

THE SPECIES OF MALLOPHAGA
FOUND ON
NORTH AMERICAN BIRDS
(NORTH OF MEXICO)

by

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PREFACE

Part IV is a ready reference, to the known species of Mallophaga found on birds of North America (North of Mexico), as recorded in Parts I and II.

Classification for the birds is from the A.O.U. Checklist, Fifth Edition, even though some host names have been changed in later actions by the A.O.U. All birds listed in the A.O.U. Checklist were considered in compilation of this publication. Exotic species which have successfully introduced have also been included.

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GAVIIFORMES

The genus Craspedonirmus Thompson, 1940 (Ann. Mag. Nat. Hist., (11), 6:516) is found only on this order of birds. No other genus is known or suspected to parasitize this order of birds. For a discussion of the genus see Emerson, 1955, (Ann. Mag. Nat. Hist., (12), 8:718).

Gavidae

Gavia immer (Brünnich)--Common Loon.

Craspedonirmus immer Emerson, 1955

Craspedonirmus immer Emerson, 1955, Ann. Mag. Nat. Hist., (12) 8:720.

Gavia arctica (Linnaeus)--Arctic Loon.

Craspedonirmus colymbinus (Denny, 1842)

Type host: Gavia stellata (Pontoppidan).

Gavia stellata (Pontoppidan)--Red-throated Loon.

Craspedonirmus colymbinus (Denny, 1842)

Docophorus colymbinus Denny, 1842. Mon. Anopl.

Brit.: 43 and 80, pl. 8, fig. 8.

Nirmus frontatus Nitzsch, 1866. In Giebel.

Z. ges. NatWiss., 28:378.

Docophorus bisetosus Piaget, 1885. Les Pediculines,

Supplement: 17, pl. 2, fig. 6.

Docophorus graviceps Kellogg, 1896. Proc. Calif.

Acad. Sci., 6:82, pl. 3, fig. 3.

Docophorus atricolor Kellogg, 1896. Proc. Calif.

Acad. Sci., 6:93, pl. 3, fig. 9.

PODICIPITIFORMES

The genus Aquanirmus Clay and Meinertzhagen, 1939 (Entomologist, 72:163) is found only on this order of birds. For a discussion of the genus see Edwards, 1965 (Canad. Ent., 97:920).

The genus Pseudomenopon Mjöberg, 1910 (Ark. Zool. 6:50) is also found on the Aramidae and Rallidae, order Gruiformes; and Jacanidae, order Charadriiformes. For a limited discussion of the genus Pseudomenopon see Lucinska, 1969 (Bull. Ent. Polon., 39:355).

The genus Laemobothrion Nitzsch, 1818 (Mag. Ent. Germar, 3:301) is also found in North America on the order Falconiformes, and the Aramidae and Rallidae, order Gruiformes.

Podicipitidae

Podiceps grisegena (Boddaert)--Red-necked Grebe

Aquanirmus emersoni Edwards, 1965

Aquanirmus emersoni Edwards, 1965. Canad. Ent.,
97:928, figs. 2, 3 and 4.

Pseudomenopon stuchlyi Lucinska, 1969

Pseudomenopon stuchlyi Lucinska, 1969. Bull. Ent.
Polon., 39:364, figs. 21-24.

Podiceps auritus (Linnaeus)--Horned Grebe

Aquanirmus bucomfishi Edwards, 1965

Aquanirmus bucomfishi Edwards, 1965. Canad. Ent.,
97:931, figs. 1, 2 and 4.

Pseudomenopon janiszewskae Lucinska, 1969

Pseudomenopon janiczewskae Lucinska, 1969. Bull.
Ent. Polon., 39:365, figs. 25-28.

Podiceps caspicus (Hablizl)--Eared Grebe

Aquanirmus americanus (Kellogg and Chapman, 1899)

Nirmus fuscomarginatus americanus Kellogg and
Chapman, 1899. Proc. Calif. Acad. Sci., 6:69,
pl. 5, fig. 9.

Laemobothrion simile Kellogg, 1896

Laemobothrion similis Kellogg, 1896. Proc. Calif.
Acad. Sci., 6:153, pl. 14, figs. 1 and 2.

Pseudomenopon insolens (Kellogg, 1896)

Menopon tridens insolens Kellogg, 1896. Proc.
Calif. Acad. Sci., 6:166, pl. 15, figs. 3 and 4.

Podiceps dominicus (Linnaeus)--Least Grebe

Aquanirmus bahi chamberlini Edwards, 1965

Aquanirmus bahi chamberlini Edwards, 1965. Canad.
Ent., 97:931, figs. 2 and 4.

Aechmophorus occidentalis (Lawrence)--Western Grebe

Aquanirmus occidentalis Edwards, 1965

Aquanirmus occidentalis Edwards, 1965. Canad.

Ent., 97:928, figs. 2, 4 and 5.

Pseudomenopon par (Kellogg, 1896)

Menopon tridens par Kellogg, 1896. Proc. Calif.

Acad. Sci., 6:166.

Podilymbus podiceps (Linnaeus)--Pied-billed Grebe

Aquanirmus podilymbus Edwards, 1965

Aquanirmus podilymbus Edwards, 1965. Canad.

Ent., 97:928, figs. 2 and 4.

PROCELLARIIFORMES

The genus Ancistrona Westwood, 1874 (Thesaurus Entomologicus Oxoniensis: 197) is apparently restricted to Procellariidae and Hydrobatidae.

The genus Bedfordiella Thompson, 1937 (Ann. Mag. Nat. Hist., (10), 20:434) is found on Hydrobatidae, but has not been recorded from the hosts listed in the A.O.U. Checklist.

The genus Docophoroides Giglioli, 1864 (Quart. J. Micr. Sci., 4:21) is restricted to Diomedeidae. For a discussion of the genus see Timmermann, 1959, (Mitt. Zool. Mus. Berlin, 35:56).

The genus Episbates Harrison, 1935 (In Thompson, Ann. Mag. Nat. Hist., (10), 16:485) is apparently restricted to Diomedeidae. For a discussion of the genus see Thompson, 1947, (Ann. Mag. Nat. Hist., (11), 14:661).

The genus Halipeurus Thompson, 1936 (Ann. Mag. Nat. Hist., (10), 18:40) is found on Procellariidae and Hydrobatidae. For discussions of this genus see Edwards, 1961, (Jour. Parasit., 47:125); and Timmermann, 1960, (Z. Parasit., 20:317; and 1961, 20:401).

The genus Harrisoniella Bedford, 1929 (Rept. Vet. Res. S. Afr., 15:529) is found on Diomedeidae. For a discussion of the genus see Keler, 1957, (Beitr. Ent., 7:496). The genus Harrisoniella is referred to in the above mentioned paper as Diomedicola.

The genus Longimenopon Thompson, 1948 (Occ. Pap. Bishop. Mus., 19:197) is found on Procellariidae and Hydrobatidae. For a discussion of the genus see Timmermann, 1957, (Results of the Norwegian Sci., Exped. to Tristan da Cunha, 1937-1938, No. 41:7).

The genus Naubates Bedford, 1930 (Rep. Vet. Res. S. Afr., 16:167) is found on Diomedeidae and Procellariidae. For a discussion of the genus see Timmermann, 1961, (Zool. Anz., 166:173).

The genus Paraclisis Timmermann, 1965 (Abh. Verh. Naturw. Ver. Hamburg, (N.F.), 8, Supplement:96) is found on Diomedeidae. Keler in 1956, (Beitr. Ent., 6:521; 1957, 7:281; and 1958, 8:379) discussed a taxon which he incorrectly considered to be the genus Harrisoniella. This taxon is now known as Paraclisis.

The genus Perineus Harrison, 1936 (In Thompson, Ann. Mag. Nat. Hist., (L0), 18:41) is found on Diomedeidae and Procellariidae. For a discussion of the genus see Keler, 1957 (Beitr. Ent., 7:493).

The genus Philoceanus Kellogg, 1903 (Biol. Bull. Wood's Hole, 5:87) is found on Hydrobatidae. For a discussion of the genus see Timmermann, 1961, (Z. Parasit., 20:525).

The genus Procellariphaga Eichler, 1949 (Boll. Soc. Ent., Ital., 79:12) is restricted to this order. No comprehensive study of the genus has been made. Clay, 1959 (Proc. R. Ent. Soc. Lond., (B), 28:157) considers the genus to be a synonym of Austromenopon. I do not consider the two to be congeneric. Both genera, as presently defined, include several taxa which probably warrant generic or subgeneric rank.

The genus Pseudonirmus Mjöberg 1910 (Ark. Zool., 6:149) is found on Procellariidae. For a discussion of the genus see Thompson, 1939, (Ann. Mag. Nat. Hist., (11), 3:114).

The genus Saemundssonina Timmermann, 1935 (Zool. Anz., 114:97) is found on the families of Procellariidae and Hydrobatidae, order Procellariiformes; the family Phaethontidae, order Pelecaniformes; the family Gruidae, order Gruiformes, and the order Charadriiformes.

