

ADDENDUM: APPENDIX II – Volume 3

ECTOPARASITES OF AUSTRALIAN, NEW ZEALAND AND ANTARCTIC BIRDS

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INTRODUCTION

This checklist covers the ectoparasites of birds described in Volume 3 of HANZAB. It was not published in Volume 3 owing to lack of space. For completeness, we have included new ectoparasite records and other nomenclatorial novelties published since the publication of Volume 3.

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CHECKLIST OF ECTOPARASITES

Family SCOLOPACIDAE

Coenocorypha pusilla

- LICE: *Quadriceps coenocoryphae* Timmermann, 1955
 FLEAS: *Parapsyllus longicornis* (Enderlein, 1901)
Parapsyllus lymnae lymnae Smit, 1979

Coenocorypha aucklandica huegeli

- LICE: *Quadriceps coenocoryphae* Timmermann, 1955
 FLEAS: *Parapsyllus lymnae lymnae* Smit, 1965

Coenocorypha aucklandica meinertzhagenae

- LICE: *Austromenopon* sp.
 FLEAS: *Pagipysylla galliralli* (Smit, 1965)
Parapsyllus cardinis Dunnet, 1961

Coenocorypha aucklandica aucklandica

- LICE: *Austromenopon* sp.
Quadriceps coenocoryphae Timmerman, 1955

Limosa limosa

- LICE: *Actornithophilus spinulosus* (Piaget, 1880)
Austromenopon limosae Timmermann, 1954
Carduiceps cingulatus (Denny, 1842)
Luniceps limosella Timmermann, 1954
Saemundssonina (Saemundssonina) thompsoni Timmermann, 1951

Limosa lapponica

- LICE: *Actornithophilus limosae* (Kellogg, 1908)
Austromenopon meyeri (Giebel, 1874)
Carduiceps cingulatus (Denny, 1842)
Luniceps limosella Timmermann, 1954
Saemundssonina (Saemundssonina) limosae (Denny, 1842)

Numenius phaeopus

- LICE: *Austromenopon phaeopodis* (Schrank, 1802)
Luniceps numenii oliveri (Johnston & Harrison, 1912)
Saemundssonina (Saemundssonina) scolopacisphaeopodis scolopacisphaeopodis (Schrank, 1803)

Numenius madagascariensis

- LICE: *Luniceps numenii numenii* (Denny, 1842)

Arenaria interpres

- LICE: *Actornithophilus bicolor* (Piaget, 1880)
Actornithophilus pediculoides (Mjöberg, 1910)
Austromenopon lutescens (Burmeister, 1838)
Quadriceps strepsilaris (Denny, 1842)

Calidris tenuirostris

- LICE: *Actornithophilus* sp.
Luniceps drosti Timmermann, 1954
Saemundssonina (Saemundssonina) tringae sibiriae Martens, 1974

Calidris canutus

- LICE: *Actornithophilus umbrinus* (Burmeister, 1838)
Austromenopon lutescens (Burmeister, 1838)
Carduiceps zonarius (Nitzsch [in Giebel], 1866)
Luniceps drosti Timmermann, 1954
Saemundssonina (Saemundssonina) tringae tringae (O. Fabricius, 1780)

Calidris alba

- LICE: *Actornithophilus umbrinus* (Burmeister, 1838)
Carduiceps zonarius (Nitzsch [in Giebel], 1866)
Luniceps actophilus (Kellogg & Chapman, 1899)

Calidris ruficollis

- LICE: *Actornithophilus umbrinus* (Burmeister, 1838)
Carduiceps zonarius (Nitzsch [in Giebel], 1866)
Luniceps sp.
Saemundssonina (Saemundssonina) tringae tringae (O. Fabricius, 1780)

Calidris melanotos

- LICE: *Actornithophilus umbrinus* (Burmeister, 1838)

Calidris acuminata

- LICE: *Actornithophilus umbrinus* (Burmeister, 1838)
Carduiceps zonarius (Nitzsch [in Giebel], 1866)
Luniceps sp.

