



THE PARASITES OF BRITISH BIRDS AND MAMMALS. X. RECORDS
OF MALLOPHAGA FROM BIRDS.*

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The species of Mallophaga recorded in this note are arranged under their genera according to Harrison's 'Genera and species of the Mallophaga.' † I should like to take this opportunity of thanking all those people, whose names appear in brackets after the locality of each host, for their kindness in sending me these parasites.

MALLOPHAGA.

AMBLYCERA.

MENOPONIDAE.

1. *Menopon albofasciatum* Piaget.
Tadorna tadorna (Linn.) (Sheld-Duck), Cheshire, Ince,
10.xii.1932 (*H. Bostock*).
2. *M. giganteum* Denny.
Columba oenas Linn. (Stock Dove), Surrey, Wormley
Hill, 4.vi.1935 (*N. H. Bennett*).
3. *M. perdix* Denny.
Perdix p. perdix (Linn.) (Partridge, ♂), Glamorgan,
Aberthaw, 9.ii.1935 (*J. G. Williams*).
4. *M. pustulosum* Nitzsch.
(a) *Morus bassanus* (Linn.) (Gannet, young), Devon,
Plymouth, 19.xi.1935 (*Miss M. Rothschild*).
(b) Same host, Grassholm Is., viii.1934 (*H. M. Hallett*).
5. *Menacanthus curuccae* (Schrank), 1 ♀.
Parus caeruleus obscurus Pražák (Blue Tit), Denbigh-
shire, Old Colwyn, 8.xi.1935 (*M. Mitchell*).

* No. IX appeared in this Magazine for July, 1936, pp. 159-161.

† Parasitology, IX, 1916, pp. 1-159.

6. *M. spiniferus* (Piaget).
 - (a) *Turdus m. merula* Linn. (Blackbird), Denbighshire, Old Colwyn, 21.ix.1935 (*M. Mitchell*).
 - (b) Same host, Dorset, xi.1935 (*Dr. T. Hare*).
7. *Myrsidea cucullaris* (Nitzsch).

Sturnus v. vulgaris Linn. (Starling), Essex, Layer Marney, 1.vi.1934 (*Dr. J. W. Campbell*).
8. *Dennyus truncatus* (Olfers).

Apus a. apus (Linn.) (Swift), Monmouth, Peterstone Wentloog, 18.vii.1934 (*H. M. Hallett*).
9. *Eureum cimicoides* (Nitzsch), 1 ♀.

Apus a. apus (Linn.), Glamorgan, Cardiff, 16.v.1923 (*H. M. Hallett*).

ISCHNOCERA.

PHILOPTERIDAE.

10. *Goniodes chelicornis* Nitzsch.

Tetrao u. urogallus Linn. (Capercaillie), East Lothian, Aberlady, x.1935.
11. *G. damicornis* Nitzsch.

Columba p. palumbus Linn. (Wood Pigeon), Flint, Caerwys, 21.viii.1935 (*M. Mitchell*).
12. *Goniocotes chrysocephalus* Geibel.
 - (a) *Phasianus colchicus* Linn. (Pheasant), Cheshire, Congleton, 30.iv.1928 (*A. J. Sotley*).
 - (b) Same host, Lancashire, Longton, Preston, 10.ii.1923 (*P. A. Heathcote*).
13. *G. bidentatus* (Scopoli).

Columba oenas Linn. (Stock Dove), Surrey, Wormley Hill, 4.vi.1935 (*N. H. Bennett*).
14. *Lagopoeus affinis* (Children).

Lagopus s. scoticus (Latham) (British Red Grouse), Radnorshire, Llanbwchllyn, 4.ii.1935 (*J. G. Williams*).
15. *Philopterus acanthus* (Giebel).

Haematopus ostralegus occidentalis Neuman (Oyster Catcher), Glamorgan, Aberthaw, 9.xii.1934 (*H. M. Hallett*).
16. *P. alcedinis* (Denny).
 - (a) *Alcedo atthis ispida* Linn. (Kingfisher), Hereford, 30.ix.1934 (*J. S. Stewart*).
 - (b) Same host, Glamorgan, Cardiff, 31.x.1934 (*J. G. Williams*).