The genus Trabeculus Rudow, 1866 (Z. ges. NatWiss., 27: 466) is apparently restricted to Procellariidae. For a discussion of the genus see Timmermann, 1959, (Z. Parasit., 19:485).

Diomedeidae

Diomedea albatrus Pallas--Short-tailed Albatross

Docophoroidae pacificus pacificus (Kellogg, 1914)

"Eurymetopus taurus" Kellogg, 1896 (*nec* Nitzsch, 1866).
Proc. Calif. Acad. Sci., 6:135, pl. 2, figs. 2-6.

Eurymetopus pacificus Kellogg, 1914. Sci. Bull.

Brooklyn Inst., 2:87. (*nn* for "E. taurus" Kellogg, 1896).

Episbates pederiformis (Dufour, 1835)

(Type host: Diomedea exulans Linnaeus)

Philopterus pederiformis Dufour, 1835. Ann. Soc. Ent.
Fr., 4:676, pl. 21, fig. 4.

Metopeuron laevis Rudow, 1870. Z. ges NatWiss., 35:
140.

Nirmus angulicollis Giebel, 1876. Ann. Mag. Nat.
Hist., (4), 17:388.

Lipeurus breviceps Piaget, 1890 (*nec* Piaget, 1880).
Tijdschr. Ent., 33:243, pl. 9, fig. 6.

Lipeurus macilhennyi Kellogg and Kuwana, 1901. Proc.
Acad. Nat. Sci. Philad., 1900:155, pl. 7, fig. 3.

Lipeurus elongatus Müller, 1927, Ber. Westpreuss.
Bot.-Zool. Ver., 49:2 (*nn* for L. breviceps Piaget,
1890).

Harrisoniella densa (Kellogg, 1896)

Lipeurus densus Kellogg, 1896. Proc. Calif. Acad.
Sci., 6:114, pl. 7, figs. 1-2.

Paraclisis confidens (Kellogg, 1899)

(Type host: Diomedea nigripes Audubon)

Paraclisis giganticola (Kellogg, 1896)

Nirmus giganticola Kellogg, 1896. Proc. Calif.
Acad. Sci., 6:105, pl. 5, fig. 6.

Perineus concinnus (Kellogg and Chapman, 1899)

Lipeurus concinnus Kellogg and Chapman, 1899. Occ.
Pap. Calif. Acad. Sci., 6:97, pl. 7, fig. 2.

- Procellariphaga navigans (Kellogg, 1896)
Menopon navigans Kellogg, 1896. Proc. Calif. Acad. Sci., 6:144, pl. 12, fig. 4.
Menopon irrumpens Kellogg and Chapman, 1899. Occ. Pap. Calif. Acad. Sci., 6:117, pl. 8, fig. 1.
- Procellariphaga pinguis (Kellogg, 1896)
Colpocephalum pingue Kellogg, 1896. Proc. Calif. Acad. Sci., 6:144, pl. 12, fig. 4.
Menopon petulans Kellogg and Chapman, 1899. Occ. Pap. Calif. Acad. Sci., 6:121, pl. 8, fig. 3.
- Diomedea nigripes Audubon--Black-footed Albatross
Docophoroides niethammeri niethammeri Timmermann, 1969
Docophoroides niethammeri Timmermann, 1969. Bonn. Zool. Beitr., 20:245, fig. 1b.
- Docophoroides pacificus ferrisi Harrison, 1937
Docophoroides ferrisi Harrison, 1937. Sci. Rept. Austral. Antarctic Exped., C2, Pt. I:44, fig. 7.
- Episbates pederiformis (Dufour, 1835)
(Type host: Diomedea exulans Linnaeus).
- Harrisoniella copei Timmermann, 1969
Harrisoniella copei Timmermann, 1969. Bonn. Zool. Beitr., 20:247, figs. 2a and 3.
- Paraclisis confidens (Kellogg, 1899)
Lipeurus confidens Kellogg, 1899. Occ. Pap. Calif. Acad. Sci., 6:26, pl. 3, fig. 1.
Perineus macropleuralis Eichler, 1949. Rev. Brasil. Biol., 9:343, figs. 11-13.
- Procellariphaga pinguis (Kellogg, 1896)
(Type host: Diomedea albatrus Pallas).
- Diomedea immutabilis Rothschild--Laysan Albatross
Docophoroides niethammeri exiguus Timmermann, 1969
Docophoroides niethammeri exiguus Timmermann, 1969. Bonn. Zool. Beitr., 20:246.

Episbates pederiformis (Dufour, 1835)
(Type host: Diomedea exulans Linnaeus).

Harrisoniella densa (Kellogg, 1896)
(Type host: Diomedea albatrus Pallas).

Paraclisis giganticola (Kellogg, 1896)
(Type host: Diomedea albatrus Pallas).

Perineus tenuipenalis Keler, 1958
Perineus tenuipenalis Keler, 1958. Beitr. Ent.,
8:384, fig. 1.

Procellariphaga pinguis (Kellogg, 1896)
(Type host: Diomedea albatrus Pallas).

Diomedea melanophris Temminck--Black-browed Albatross
Docophoroides harrisoni Waterston, 1917
Docophoroides harrisoni Waterston, 1917. Ent.
Mon. Mag. (3), 3:99, fig. (Pacific Ocean Area).

Docophoroides simplex (Waterston, 1914)
Eurymetopus simplex Waterston, 1914. Ann. S. Afr.
Mus., 10:302, fig. 2. (Atlantic Ocean Area).

Episbates pederiformis (Dufour, 1835)
(Type host: Diomedea exulans Linnaeus).

Harrisoniella ferox (Giebel, 1867)
Lipeurus ferox Giebel, 1867. Z. ges. NatWiss.,
29:195.

Naubates fuliginosus (Taschenberg, 1882)
(Type host: Diomedea exulans Linnaeus or
Diomedea chlororhynchos Gmelin).

Paraclisis diomedae (J. C. Fabricius, 1775)
Pediculus diomedea J. C. Fabricius, 1775. Syst. Ent.:
808.
Lipeurus meridionalis Rudow, 1869. Beitr. Kenntn.
Malloph. : 32.
Lipeurus tricolor Piaget, 1880. Les Pediculines: 363,
pl. 30, fig. 4.

Lipeurus lepturus Enderlein. Dtsch. Südpolar Exped.,
10 (Zool. 2): 453, pl. 62, figs. 200-202 and 209.
Perineus enderleini Eichler, 1949. Rev. Brasil. Biol.,
9:342, figs. 8-10.

Perineus circumfasciatus Keler, 1957
Perineus circumfasciatus Keler, 1957. Beitr. Ent.,
7:525, figs. 29 and 30.

Procellariphaga navigans (Kellogg, 1896)
(Type host: Diomedea albatrus Pallas).

Procellariphaga pinguis (Kellogg, 1896)
(Type host: Diomedea albatrus Pallas).

Diomedea cauta Gould--White-capped Albatross

Docophoroides brevis (Dufour, 1835)
Philopterus brevis Dufour, 1835. Ann. Soc. Ent. Fr.,
4:674, pl. 21, fig. 3.
Lipeurus taurus Nitzsch, 1866. In Giebel, Z. ges.
NatWiss., 28:385.
Docophorus tonsus Rudow, 1869. Beitr. Kenntn.
Malloph.: 13.
Docophorus thoracicus Nitzsch, 1874. In Giebel,
Insecta Epizoa: 113.
Docophorus dentatus Giebel, 1876. Ann. Mag. Nat.
Hist., (4), 17:388.
(Type host: Diomedea exulans Linnaeus) (Atlantic
Ocean Area).

Docophoroides harrisoni Waterston, 1917
(Type host: Diomedea melanophris Temminck)
(Pacific Ocean Area).

Paraclisis diomedea (J. C. Fabricius, 1775)
(Type host: Diomedea melanophris Temminck).

Procellariphaga affine (Piaget, 1890)
Menopon affinis Piaget, 1880. Tijdschr. Ent., 33:248,
pl. 10, fig. 3.
(Type host: Diomedea exulans Linnaeus).

Procellariphaga navigans (Kellogg, 1896)
(Type host: Diomedea albatrus Pallas).

Diomedea chlorohynchos Gmelin--Yellow-nosed Albatross
Docophoroides simplex (Waterston, 1914)
(Type host: Diomedea melanophris Temminck).

Naubates fuliginosus (Taschenberg, 1882)
Lipeurus fuliginosus Taschenberg, 1882. Nova Acta
Leop. -Carol., 44:156, pl. 4, fig. 3.
(Type host: Diomedea exulans Linnaeus or Diomedea
chlorohynchos Gmelin).

Paraclisis diomedae (J. C. Fabricius, 1775)
(Type host: Diomedea melanophris Temminck).

Procellariidae

tion capensis (Linnaeus)--Cape Petrel

Ancistrona vagelli (J. C. Fabricius, 1787)

(Type host: Fulmarus glacialis (Linnaeus)).

Naubates fuliginosus (Taschenberg, 1882)

(Type host: Diomedea exulans Linnaeus or Diomedea chlorohynchus Gmelin).

Procellariphaga brevifimbriata (Piaget, 1880)

(Type host: Fulmarus glacialis (Linnaeus)).

