragments of algae.

Chance finds such as this are worth examining in view of the comparative lack of data on feeding of the less common waders. The preserved skin of this individual is in my possession.

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