17. *P. auratus* (Nitzsch).
Scolopax r. rusticola Linn. (Woodcock, ♀), Glamorgan, Llanedarne, 22.ii.1935 (*J. G. Williams*).
18. *P. cordiceps* (Piaget).
Calidris c. canutus (Linn.) (Knot), Monmouth, Peterstone Wentloog, 24.xi.1934 (*J. G. Williams*).
19. *P. gonothorax* (Giebel).
 (a) *Larus a. argentatus* Pont. (Herring Gull), Glamorgan, Llanishen, 22.x.1934 (*J. G. Williams*).
 (b) *Larus c. canus* Linn. (Common Gull), Denbighshire, 27.xii.1934 (*M. Mitchell*).
 (c) *Rissa t. tridactyla* (Linn.) (Kittiwake Gull), Essex, Layer Marney, 27.xii.1934 (*Dr. J. W. Campbell*).
20. *P. humeralis* (Denny).
Numenius p. phaeopus (Linn.) (Whimbrel), Monmouth, Paleston, v.1934 (*H. M. Hallett*).
21. *P. melanocephalus* (Nitzsch).
Sterna h. hirundo Linn. (Common Tern), Norfolk, Wells, 3.ix.1934.
22. *P. merulae* (Denny).
 (a) *Turdus m. merula* Linn. (Blackbird), Surrey, Selsdon, iii.1935 (*A. M. Low*).
 (b) Same host, Glamorgan, Radyr, 19.iii.1935 (*J. G. Williams*).
23. *P. picae* (Denny).
 (a) *Pica p. pica* (Linn.) (Magpie), Essex, Layer Marney, 29.iii.1934 (*Dr. J. W. Campbell*).
 (b) Same host species, Cheshire, Eaton Hall, 17.iii.1933 (*E. G. Williams*).
24. *P. pustulosus* (Nitzsch).
Stercorarius parasiticus (Linn.) (Arctic Skua), East Lothian, Aberlady, 12.ix.1935 (*G. B. Thompson*).
25. *P. sturni* (Schrank).
 (a) *Sturnus v. vulgaris* Linn., Lancashire, Radcliffe, 1.iii.1931 (*T. Warwick*).
 (b) Same host species, Essex, Layer Marney, 1.vi.1934 (*Dr. J. W. Campbell*).
 (c) Lancashire, Longton, 8.ii.1923 (*W. H. Heathcote*).
26. *Icidifrons pertusus* (Nitzsch).
Fulica a. atra Linn. (Coot), Radnorshire, Llanbachlly Pool, 18.ix.1934 (*J. G. Williams*).

27. *Cummingsiella testudinaria* (Denny).
Numenius a. arquata (Linn.) (Curlew, ♀), Glamorgan, Aberthaw, 23.ii.1935 (*J. G. Williams*).
28. *Anatoecus cygni* (Denny).
Cygnus b. bewickii Yarr. (Bewick's Swan), Cheshire, Marbury Mire, 5.iv.1924 (*T. A. Coward*).
29. *A. icterodes* (Nitzsch).
 (a) *Nyroca m. marila* (Linn.) (Scaup-Duck, ♀), Glamorgan, near Cardiff, Rumney Flats, 2.ii.1935 (*J. G. Williams*).
 (b) *Anas c. crecca* Linn. (Teal, ♀), Monmouth, Peterstone Wentloog, 30.x.1934 (*J. G. Williams*).
 (c) *Anser albifrons* (Scopoli) (White-fronted Goose), Brecon, Garth, 6.xii.1934 (*J. G. Williams*).
 (d) *Tadorna tadorna* (Linn.), Cheshire, Ince, 10.xii.1932 (*H. Bostock*).
30. *Degeeriella cingulata* (Nitzsch).
Limosa l. lapponica (Linn.) (Bar-tailed Godwit), Monmouth, Peterstone Wentloog, 9.ix.1934 (*J. G. Williams*).
31. *D. haematopi* (Denny).
Haematopus ostralegus occidentalis Neumann (Oyster Catcher), Glamorgan, near Aberthaw, Leys, viii.1934 (*H. M. Hallett*).
32. *D. latirostris* (Burmeister).
Cuculus c. canorus Linn. (Cuckoo), Glamorgan, Penylan, 21.v.1934 (*H. M. Hallett*).
33. *D. nebulosa* (Burmeister).
Sturnus v. vulgaris Linn., Cheshire, Blakeden, 9.iv.1930 (*A. W. Boyd*).
34. *D. normifer* (Grube).
Stercorarius parasiticus (Linn.), East Lothian, Aberlady, 12.i.1935 (*G. B. Thompson*).
35. *D. ornata* (Grube).
Rissa t. tridactyla (Linn.), Essex, Layer Marney, 27.xii.1934 (*Dr. J. W. Campbell*).
36. *D. podiceps* (Denny), 1 ♀.
Podiceps r. ruficollis (Pall.) (Little Grebe), Radnorshire, Boughrood, 21.ix.1934 (*J. G. Williams*).
37. *D. rallina* (Denny), 1 ♂.
Rallus a. aquaticus Linn. (Water Rail), Monmouth, Peterstone Wentloog, 26.xii.1934 (*J. G. Williams*).

38. *D. strepsilaris* (Denny).
Arenaria i. interpres (Linn.) (Turnstone), Glamorgan,
 Aberthaw, 26.viii.1934 (*H. M. Hallett*).
39. *Columbicola columbae* (Linn.).
 (a) *Streptopelia t. turtur* (Linn.) (Turtle Dove), Glamorgan,
 Rumney, 26.vi.1934 (*H. M. Hallett*).
 (b) *Columba oenas* Linn., Surrey, Wormley Hill, 4.vi.
 1935 (*N. H. Bennett*).
40. *Anaticola tadornae* (Denny).
Tadorna tadorna (Linn.), Cheshire, Ince, 10.xii.1932 (*H. Bostock*).
41. *A. crassicornis* (Scopoli).
 (a) *Nyroca f. ferina* (Linn.) (Pochard), Radnorshire,
 Llanbwlchlyn Lake, 1.iii.1935 (*J. G. Williams*).
 (b) *Melanitta n. nigra* (Linn.) (Common Scoter), Den-
 bighshire, Llandulas, 18.ii.1935 (*M. Mitchell*).
42. *Pectinopygus bassanae* (Fabricius).
 (a) *Morus bassanus* (Linn.), Devon, Plymouth, 19.xi.
 1935 (*Miss M. Rothschild*).
 (b) Same host species, Grassholm Is., viii.1934 (*H. M. Hallett*).

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