Pseudonirmus gurlti (Taschenberg, 1882).

Lipeurus gurlti Taschenberg, 1882. Nova Acta Leop. - Carol., 44:151, pl. 5, fig. 6.

Saemundssonsonia stammeri Timmermann, 1959

Saemundssonsonia stammeri Timmermann, 1959. Zool. Anz., 162:149, fig. 2.

maris glacialis (Linnaeus)--Fulmar

Ancistrona vagelli (J. C. Fabricius, 1787)

Pediculus vagelli J. C. Fabricius, 1787. Mantissa Ins.: 369.

Menopon giganteum Rudow, 1869. Z. ges. NatWiss., 27:403.

Ancistrona gigas Piaget, 1883. Tijdschr. Ent., 26:152, pl. 9, fig. 1.

Perineus nigrolimbatus (Giebel, 1874)

Lipeurus nigrolimbatus Giebel, 1874. Insecta Epizoa: 233.

Lipeurus mutabilis Piaget, 1880. Les Pediculines: 324, pl. 27, fig. 1.

Lipeurus varius Kellogg, 1896. Proc. Calif. Acad. Sci., 6:116, pl. 7, figs. 3 and 4.

Lipeurus celer Kellogg, 1896. Proc. Calif. Acad. Sci., 6:117, pl. 7, figs. 5 and 6.

- Procellariphaga brevifimbriata (Piaget, 1880)
Menopon brevifimbriatum Piaget, 1880. Les
Pediculines: 499, pl. 41, fig. 1.
Menopon numerosum Kellogg, 1896. Proc. Calif.
Acad. Sci., 6:159, pl. 15, fig. 1.
Procellariphaga daptionis Eichler, 1949. Rev.
Brasil. Biol., 9:344, figs. 21-23.
Austromenopon oscheli Timmermann, 1963. Z.
Parasit., 22:412, fig. 6.
- Saemundssonina occidentalis (Kellogg, 1896)
Docophorus occidentalis Kellogg, 1896. Proc. Calif.
Acad. Sci., 6:89, pl. 3, fig. 7.
- Adamaster cinereus (Gmelin)--Black-tailed Shearwater
Halipeurus angusticeps (Piaget, 1880)
Lipeurus angusticeps Piaget, 1880. Les Pediculines:
306, p. 25, fig. 4.
- Naubates fuliginosus (Taschenberg, 1882)
(Type host: Diomedea exulans Linnaeus or Diomedea
chlororhynchos (Gmelin)).
- Procellariphaga longithoracica (Piaget, 1880)
Menopon longithoracicum Piaget, 1880.
Les Pediculines: 500, pl. 41, fig. 5.
- Trabeculus hexakon (Waterston, 1914)
Giebelia hexakon Waterston, 1914. Ann. S. Afr. Mus.,
10:291, pl. 25, figs. 7, 11 and pl. 26, fig. 4.
(Type host: Procellaria aequinoctialis Linnaeus).
- Puffinus diomedea (Scopoli)--Cory's Shearwater
Ancistrona vagelli (J. C. Fabricius, 1787)
(Type host: Fulmarus glacialis (Linnaeus)).
- Halipeurus abnormis (Piaget, 1885)
(Type host: Puffinus gravis (O'Reilly))
- Procellariphaga echinata Edwards, 1960
Austromenopon echinatum Edwards, 1960. Canad.
Ent., 92:817, fig. 1.

- Saemundssonina peusi (Eichler, 1949)
Puffinoecus peusi Eichler, 1949. Boll. Soc. Ent.
Ital., 79:12.
- Puffinus creatopus Coues--Pink-footed Shearwater
Ancistrona vagelli (J. C. Fabricius, 1787)
(Type host: Fulmarus glacialis (Linnaeus)).
- Halipeurus priapulus Timmermann, 1961
(Type host: Puffinus carneipes Gould).
- Naubates harrisoni Bedford, 1930
(Type host: Puffinus gravis (O'Reilly)).
- Saemundssonina creatopae Carriker, 1964
Saemundssonina creatopae Carriker, 1964. Pub. Centro
Estudios Entomologicos, no. 6:14, figs. 11-13.
- Trabeculus hexakon (Waterston, 1914)
(Type host: Procellaria aequinoctialis Linnaeus).
- Puffinus carneipes Gould--Pale-footed Shearwater
Halipeurus priapulus Timmermann, 1961
Halipeurus priapulus Timmermann, 1961. Zeitr.
Parasit., 20:406, fig. 3.
Halipeurus micariproctus Edwards, 1961. J. Parasit.,
47:148, figs. 3L-7L.
- Naubates harrisoni Bedford, 1930
(Type host: Puffinus gravis (O'Reilly)).
- Procellariphaga paulula (Kellogg and Chapman, 1899)
(Type host: Puffinus opisthomelas Coues).
- Puffinus gravis (O'Reilly)--Great Shearwater
Ancistrona vagelli (J. C. Fabricius, 1787)
(Type host: Fulmarus glacialis (Linnaeus)).
- Halipeurus abnormis (Piaget, 1885)
Lipeurus abnormis Piaget, 1885. Les Pediculines,
Supplement: 65, pl. 7, fig. 2.

- Halipeurus gravis Timmermann, 1961
Halipeurus gravis Timmermann, 1961. Zeitr. Parasit.,
20:405, fig. 2.
- Naubates harrisoni Bedford, 1930
Lipeurus fuliginosus major Kellogg and Chapman, 1899
(nec Piaget, 1880). Occ. Pap. Calif. Acad. Sci.,
6:101, pl. 7, fig. 3.
Naubates harrisoni Bedford, 1930. Rept. Vet. Res. S.
Afr., 16:168, figs. 12, 14 and 16b.
- Procellariphaga paulula (Kellogg and Chapman, 1899)
(Type host: Puffinus opisthomelas Coues).
- Trabeculus hexakon (Waterston, 1914)
(Type host: Procellaria aequinoctialis Linnaeus).
- Puffinus pacificus (Gmelin)--Wedge-tailed Shearwater
Halipeurus mirabilis Thompson, 1940
Halipeurus mirabilis Thompson, 1940. Ann. Mag.
Nat. Hist., (11), 5:499, figs. 1-5.
- Longimenopon puffinus Thompson, 1940
Longimenopon puffinus Thompson, 1940
Occ. Pap. Bishop Mus., 19:197, figs. 1a-d.
- Naubates harrisoni Bedford, 1930
(Type host: Puffinus gravis (O'Reilly)).
- Saemundssonina puellula Timmermann, 1965
Saemundssonina puellula Timmermann, 1965. Abh. Verh.
Naturw. Ver. Hamburg, (N.F.), 8, Supplement: 82.
- Trabeculus hexakon (Waterston, 1914)
(Type host: Procellaria aequinoctialis Linnaeus).
- Puffinus bulleri Salvin--New Zealand Shearwater
Halipeurus thompsoni Edwards, 1961
Halipeurus thompsoni Edwards, 1961. J. Parasit.,
47:147, figs. 3K-7K.
- Naubates harrisoni Bedford, 1930
(Type host: Puffinus gravis (O'Reilly)).

Puffinus griseus (Gmelin)--Sooty Shearwater

Ancistrona vagelli (J. C. Fabricius, 1787)

(Type host: Fulmarus glacialis (Linnaeus)).

Halipeurus diversus (Kellogg, 1896)

Lipeurus diversus Kellogg, 1896. Proc. Calif. Acad. Sci., 6:123, pl. 8, figs. 3 and 4.

Lipeurus limitatus Kellogg, 1896. Proc. Calif. Acad. Sci., 6:124, pl. 8, figs. 5 and 6.

Esthiopterum constrictiventre Pessoa and Guimaraes, 1935. Ann. Fac. Med. S. Paulo, 2:313, figs. 6 and 7.

Halipeurus hanaki Balat, 1958. Prace Brn. Zakl. Ceskosl. Akad. Ved., 30:415.

Procellariphaga paulula (Kellogg and Chapman, 1899)

Menopon paululum Kellogg and Chapman, 1899. Occ. Pap. Calif. Acad. Sci., 6:119, pl. 8, fig. 2.

Menopon petulans Kellogg and Chapman, 1899. Occ. Pap. Calif. Acad. Sci., 6:121, pl. 8, fig. 3.

Austromenopon fraterculae Timmermann, 1954. Bonn. Zool. Beitr., 5:198.

Austromenopon pierkarskii Timmermann, 1963. Zeitr. Parasit., 22:417, fig. 9.

Trabeculus hexakon (Waterston, 1914)

(Type host: Procellaria aequinoctialis Linnaeus).

Puffinus tenuirostris (Temminck)--Slender-billed Shearwater

Ancistrona vagelli (J. C. Fabricius, 1787)

(Type host: Fulmarus glacialis (Linnaeus)).

Halipeurus diversus (Kellogg, 1896)

(Type host: Puffinus griseus (Gmelin)).

Procellariphaga paulula (Kellogg and Chapman, 1899)

(Type host: Puffinus griseus (Gmelin)).

Trabeculus hexakon (Waterston, 1914)

(Type host: Procellaria aequinoctialis (Linnaeus)).