Calidris ferruginea

- LICE: *Actornithophilus umbrinus* (Burmeister, 1838)
Luniceps incoenis (Kellogg & Chapman, 1899)

Family GLAREOLIDAE

Glareola maldivarum

- LICE: *Actornithophilus* sp.
Austromenopon sp.
Quadriceps ellipticus (Nitzsch [in Giebel], 1866)

Family LARIDAE

Catharacta skua lonnbergi

- LICE: *Austromenopon fuscofasciatum* (Piaget, 1880)
Haffneria grandis (Piaget, 1880)

- Saemundssonina* (*Saemundssonina*) *euryrhyncha* (Giebel, 1874)
 FLEAS: *Parapsyllus heardi* de Meillon, 1952
- Catharacta maccormicki**
 LICE: *Austromenopon fuscofasciatum* (Piaget, 1880)
Haffneria grandis (Piaget, 1880)
Quadriceps alpha (Kellogg, 1914)
Saemundssonina (*Saemundssonina*) *euryrhyncha* (Giebel, 1874)
- Stercorarius parasiticus**
 LICE: *Austromenopon fuscofasciatum* (Piaget, 1880)
Haffneria grandis (Piaget, 1880)
Quadriceps normifer normifer (Grube, 1851)
Saemundssonina (*Saemundssonina*) *cephalus* (Denny, 1842)
- Stercorarius longicaudus**
 LICE: *Austromenopon fuscofasciatum* (Piaget, 1880)
Quadriceps normifer parvopallidus (Eichler, 1951)
Saemundssonina (*Saemundssonina*) *inexpectata* Timmermann, 1951
- Larus pacificus**
 LICE: *Quadriceps punctatus ventosus* Timmermann, 1952
Saemundssonina (*Saemundssonina*) *lari* (O. Fabricius, 1780)
- Larus dominicanus**
 LICE: *Actomithophilus piceus lari* (Packard, 1870)
Austromenopon transversum (Denny, 1842)
Quadriceps ornatus fuscoluminatus (Enderlein, 1908)
Quadriceps punctatus (Burmeister, 1838) sensu lato
Saemundssonina (*Saemundssonina*) *lari* (O. Fabricius, 1780)
 FLEAS: *Notiopsylla kerguelensis kerguelensis* (Taschenberg, 1880)
Parapsyllus longicornis (Enderlein, 1901)
Parapsyllus nestoris nestoris Smit, 1965
 TICKS: *Ixodes eudypitidis* Maskell, 1885
- Larus novaehollandiae novaehollandiae**
 LICE: *Actomithophilus piceus lari* (Packard, 1870)
Austromenopon transversum (Denny, 1842)
Quadriceps punctatus lingulatus (Waterston, 1914)
Saemundssonina (*Saemundssonina*) *lari* (O. Fabricius, 1780)
 FLEAS: *Parapsyllus australiacus* Rothschild, 1909
 TICKS: *Ixodes eudypitidis* Maskell, 1885
- Larus novaehollandiae scopulinus**
 LICE: *Actomithophilus piceus lari* (Packard, 1870)
Austromenopon transversum (Denny, 1842)
Quadriceps punctatus lingulatus (Waterston, 1914)
Saemundssonina (*Saemundssonina*) *lari* (O. Fabricius, 1780)
 FLEAS: *Parapsyllus longicornis* (Enderlein, 1901)
Parapsyllus magellanicus magellanicus Jordan, 1938
 TICKS: *Ixodes eudypitidis* Maskell, 1885
Ornithodoros capensis Neumann, 1901
- Larus bulleri**
 LICE: *Austromenopon transversum* (Denny, 1842)
Quadriceps punctatus (Burmeister, 1838) sensu lato
Saemundssonina (*Saemundssonina*) *lari* (O. Fabricius, 1780)
- Sterna caspia**
 LICE: *Austromenopon atrofulvum* (Piaget, 1880)
Quadriceps caspius (Giebel, 1874)
- Sterna bengalensis**
 LICE: *Austromenopon atrofulvum* (Piaget, 1880)
Quadriceps sellatus (Burmeister, 1838)
Saemundssonina (*Saemundssonina*) *laticaudata* (Rudow, 1869)
- Sterna bergii**
 LICE: *Actomithophilus piceus piceus* (Denny, 1842)
Austromenopon atrofulvum (Piaget, 1880)
Quadriceps sellatus (Burmeister, 1838)