Puffinus puffinus (Brünnich)--Manx Shearwater

Ancistrona vagelli (J. C. Fabricius, 1787)

(Type host: Fulmarus glacialis (Linnaeus)).

Halipeurus diversus (Kellogg, 1896)

(Type host: Puffinus griseus (Gmelin).

Procellariphaga paulula (Kellogg and Chapman, 1899)

(Type host: Puffinus griseus (Gmelin).

Saemundssonina kosswigi Timmermann, 1962.

Saemundssonina kosswigi Timmermann, 1962. Zeitr.
Parasit., 21:426, figs. 1 and 2.

Trabeculus aviator (Evans, 1912)

Docophorus aviator Evans, 1912. Proc. R. Phys. Soc.
Edinb., 12:270, fig. 4.

Mackayia dimorpha Waterston, 1912. Scot. Nat.: 252,
figs. 1-4.

Puffinus opisthomelas Coues--Black-vented Shearwater*

Ancistrona vagelli (J. C. Fabricius, 1787)

(Type host: Fulmarus glacialis (Linnaeus).

Halipeurus spadix Timmermann, 1961

Halipeurus spadix Timmermann, 1961. Zeitr.
Parasit., 20:409, fig. 7.

Halipeurus intestatus Timmermann, 1961. Zeitr.
Parasit., 20:410.

Halipeurus taxosetus Edwards, 1961. J. Parasit.,
47:145, figs. 3H-7H.

Naubates harrisoni Bedford, 1930

(Type host: Puffinus gravis (O'Reilly).

Procellariphaga paulula (Kellogg and Chapman, 1899)

(Type host: Puffinus griseus (Gmelin).

Saemundssonina validae (Kellogg and Chapman, 1899)

Docophorus validus Kellogg and Chapman, 1899. Occ.
Pap. Calif. Acad. Sci., 6:56, pl. 5, fig. 2.

* The Mallophaga do not support the A.O.U. position that this is a subspecies of Puffinus puffinus (Brünnich).

Trabeculus mirabilis (Kellogg, 1896)

Giebelia mirabilis Kellogg, 1896. Proc. Calif. Acad. Sci., 6:138, pl. 11, figs. 7-8.

Puffinus assimilis Gould--Little Shearwater

Halipeurus mundaе Edwards, 1961

Halipeurus mundaе Edwards, 1961. J. Parasit., 47:149, figs. 3N-7N.

Puffinus lherminieri Lesson--Audubon's Shearwater

Halipeurus spadix Timmermann, 1961

(Type host: Puffinus opisthomelas Coues).

Procellariphaga narboroughi (Kellogg and Kuwana, 1902)

Menopon narboroughi Kellogg and Kuwana, 1902. Proc. Wash. Acad. Sci., 4:485, pl. 31, fig. 2.

Procellariphaga paulula (Kellogg and Chapman, 1899)

(Type host: Puffinus griseus (Gmelin)).

Saemundssonina minor (Kellogg and Kuwana, 1902)

Docophorus validus minor Kellogg and Kuwana, 1902. Proc. Wash. Acad. Sci., 4:460.

Trabeculus mirabilis (Kellogg, 1896)

(Type host: Puffinus opisthomelas (Coues)).

Petrodroma inexpectata (Forster)--Scaled Petrel

Halipeurus consimilis Timmermann, 1960

Halipeurus consimilis Timmermann, 1960. Zeitr. Parasit., 20:326, fig. 9.

Naubates pterodromi Bedford, 1930

(Type host: Pterodroma macroptera (Smith))

Naubates pterodromi Bedford, 1930. Rep. Vet. S. Afr., 16:170, figs. 10 and 13.

Procellariphaga elliotti (Timmermann, 1954)

Austromenopon elliotti Timmermann, 1954.

Bonn. Zool. Beitr., 5:205, fig. 19.

(Type host: Pelecanoides urinatrix Gmelin).

Procellariphaga popella (Piaget, 1890)

Menopon popellus Piaget, 1890. Tijdschr. Ent.,
33:251, pl. 10, fig. 5.

(Type host: unknown).

Trabeculus achilingi Rudow, 1866

(Type host: Pterodroma mollis (Gould))

Trabeculus schillingi Rudow, 1866. Z. ges.
NatWiss., 27:467.

Cecalymenus oestrelatae Enderlein, 1917. Zool.
Anz., 49:243, fig. 2-4.

Pterodroma arminioniana (Giglioli and Salvadori)--South Trinidad
Petrel

Ancistrona vagelli (J. C. Fabricius, 1787)

(Type host: Fulmarus glacialis (Linnaeus)).

Halipeurus kermadecensis (Johnston and Harrison, 1912)

Lipeurus kermadecensis Johnston and Harrison, 1912.
Trans. N. Z. Inst., 44:365, fig. 1.

(Type host: Pterodroma neglecta (Schlegel)).

Naubates pterodromi Bedford, 1930

(Type host: Pterodroma macroptera (Smith)).

Trabeculus fuscoclypeatus (Johnston and Harrison, 1912)

Philopterus fuscoclypeatus Johnston and Harrison,
1912. Trans. N. Z. Inst., 44:368, fig. 4.

Pterodroma cookii (Gray)--Cook's Petrel

Halipeurus leucophryna Timmermann, 1960

Halipeurus leucophryna Timmermann, 1960. Zeitr.
Parasit., 20:327, fig. 10.

Halipeurus accentor Edwards, 1961. J. Parasit.,
47:151, figs. 3R-7R.

(Type host: Pterodroma leucoptera (Gould)).

Hydrobatidae

Pelagodroma marina (Latham)--White-faced Petrel

Ancistrona vagelli (J. C. Fabricius, 1787)

(Type host: Fulmarus glacialis (Linnaeus)).

Halipeurus pelagicus (Denny, 1842)

Lipeurus pelagicus Denny, 1842. Mon. Anopl. Brit.:
58 and 173, pl. 14, fig. 2.

Nirmus procellariae Denny, 1852. List Brit. Animals
in Brit. Mus., pt. II, Anoplura: 26 (nn for L.
pelagicus Denny, 1842).

Lipeurus subangusticeps Piaget, 1880. Les Pediculines:
308, pl. 25, fig. 5.

Lipeurus languidus Kellogg and Kuwana, 1902. Proc.
Wash. Acad. Sci., 4:475, pl. 28, fig. 8.

Lipeurus exiguus Kellogg and Kuwana, 1902. Proc.
Wash. Acad. Sci., 4:479, pl. 30, fig. 2.
(Type host: Hydrobates pelagicus Linnaeus).

Longimenopon galeatum Timmermann, 1957

Longimenopon galeatum Timmermann, 1957. Results
Norwegian Sci. Exped. Tristan da Cunha 1937-1938,
no. 41: 9, figs. 2c, 6 and 7.

Procellariphaga enigki Timmermann, 1963

Austromenopon enigki Timmermann, 1963. Zeitr.
Parasit., 22:425, fig. 14.

Saemundssonina marina Timmermann, 1956

Saemundssonina marina Timmermann, 1956. Bonn.
Zool. Beitr., 7:191, fig. 6.

Oceanodroma furcata (Gmelin)--Fork-tailed Petrel

Halipeurus pelagicus Denny, 1842

(Type host: Hydrobates pelagicus Linnaeus).

Philoceanus annuliventris (Uchida, 1917)

Lipeurus annuliventris Uchida, 1917. Annot. Zool.
Jap., 99:206, fig. 2.

Oceanodroma leucorhoa (Vieillot)--Leach's Petrel

Halipeurus pelagicus (Denny, 1842)

(Type host: Hydrobates pelagicus Linnaeus).

Philoceanus amadoni Timmermann, 1961

(Type host: Loomelania melania Bonaparte).

Saemundssonina thalassodromae (Denny, 1842)

(Type host: Hydrobates pelagicus Linnaeus)

Docophorus thalassidromae Denny, 1842. Mon.

Anopl. Brit.: 47 and 103, pl. 2, fig. 6.

Saemundssonina incisa Timmermann, 1950. Fauna
Islandica, 2:7.

Oceanodroma homochroa (Coues)--Ashy Petrel

Halipeurus raphanus Timmermann, 1961

(Type host: Oceanodroma macrodactyla Bryant).

Philoceanus annuliventris (Uchida, 1917)

(Type host: Oceanodroma furcata (Gmelin)).

Oceanodroma macrodactyla Bryant--Guadalupe Petrel

Halipeurus raphanus Timmermann, 1961

Halipeurus raphanus Timmermann, 1961. Zeitr.
Parasit., 20:415, fig. 11.

Longimenopon dominicanum (Kellogg and Mann, 1912)

Colpocephalum dominicanum Kellogg and Mann, 1912.
Ent. News, 23:63.

Oceanodroma castro (Harcourt)--Harcourt's Petrel

Halipeurus pelagicus (Denny, 1842)

(Type host: Hydrobates pelagicus Linnaeus).

Oceanodroma tethys (Bonaparte)--Galapagos Petrel

Halipeurus pelagicus (Denny, 1842)

(Type host: Hydrobates pelagicus Linnaeus).

Philoceanus becki Kellogg, 1903

Philoceanus becki Kellogg, 1903. Biol. Bull. Wood's
Hole, 5:88, figs. 1 and 2.

- Loomelania melania (Bonaparte)--Black Petrel
Halipeurus pelagicus (Denny, 1842)
(Type host: Hydrobates pelagicus (Linnaeus)).
- Philoceanus amadoni Timmermann, 1961
Philoceanus amadoni Timmermann, 1961. Zeitr.
Parasit. 20:535, figs. 2 and 6.
- Halocyptena microsoma Coues--Least Petrel
Halipeurus pelagicus (Denny, 1842)
(Type host: Hydrobates pelagicus Linnaeus).
- Oceanites oceanicus (Kuhl)--Wilson's Petrel
Ancistrona vagelli (J. C. Fabricius, 1787)
(Type host: Fulmarus glacialis (Linnaeus)).
- Halipeurus pelagicus (Denny, 1842)
(Type host: Hydrobates pelagicus (Linnaeus)).
- Philoceanus robertsi (Clay, 1940)
Naubates robertsi Clay, 1940. Brit. Graham Land.
Exped., 1934-37, 1:313, figs. 9c, 10a, and 11b.
- Frëgetta tropica (Gould)--Black-bellied Petrel
Halipeurus pelagicus (Denny, 1842)
(Type host: Hydrobates pelagicus (Linnaeus)).
- Philoceanus fasciatus (Carriker, 1958)
Naubates fasciatus Carriker, 1958. Acta Zool.
Lilloana, 15:184, figs. 1-6.
Philoceanus wolfferrei Timmermann, 1961. Zeitr.
Parasit., 20:534.

PELECANIFORMES

The genus Austromenopon Bedford, 1939 (Onderstepoort J. Vet. Sci., 12:122) is found on Phaëthontidae and the order Charadriiformes. For a discussion of the species found on Phaëthontidae see Timmermann, 1954, (Bonn. Zool. Beitr., 5:195). The species found on Phaëthontidae probably warrant subgenus status.

The genus Colpocephalum Nitzsch, 1818 (Mag. Ent. Germar, 3:298) is found on several orders of birds. For a discussion of the species found on Pelecaniformes see Price and Beer, 1967, (Canad., 99:273).

The genus Eidmanniella Keler, 1938 (Ann. Mus. Zool. Polon., 13:81) is found on Sulidae and Phalacrocoracidae. It may be in the future on Anhingidae. For a discussion of the genus see Ryan and Price, 1969, (Ann. Ent. Soc. Amer., 62:815).

The genus Fregatiella Ryan and Price, 1969 (Ann. Ent. Soc. Amer., 62:823) is monotypic found on Fregatidae.

The genus Pectinopygus Mjöberg, 1910 (Ark. Zool., 6:95) is found on all families of the order except Phaëthontidae. Epipelecanus, Epifregata, and Philichthyophaga are recognizable as subgenera. For a discussion of the genus, see Thompson, 1935

(Ann. Mag. Nat. Hist., (10), 16:148); 1937 (Ann. Mag. Nat. Hist., (10), 20:538); 1940 (Ann. Mag. Nat. Hist., (11), 5:372 and 429); 1946 (Ann. Mag. Nat. Hist., (11), 13:767); and 1947 (Ann. Mag. Nat. Hist., (11), 14:317); and Clay, 1961 (Bull. Brit. Mus. (N. H.), Ent., 11:54).

The genus Piagetiella Neumann, 1906 (Bull. Soc. Zool. Fr., 20:60) is found on Pelecanidae and Phalacrocoracidae. Specimens of this genus normally inhabit the inside of the pouch. For a discussion of the genus see Price, 1970, (Canad. Ent., 102:389).

The genus Saemundssonina Timmermann, 1935 (Zool. Anz., 114:97) is found on Phaethontidae, order Pelecaniformes; Gruidae, order Gruiformes, and the order Charadriiformes. For a key to the species of Saemundssonina found on Phaethontidae see Timmermann, 1955, (Ann. Mag. Nat. Hist., (12), 8:516).

Phaethontidae

Phaethon aethereus Linnaeus--Red-billed Tropic-bird

Austromenopon beckii (Kellogg, 1906)

Menopon beckii Kellogg, 1906. Trans. Amer. Ent. Soc., 32:322.

Saemundssonina phaetona (Osborn, 1890)

Docophorus phaetonus Osborn, 1890. In Howard, Proc. U. S. Nat. Mus., 12:189.

Docophorus albemarlensis Kellogg and Kuwana, 1902. Proc. Wash. Acad. Sci., 4:465, pl. 28, fig. 5.

Phaethon lepturus Daudin--White-tailed Tropic-bird

Austromenopon miloni (Seguy, 1949)

Menopon miloni Seguy, 1949. Mem. Inst. Sci.,
Madagascar, 3A:165, figs. 1-2.

Saemundssonina uppalensis (Rudow, 1870)

Docophorus uppalensis Rudow, 1870. Z. ges. NatWiss.,
35:455.

Docophorus breviantennatus Piaget, 1880. Les
Pediculines: 108, pl. 9, fig. 9.

Philopterus phaetophonus Seguy, 1949. Mem. Inst.
Sci., Madagascar, 3A:168, figs. 6-8.

Phaethon rubicauda Boddaert--Red-tailed Tropic-bird

Saemundssonina hexagona (Giebel, 1874)

Docophorus hexagonus Giebel, 1874. Insecta
Epizoa: 116.

Pelecanidae

Pelecanus erythrorhynchos Gmelin--White Pelican

Colpocephalum unciferum Kellogg, 1896

Colpocephalum unciferum Kellogg, 1896. Proc.
Calif. Acad. Sci., 6:140, pl. 12, figs. 1-3.

Pectinopygus tordoffi Elbel and Emerson, 1956

Pectinopygus tordoffi Elbel and Emerson, 1956. Ent.
News, 67:173, figs. 1-7.

Pectinopygus canadensis Carriker, 1956. Florida
Ent., 39:131, figs. 82-85.

Piagetiella peralis (Leidy, 1878)

Menopon peralis Leidy, 1878. Proc. Acad. Nat.
Sci. Philad., 1878:100.

Menopon consanguineum Piaget, 1884. Notes Leyden
Museum, 6:111.

Menopon ragazzii Picaglia, 1884. Att. Soc. Nat. Mat.,
Modena, 2:105.

Menopon titan impar Kellogg, 1896 (nec Piaget, 1880).
Proc. Calif. Acad. Sci., 6:165.

- Pelecanus occidentalis Linnaeus--Brown Pelican
Colpocephalum occidentale Price, 1967
Colpocephalum occidentale Price, 1967. Canad. Ent.,
99:276, figs. 8 and 9.
- Pectinopygus occidentalis Thompson, 1947
Pectinopygus occidentalis Thompson, 1947. Ann. Mag.
Nat. Hist. (11), 14:318, figs. 1-9.
- Piagetiella bursaepelecani (Perry, 1876)
Trinotium bursaepelecani Perry, 1876. Proc. Lit.
Phil. Soc. Lpool, 30: lxxx.
Menopon titan linearis Kellogg, 1896. Proc. Calif.
Acad. Sci., 6:165, pl. 15, fig. 2.

Sulidae

- Sula dactylatra Lesson--Blue-faced Booby
Eidmanniella albescens (Piaget, 1880)
Menopon albescens Piaget, 1880. Les Pediculines: 491,
pl. 41, fig. 4.
Menopon singularis Kellogg and Kuwana, 1902. Proc.
Wash. Acad. Sci., 4:485, pl. 31, fig. 1.
Eidmanniella sula Tendeiro, 1958. Garcia de Orta,
6:443, figs. 1-2, photo plates 1-4.
(Type host: unknown).
- Pectinopygus annulatus (Piaget, 1880)
(Type host: Sula leucogaster (Boddaert)).
- Sula nebouxii Milne-Edwards--Blue-footed Booby
Eidmanniella albescens (Piaget, 1880)
(Type host: unknown).
- Sula leucogaster (Boddaert)--Brown Booby
Eidmanniella albescens (Piaget, 1880)
(Type host: unknown).
- Pectinopygus annulatus (Piaget, 1880)
Lipeurus annulatus Piaget, 1880. Les Pediculines:
340, pl. 27, fig. 10.