Saemundssonina (*Saemundssonina*) *laticaudata* (Rudow, 1869)
- Sterna bergii cristata**
 LICE: *Actomithophilus piceus piceus* (Denny, 1842)
- Sterna striata**
 LICE: *Austromenopon atrofulvum* (Piaget, 1880)
Quadriceps sellatus (Burmeister, 1838)
Saemundssonina (*Saemundssonina*) *sternae* (Linnaeus, 1758)
- Sterna hirundo**
 LICE: *Quadriceps sellatus* (Burmeister, 1838)
- Sterna paradisaea**
 LICE: *Quadriceps houri* Hopkins, 1949
Saemundssonina (*Saemundssonina*) *lockleyi* Clay, 1949
- Sterna vittata**
 LICE: *Austromenopon atrofulvum* (Piaget, 1880)
Quadriceps houri Hopkins, 1949
Quadriceps sellatus (Burmeister, 1838)
Saemundssonina (*Saemundssonina*) *lockleyi* Clay, 1949
- Sterna albostrigatus**
 LICE: *Quadriceps* sp.
- Sterna albifrons**
 LICE: *Quadriceps nychthemerus* (Burmeister, 1838)
Saemundssonina (*Saemundssonina*) *melanocephalus* (Burmeister, 1838)
- Sterna nereis**
 LICE: *Quadriceps nychthemerus* (Burmeister, 1838)
Saemundssonina (*Saemundssonina*) *melanocephalus* (Burmeister, 1838)
 TICKS: *Ixodes kohlsi* Arthur, 1955
- Sterna anaethetus**
 LICE: *Austromenopon atrofulvum* (Piaget, 1880)
Quadriceps legatus Timmermann, 1952
Saemundssonina (*Saemundssonina*) *meridiana* Timmermann, 1950
Saemundssonina (*Saemundssonina*) *lockleyi* Clay, 1949
- Sterna fuscata**
 LICE: *Austromenopon atrofulvum* (Piaget, 1880)
Quadriceps birostris (Giebel, 1874)
Saemundssonina (*Saemundssonina*) *albemarlensis* (Kellogg & Kuwana, 1902)
 TICKS: *Amblyomma loculosum* Neumann, 1907
Ornithodoros capensis Neumann, 1901
- Chlidonias hybridus**
 LICE: *Austromenopon atrofulvum* (Piaget, 1880)
Quadriceps anagrapsus (Nitzsch [in Giebel], 1866)
Saemundssonina (*Saemundssonina*) *lobaticeps lobaticeps* (Giebel, 1874)
- Chlidonias leucopterus**
 LICE: *Austromenopon atrofulvum* (Piaget, 1880)
- Anous stolidus**
 LICE: *Actomithophilus incisus* (Piaget, 1880)
Quadriceps separatus (Kellogg & Kuwana, 1902)
- Anous minutus**
 LICE: *Actomithophilus ceruleus* (Timmermann, 1954)
Austromenopon atrofulvum (Piaget, 1880)
Quadriceps hopkinsi hopkinsi Timmermann, 1952
Saemundssonina (*Saemundssonina*) *lobaticeps remota* Timmermann, 1951
 TICKS: *Amblyomma loculosum* Neumann, 1907
Ornithodoros capensis Neumann, 1901
- Anous tenuirostris**
 LICE: *Actomithophilus ceruleus* (Timmermann, 1954)
Quadriceps hopkinsi hopkinsi Timmermann, 1952
- Procelsterna cerulea albivittata**
 LICE: *Actomithophilus ceruleus* (Timmermann, 1954)
Austromenopon atrofulvum (Piaget, 1880)
Quadriceps hopkinsi apophoretus Timmermann, 1969
- Gygis alba**
 LICE: *Saemundssonina* (*Saemundssonina*) sp.
- Family COLUMBIDAE
- Columba livia**
 LICE: *Bonomiella columbae* Emerson, 1957
Campanulotes bidentatus compar (Burmeister, 1838)
Coloceras damicomre (Nitzsch, 1866)
Colpocephalum turbinatum Denny, 1842
Columbicola columbae (Linnaeus, 1758)
Hohorstiella lata (Piaget, 1880)
 FLEAS: *Echidnophaga gallinacea* (Westwood, 1875)
 TICKS: *Argas persicus* group
- Streptopelia senegalensis**
 LICE: *Coloceras piageti* (Johnston & Harrison, 1912)
- Streptopelia chinensis chinensis**
 LICE: *Coloceras chinense* (Kellogg & Chapman, 1902)