- Lipeurus potens Kellogg and Kuwana, 1902. Proc. Wash. Acad. Sci., 4:477, pl. 30, fig. 1.
- Esthiopterum potens minor Ewing, 1924. Zoologica, 5:84.
- Pectinopygus jamaicensis Thompson, 1947. Ann. Mag. Nat. Hist., (11), 14:348, figs. 1-8.
- Pectinopygus parallelus Eichler, 1954. Beitr. Fauna Perus, 4:37. (?)
- Pectinopygus sularum Eichler, 1954. Beitr. Fauna Perus, 4:50. (?)
- Pectinopygus marianarum Eichler, 1954. Beitr. Fauna Perus, 4:50 (nn for "Lipeurus potens var" Uchida 1918).
- Pectinopygus garbei (Pessoa and Guimaraes, 1935)
- Naubates garbei Pessoa and Guimaraes, 1935. Rev. Biol. Hyg. S. Paulo, 6:109, figs. 6-11. (Atlantic Ocean Area).
- Pectinopygus sulae (Rudow, 1869)
- Lipeurus sulae Rudow, 1869. Beitr. Kenntn. Malloph.: 43.
- Lipeurus helleri Kellogg and Kuwana, 1902. Proc. Wash. Acad. Sci., 4:479, pl. 30, fig. 3. (Pacific Ocean Area).
- Sula sula Linnaeus--Red-footed Booby
- Eidmanniella albescens (Piaget, 1880)
(Type host: unknown).
- Pectinopygus annulatus (Piaget, 1880)
(Type host: Sula leucogaster (Boddaert)).
- Pectinopygus garbei (Pessoa and Guimaraes, 1935)
(Type host: Sula leucogaster (Boddaert)).
- Pectinopygus sulae (Rudow, 1869)
(Type host: Sulae leucogaster (Boddaert)).
- Morus bassanus (Linnaeus)--Gannet
- Eidmanniella pustulosa (Nitzsch, 1866)
- Menopon pustulosum Nitzsch, 1866. In Giebel, Z. ges. NatWiss., 28:393.

- Pectinopygus bassani bassani (O. Fabricius, 1780)
Pediculus bassani O. Fabricius, 1780. Fauna
Groenlandica: 218.
Docophorus bassanae Denny, 1842. Mon. Anopl. Brit.:
48 and 110, pl. 6, fig. 3.
Lipeurus staphylionoides Denny, 1842. Mon. Anopl.
Brit.: 59 and 180, pl. 15, fig. 2.
Lipeurus pullatus Nitzsch, 1866. In Giebel, Z. ges.
NatWiss., 28:387.

Phalacrocoracidae

Phalacrocorax carbo (Linnaeus)--Great Cormorant

- Eidmanniella pellucida (Rudow, 1869)
Menopon pellucidum Rudow, 1869. Z. ges. NatWiss.,
34:400.
Menopon brevipalpe Piaget, 1880. Les Pediculines:
498, pl. 40, fig. 5.
Menopon sigmoidalis Picaglia, 1885. Atti. Soc. Ital.
Sci. Nat., 28:87.
Menopon kuwani Kellogg and Chapman, 1902. J.N.Y.
Ent. Soc., 10:26, pl. 3, fig. 4.
(Type host: Phalacrocorax capensis (Sparrman).

Pectinopygus gyricornis (Denny, 1842)

- Lipeurus gyricornis Denny, 1842. Mon. Anopl.
Brit.: 58 and 167, pl. 15, fig. 1.
Lipeurus longicornis Piaget, 1880. Les Pediculines:
334, pl. 27, fig. 3.
Lipeurus toxoceros Nitzsch, 1886. In Giebel, Z. ges.
NatWiss., 28:386.

Phalacrocorax auritus (Lesson)--Double-crested Cormorant

- Eidmanniella pellucida (Rudow, 1869)
(Type host: Phalacrocorax carbo (Linnaeus).

Pectinopygus farallonii (Kellogg, 1896)

- Nirmus farallonii Kellogg, 1896. Proc. Calif.
Acad. Sci., 6:103, pl. 5, fig. 4.

Piagetiella incomposita (Kellogg and Chapman, 1899)
(Type host: Phalacrocorax penicillatus (Brandt)).

Phalacrocorax olivaceus (Humbolt)--Olivaceous Cormorant

Eidmanniella eurygaster (Nitzsch, 1866)

Menopon eurygaster Nitzsch, 1866. Z. ges. NatWiss.,
28:393.

Pectinopygus gyroceras (Nitzsch, 1866)

Lipeurus gyroceras Nitzsch, 1866. In Giebel, Z. ges.
NatWiss., 28:386.

Nirmus depressus Rudow, 1869. Beitr. Kenntn.
Malloph.: 17.

Piagetiella vigua (Eichler, 1943)

Tetrophthalmus vigus Eichler, 1943. Zool. Anz.,
141:135, fig. 1.

Phalacrocorax penicillatus (Brandt)--Brandt's Cormorant

Eidmanniella pellucida (Rudow, 1869)

(Type host: Phalacrocorax carbo (Linnaeus)).

Piagetiella incomposita (Kellogg and Chapman, 1899)

Menopon titan incompositum Kellogg and Chapman, 1899.
Occ. Pap. Calif. Acad. Sci., 6:123, pl. 8, figs. 4-5.

Anhingidae

Anhinga anhinga (Linnaeus)--Anhinga

Pectinopygus anhingae (Peters, 1935)

Degeeriella anhingae Peters, 1935. Proc. Ent. Soc.
Wash., 37:143, figs. 3 and 4.

Fregatidae

Fregata magnificens Mathews--Magnificent Frigate-bird

Colpocephalum spineum Kellogg, 1899

Colpocephalum spineum Kellogg, 1899. Occ. Pap.
Calif. Acad. Sci., 6:38, pl. 4, fig. 1.

Fregatiella aurifasciata (Kellogg, 1899)

Menopon intermedium Piaget, 1880.

Les Pediculines: 497 (nec 430), pl. 40, fig. 4.

Menopon aurifasciatum Kellogg, 1899. Occ. Pap.

Calif. Acad. Sci., 6:43, pl. 43, pl. 4, fig. 5.

Menopon intermissum Harrison, 1916. Parasitology,
9:39. (nn for M. intermedium Piaget, 1880, p. 497).

Pectinopygus fregatiphagus (Eichler, 1943)

Lipeurus gracilicornis major Kellogg, 1899 (nec Piaget,
1880). Occ. Pap. Calif. Acad. Sci., 6:30, pl. 3,
fig. 3.

Epifregata fregatiphaga Eichler, 1943. Zool. Anz.,
141:59 (nn for L. major Kellogg, 1899).

CICONIIFORMES

The genera found Phoenicopteridae are the same as those found on Anseriformes; therefore, discussion of them appear under that order.

The genus Ardeicola Clay, 1936 (Proc. Zool. Soc. London, 1936:615) is found on all families of Ciconiiformes. For a study of this genus, see Tuff, 1967 (J. Kansas Ent. Soc., 40:241).

The genus Ardeiphilus Bedford, 1939 (Onderstepoort J. Vet. Sci., 12:139) apparently is found only on Ardeidae. For a limited discussion of the genus see Tuff, 1965 (Texas J. Sci., 17:110).

The genus Ciconiphilus Bedford, 1939 (Onderstepoort J. Vet. Sci., 12:141) is found on the orders Ciconiiformes and Anseriformes. For a discussion of the genus, see Price and Beer, 1965 (Canad. Ent., 97:657).

The genus Comatomenopon Uchida, 1920 (Annot. Zool. Japan, 9:648) apparently is found only on Ardeidae. Discussions of the genus are contained in Emerson, 1957 (Ann. Mag. Nat. Hist., (12), 10:710); Price 1965 (Pan-Pacific Ent., 41:80); and Tuff, 1967 (J. Med. Ent., 4:247).

The genus Eucolopocephalum Bedford, 1930 (Rept. Vet. Res. S. Africa, 16:161) is found only on the Spoonbills. For a

discussion of the genus see Tuff, 1966, J. Kansas Ent. Soc., 39:379).

The genus Ibidocetus Cummings, 1916 (Proc. Zool. Soc. London, 1916:663) is found on Threskiornthidae, and Aramidae, order Gruiformes. For a discussion of the genus see Carriker, 1947 (Bol. Ent. Venezol., 6:111).

The genus Neophilopterus Cummings, 1916 (Proc. Zool. Soc. London, 1916:660) is represented in North America by only the species found on the Wood Ibis (Ciconiidae).

The genus Plegadiphilus Bedford, 1939 (Onderstepoort J. Vet. Sci., 12:138) is found only on Threskiornthidae. For a limited discussion of the genus see Tuff, 1965, (J. Kansas Ent. Soc., 38:233).

Ardeidae

Ardea herodias Linnaeus -- Great Blue Heron

Ardeicola cruscula Carriker, 1960

Ardeicola cruscula Carriker, 1960. Novedades Colombianas, 1 (5): 318, fig. 1.

Ciconiphilus decimfasciatus (Boisduval and Lacordaire, 1835)

(Type host: Ardea cinerea Linnaeus)

Ardea cinerea Linnaeus -- Gray Heron

Ardeicola ardeae (Linnaeus, 1758)

Pediculus ardeae Linnaeus, 1758. Syst. Nat., ed. 10:613.

Lipeurus obtusus Stephens, 1829. Cat. Brit. Ins., 2:332.

Lipeurus leucopygus Burmeister, 1838. Handb. Ent., 2:434.

Lipeurus phoenicopteri Macalister, 1871. Quart. J. Micr. Sci. (n.s.), 11:163, fig.

Lipeurus modestus Giebel, 1874. Insecta Epizoa: 233.

Ciconiphilus decimfasciatus (Boisduval and Lacordaire, 1835)

Liotheum decimfasciatum Boisduval and Lacordaire, 1835. Faune Ent. Environs Paris: 123.

Colpocephalum importunum Denny, 1842. Mon. Anopl. Brit.: 199 and 214, pl. 18, fig. 1.

Colpocephalum nyctarde Denny, 1842. Mon. Anopl. Brit.: 199 and 215, pl. 20, fig. 9.

Colpocephalum obscurum Giebel, 1874. Insecta Epizoa: 273.

Menopon sulcatum Piaget, 1880. Les Pediculines: 485, pl. 39, fig. 7.

Colpocephalum importunum major Piaget, 1880. Les Pediculines: 549 (nec 519).

Colpocephalum trochioxum minor Piaget, 1885 (nec 1880). Les Pediculines, Supplement: 128.

Colpocephalum castaneum Piaget, 1885. Les Pediculines, Supplement: 153, pl. 16, fig. 7.

Colpocephalum laticeps Kellogg, 1896. Proc. Calif. Acad. Sci., 6:149, pl. 12, fig. 8.

Colpocephalum veratrum Kellogg, 1910. Wiss. Ergebn. Schwed. Zool. Exped. Kilimandjaro, 3, abt. 15:52, pl. 7, fig. 9.

Colpocephalum tamamurensis Uchida, 1926. J. Coll. Agri., Tokyo, 9:37, fig. 13.

Colpocephalum boisduvali Eichler, 1937. Sitz. Ges. Naturf. Fr. Berlin, 1937: 96 (nn for C. importunum major Piaget, 1880).

Pseudocolpocephalum doriabagla Ansari, 1951. Proc. Nat. Inst. India, 17:154, fig. 11.

Ciconiphilus nyctardis hoactli Carriker, 1964. Rev. Brasil. Biol., 24:100, figs. 11 and 12.

- Ciconiphilus nyctardis violaceus Carriker, 1964.
Rev. Brasil. Biol., 102, figs. 13 and 14.
Ciconiphilus pilherodii Carriker, 1964. Rev.
Brasil. Biol., 24:102, figs. 15-18.
Ciconiphilus agami Carriker, 1964. Rev. Brasil.
Biol., 24:103, figs. 19 and 20.
Ciconiphilus floridus Carriker, 1964. Rev. Brasil.
Biol., 24:104, figs. 21 and 22.

Butorides virescens (Linnaeus)--Green Heron

- Ardeicola florida nigra Tuff, 1967
(Type host: Dichromanassa rufescens (Gmelin)).

Ciconiphilus butoridiphagus Carriker, 1964

- Ciconiphilus butoridiphagus Carriker, 1964. Rev.
Brasil. Biol., 24:104, fig. 23.
Ciconiphilus melanolophi Price and Beer, 1965.
Canad. Ent., 97:662, fig. 9.

Florida caerulea (Linnaeus)--Little Blue Heron

- Ardeicola florida florida Carriker, 1960
Ardeicola florida Carriker, 1960. Novedades
Colombianas, 1 (5): 318, fig. 2.

Ciconiphilus decimfasciatus (Boisduval and Lacordaire,
1835)

- (Type host: Ardea cinerea Linnaeus).

Bubulcus ibis Linnaeus--Cattle Egret

- Ardeicola expallidus Blagoveshtchensky, 1940
(Type host: Egretta garzetta (Linnaeus)).

Ciconiphilus decimfasciatus (Boisduval and Lacordaire,
1835)

- (Type host: Ardea cinerea Linnaeus).

Comatomenopon ibis Emerson, 1957

- Comatomenopon ibis Emerson, 1957. Ann. Mag. Nat.
Hist., (12), 10:711, fig. 3.

Dichromanassa rufescens (Gmelin)--Reddish Egret

- Ardeicola florida nigra Tuff, 1967
Ardeicola florida nigra Tuff, 1967. J. Kansas Ent.
Soc., 40:256, figs. 32-33.

Ciconiphilus decimfasciatus (Boisduval and Lacordaire,
1835)

(Type host: Ardea cinerea Linnaeus).

Comatomenopon dichromanassae Tuff, 1967

Comatomenopon dichromanassae Tuff, 1967. J. Med.
Ent., 4:247, figs. 1 and 3.

Casmerodius albus (Linnaeus)--Common Egret

Ardeicola expallidus (Blagoveshtchensky, 1940)

(Type host: Egretta garzetta (Linnaeus)).

Ciconiphilus decimfasciatus (Boisduval and Lacordaire,
1835)

(Type host: Ardea cinerea Linnaeus).

Leucophoyx thula (Molina)--Snowy Egret

Ardeicola expallidus (Blagoveshtchensky, 1940)

(Type host: Egretta garzetta (Linnaeus)).

Ardeiphilus floridae Tuff, 1965

Ardeiphilus floridae Tuff, 1965. Texas J. Sci.,
17:100, figs. 1-3.

Ciconiphilus decimfasciatus (Boisduval and Lacordaire,
1835)

(Type host: Ardea cinerea Linnaeus).

Comatomenopon thulae Tuff, 1967

Comatomenopon thulae Tuff, 1967. J. Med. Ent.,
4:249, figs. 2 and 4.

Egretta garzetta (Linnaeus)--Little Egret

Ardeicola expallidus Blagoveshtchensky, 1940

Ardeicola expallidus Blagoveshtchensky, 1940. Mag.
Parasit., Leningr., 8:69 and 88, fig. 21.

Ardeicola gaibagla Ansari, 1947. Proc. Nat. Inst.
Sci. India, 13:256, fig. 1.

Ardeicola albulus Eichler, 1948. Vögel der Heimat.,
no. 6:107, figs. 2-3.

Ciconiphilus decimfasciatus (Boisduval and Lacordaire, 1835)

(Type host: Ardea cinerea Linnaeus).

Comatomenopon elongatum Uchida, 1920

Comatomenopon elongatum Uchida, 1920. Annot. Zool. Japan, 9:649, figs. 1-3.

Hydranassa tricolor (Muller)--Louisiana Heron

Ardeicola florida nigra Tuff, 1967

(Type host: Dichromanassa rufescens (Gmelin)).

Ciconiphilus decimfasciatus (Boisduval and Lacordaire, 1835)

(Type host: Ardea cinerea Linnaeus).

Nycticorax nycticorax (Linnaeus)--Black-crowned Night Heron

Ardeicola goisagi Uchida, 1953

Ardeicola goisagi Uchida, 1953. Iconographia Insectorum Japonicorum, Tokyo: 109, fig. 269.

Ciconiphilus decimfasciatus (Boisduval and Lacordaire, 1835)

(Type host: Ardea cinerea Linnaeus).

Nyctanassa violacea (Linnaeus)--Yellow-crowned Night Heron

Ardeicola nyctanassa Tuff, 1967

Ardeicola nyctanassa Tuff, 1967. J. Kansas Ent. Soc., 40:258, figs. 37-39.

Ciconiphilus butoridiphagus Carriker, 1964

(Type host: Butorides virescens (Linnaeus)).

Ciconiphilus decimfasciatus (Boisduval and Lacordaire, 1835)

Ixobrychus exilis (Gmelin)--Least Bittern

Ardeicola celeris Tuff, 1967

Ardeicola celeris Tuff, 1967. J. Kansas Ent. Soc., 40:253, figs. 23-25.

Ciconiphilus butoridphagus Carriker, 1964
(Type host: Butorides virescens (Linnaeus).

Comatomenopon exilis Price, 1965
Comatomenopon exilis Price, 1965. Pan-Pacific
Ent., 41:84, fig. 1.

Botaurus lentiginosus (Rackett)--American Bittern
Ardeicola botauri (Osborn, 1896)
Lipeurus botauri Osborn, 1896. Bull. U. S. Bur.
Ent. (n. s.), 5:234.

Ciconiphilus decimfasciatus (Boisduval and Lacordaire,
1835)
(Type host: Ardea cinerea Linnaeus).

Ciconiidae

Mycteria americana Linnaeus--Wood Ibis
Ardeicola loculator (Giebel, 1874)
Lipeurus linearis Rudow, 1869 (nec Nitzsch, 1866).
Beitr. Kenntn. Malloph.: 35.
Lipeurus loculator Giebel, 1874. Insecta Epizoa: 228.

Ciconiphilus quadripustulatus (Burmeister, 1838)
Colpocephalum quadripustulatum Burmeister, 1838.
Handb. Ent., 2:438.
Menopon maculipes Giebel, 1874. Insecta Epizoa: 298.
Menopon tantali Giebel, 1874. Insecta Epizoa: 298.
(nn for M. maculipes Giebel, 1874).
Menopon planiceps Piaget, 1885. Les Pediculines,
Supplement: 115, pl. 12, fig. 6.
Menopon cingulatum Piaget, 1885. Les Pediculines,
Supplement: 91, pl. 9, fig. 9.
(Type host: Ciconia ciconia (Linnaeus).

Colpocephalum mycteriae Price and Beer, 1965
Colpocephalum mycteriae Price and Beer, 1965. Ann.
Ent. Soc. Amer., 58:114, figs. 9-12.

Colpocephalum scalariforme Rudow, 1866

Colpocephalum scalariforme Rudow, 1866. Z. ges.
NatWiss., 27:471.