Streptopelia chinensis tigrina

- LICE: *Coloceras chinense* (Kellogg & Chapman, 1902)
Coloceras piageti (Johnston & Harrison, 1912)
Colpocephalum longicaudum
 Nitzsch [in Giebel], 1866

Phaps chalcoptera

- LICE: *Campanulotes flavus* (Rudow, 1869)
Coloceras grande Tendeiro, 1973
Columbicola angustus (Rudow, 1869)
Physconelloides strangeri Tendeiro, 1980

LOUSE-FLIES: *Ornithomya nigricornis* Erichson, 1842

Phaps chalcoptera chalcoptera

- LICE: *Columbicola tasmaniensis* Tendeiro, 1967
Physconelloides australiensis Tendeiro, 1969

Phaps elegans

- LICE: *Campanulotes elegans* (Tendeiro, 1978)
Coloceras sp.
Columbicola tasmaniensis Tendeiro, 1967
Physconelloides australiensis Tendeiro, 1969

LOUSE-FLIES: *Ornithomya nigricornis* Erichson, 1842

Ocyphaps lophotes

- LICE: *Campanulotes durdeni* Price, Clayton & Adams, 2000
Coloceras sp.
Columbicola mckeani Tendeiro, 1973

FLEAS: *Echidnophaga gallinacea* (Westwood, 1875)

Geophaps plumifera

- LICE: *Coloceras* sp.
Columbicola sp.

Ptilinopus magnificus magnificus, Ptilinopus magnificus assimilis

LICE: *Columbicola harrisoni* Tendeiro, 1965

Lopholaimus antarcticus

LICE: *Coloceras furcatum* (Kéler, 1939)

Hemiphaga novaeseelandiae novaeseelandiae

- LICE: *Hohorstiella* sp.
Coloceras novaeseelandiae (Tendeiro, 1972)

Hemiphaga novaeseelandiae chathamensis

LICE: *Coloceras harrisoni* (Tendeiro, 1972)

Hemiphaga novaeseelandiae spadicea

- LICE: *Coloceras hemiphagae* (Tendeiro, 1972)
Coloceras restinctum (Tendeiro, 1972)

Table 1. Genera of lice associated with families of birds.

| | SUB-ORDERS AND GENERA OF LICE | |
|------------------------|--|--|
| | Amblycera | Ischnocera |
| Charadriiformes | | |
| Jacaniidae | | <i>Rallicola</i> , <i>Saemundssonina</i> |
| Chionididae | <i>Actornithophilus</i> | <i>Quadriceps</i> , <i>Saemundssonina</i> |
| Haematopodidae | <i>Actornithophilus</i> | <i>Quadriceps</i> , <i>Saemundssonina</i> |
| Recurvirostridae | <i>Austromenopon</i> | <i>Quadriceps</i> , <i>Saemundssonina</i> |
| Charadriidae | <i>Actornithophilus</i> , <i>Austromenopon</i> | <i>Quadriceps</i> , <i>Saemundssonina</i> |
| Scolopacidae | | |
| Tringinae | <i>Actornithophilus</i> , <i>Austromenopon</i> | <i>Carduiceps</i> , <i>Luniceps</i> , <i>Saemundssonina</i> |
| Arenariinae | <i>Actornithophilus</i> , <i>Austromenopon</i> | <i>Quadriceps</i> |
| Calidrininae | <i>Actornithophilus</i> | <i>Carduiceps</i> , <i>Luniceps</i> , <i>Saemundssonina</i> |
| Glareolidae | <i>Actornithophilus</i> , <i>Austromenopon</i> | <i>Quadriceps</i> |
| Laridae | <i>Actornithophilus</i> , <i>Austromenopon</i> | <i>Haffneria</i> , <i>Quadriceps</i> , <i>Saemundssonina</i> |
| Columbiformes | | |
| Columbidae | <i>Bonomiella</i> , <i>Colpocephalum</i> , <i>Hohorstiella</i> | <i>Campanulotes</i> , <i>Coloceras</i> , <i>Columbicola</i> , <i>Physconelloides</i> |