Neophilopterus heteropygus (Nitzsch, 1874)

Docophorus heteropygus Nitzsch, 1874. In Giebel,
Insecta Epizoa: 99.

Neophilopterus travassosi Pessoa and Guimaraes, 1938.
Livro. Jubil. Travassos, 3:385, figs. 1-4.

Threskiornithidae

Plegadis falcinellus (Linnaeus)--Glossy Ibis

Ardeicola raphidius (Nitzsch, 1866)

Lipeurus raphidius Nitzsch, 1866. In Giebel. Z. ges.
NatWiss., 28:384.

Lipeurus argentinus Kellogg, 1906. J. N. Y. Ent.
Soc., 14:46, pl. 2, fig. 2.

Ardeicola guaraunae Eichler, 1943. Mem. Estud.
Mus. Coimbra, no. 140:1, fig. 1.

Ardeicola hoactli Carriker, 1960. Novedades
Colombianas, 1 (5): 319, fig. 3.

Colpocephalum leptopygos Nitzsch, 1874

Colpocephalum leptopygos Nitzsch, 1874. In Giebel,
Insecta Epizoa: 273.

Ferribia gracilis Dubinin, 1938. Trav. Reserve
Etat. Astrakhan, 2:184, fig. 14.

Ferribia blagoweschenskii Dubinin, 1938. Trav.
Reserve Etat. Astrakhan, 2:182, fig.

Liothella humboldti Eichler, 1954. Beitr. Fauna.
Perus 4:47, fig. 31.

Ibidoecus bisignatus (Nitzsch, 1866)

Docophorus bisignatus Nitzsch, 1866. In Giebel, Z.
ges. NatWiss., 28:362.

Plegadiphilus plegadis (Dubinin, 1938)

Menopon plegadis Dubinin, 1938. Trav. Reserve
Etat. Astrakhan, 2:178, fig.

Plegadis chihi (Vieillot)--White-faced Ibis

All species of Mallophaga found on Plegadis falcinellus (Linnaeus) are also found on this host.

Eudocimus albus (Linnaeus)--White Ibis

Ardeicola elongata Carriker, 1960

Ardeicola elongata Carriker, 1960. Novedades Colombianas, 1 (5):321, fig. 8.

Ardeicola robusta Tuff, 1967

Ardeicola robusta Tuff, 1967. J. Kansas Ent. Soc., 40:247, figs. 9-12.

Colpocephalum fusconigrum Giebel, 1874

Colpocephalum fusconigrum Giebel, 1874. Insecta Epizoa: 274.

Ibidoecus bimaculatus (Mjöberg, 1910)

Docophorus bimaculatus Mjöberg, 1910. Ark. Zool., 6:125, figs. 70-72.

Plegadiphilus eudocimus Tuff, 1965

Plegadiphilus eudocimus Tuff, 1965. J. Kansas Ent. Soc., 38:233, figs. 1-2.

Eudocimus ruber (Linnaeus)--Scarlet Ibis

Ardeicola gracilentus (Piaget, 1890)

Lipeurus angustissimus Giebel, 1874 (nec 1866). Insecta Epizoa: 229.

Lipeurus gracilentus Piaget, 1890. Tijdschr. Ent., 33:244, pl. 9, fig. 7.

Ibidoecus hians (Giebel, 1874)

Docophorus hians Giebel, 1874. Insecta Epizoa: 107.

Platalea leucorodia Linnaeus--White Spoonbill

Ardeicola plataleae (Linnaeus, 1758)

Pediculus plataleae Linnaeus, 1758. Syst. Nat., 10:613.
Lipeurus platalearum Giebel, 1866. Z. ges. NatWiss., 28:384.

Colpocephalum plataleae Price and Beer, 1965
Colpocephalum plataleae Price and Beer, 1965. Ann.
Ent. Soc. Amer., 58:123, figs. 61-63.

Eucolpocephalum femorale (Piaget, 1880)
Menopon femorale Piaget, 1880. Les Pediculines:
484, pl. 39, fig. 8.

Eucholpocephalum robustum Bedford, 1930. Rept.
Vet. Res. S. Africa, 16:161, fig. 6.

Ibidoecus plataleae (Denny, 1842)
Docophorus plataleae Denny, 1842. Mon. Anopl.
Brit.: 46 and 100, pl. 4, fig. 9.

Ajaia ajaia (Linnaeus)--Roseate Spoonbill
Ardeicola ajaiae Carriker, 1960
Ardeicola plataleae ajaiae Carriker, 1960. Nov.
Cien. Mus. Hist. Nat. LaSalle, No. 28:50, fig. 51-53.

Colpocephalum ajaiae Ewing, 1930
Colpocephalum ajaiae Ewing, 1930. Proc. Biol.
Soc. Wash., 43:126.

Eucolpocephalum femorale (Piaget, 1880)
(Type host: Platalea leucorodia Linnaeus).

Ibidoecus iberoamericanus Eichler, 1943
Ibidoecus iberoamericanus Eichler, 1943. Mem.
Estud. Zool. Mus. Univ. Coimbra., no. 140:5.
Ibidoecus ajajus Carriker, 1947. Bol. Ent. Venezol.,
6:118, figs. 1-3.

Phoenicopteridae

Phoenicopus ruber Linnaeus--American Flamingo
Anaticola phoenicopteris candidus (Rudow, 1869)
Lipeurus candidus Rudow, 1869. Beitr. Kenntn.
Malloph.:39.

Anatoecus keleri Clay, 1962

Anatoecus keleri Clay, 1962. Ent. Berichten, 22:222,
figs. 1-5.

Colpocephalum heterosoma Piaget, 1880

Colpocephalum heterosoma Piaget, 1880. Les

Pediculines: 572, pl. 48, figs. 3 and 4.

Colpocephalum heterosoma boliviana Carriker,
1956. Rev. Brasil. Ent., 5:139, figs. 23 and 24.

Colpocephalum poopoensis Carriker, 1956. Rev.
Brasil. Ent., 5:140, figs. 25-27.

(Type host: Phoenicopterus antiquorum Temminck).

Trinoton femoratum Piaget, 1880

Trinoton femoratum Piaget, 1880. Les Pediculines:
593, pl. 49, fig. 4.

(Type host: Phoenicopterus antiquorum Temminck).

ANSERIFORMES

The genus Acidoproctus Piaget (1878) (Tijdschr. Ent., 21:178) normally is found on Dendrocygna - Tree Ducks, but occasionally single specimens may be found on other ducks. For a brief discussion of the genus, see Timmermann, 1962 (Zeitr. Parasit., 22:142).

The genus Anaticola Clay, 1936 (Proc. Zool. Soc. London, 1936:617) is found on all hosts of the order. No worthwhile work has been done on the genus, so it is doubtful that all the subspecies listed are valid.

The genus Anatoecus Cummings, 1916 (Proc. Zool. Soc. London, 1916:653) is found on all hosts of the order. For recent studies of the genus, see Keler, 1960 (Zeitr. Parasit., 20:207) and Zlotorzyska, 1970 (Bull. Ent. Polon., 40:10). The classification given is from Keler and Zolotozycka even though I doubt that any of the subspecies are valid.

The genus Ciconiphilus Bedford, 1939 (Onderstepoort J. Vet. Sci., 12:141) is found on the orders Ciconiiformes and Anseriformes. For a discussion of the genus, see Price and Beer, 1965 (Canad. Ent., 97:657).

The genus Holomenopon Eichler, 1941 (Stettin. Ent. Ztg., 102:125) is common on the Brants, Ducks, and Mergansers. For a discussion of the genus, see Price, 1971 (Ann. Ent. Soc. Amer., 64:633).

The genus Ornithobius Denny, 1842 (Mon. Anopl. Brit.: 183) is known only from the Swans, Geese and Brants. For a review of the genus, see Timmermann, 1962 (Zeitr. Parasit., 22:133).

The genus Trinoton Nitzsch, 1818 (Mag. Ent. Germar, 3: 300) is found on all hosts of the order. For a limited discussion of the genus, see Clay and Hopkins, 1960 (Bull. Brit. Mus., (N.H.), Ent., 9:21). No really significant work on the genus has been published.

Anatidae

Cygnus olor (Gmelin)--Mute Swan

Anatoecus dentatus magnicornutus Zlotorzycska, 1970

Anatoecus dentatus magnicornutus Zlotorzycska, 1970. Bull. Ent. Polon., 40:52, figs. 53 and 54 and photograph 11.

Anatoecus icterodes olor Zlotorzycska, 1970

Anatoecus icterodes olor Zlotorzycska, 1970. Bull. Ent. Polon., 40:50, fig. 48, and photograph 10.

Anatoecus penicillatus Keler, 1960

Anatoecus penicillatus Keler, 1960. Zeitr. Parasit., 20:235, fig. 43.

Ciconiphilus cygni Price and Beer, 1965
(Type host: Olor cygnus (Linnaeus).

Ornithobius bucephalus bucephalus (Giebel, 1874)
Lipeurus bucephalus Giebel, 1874. Insecta Epizoa:
239.

Trinoton anserinum (J. C. Fabricius, 1805)
(Type host: Anser anser (Linnaeus).

Olor cygnus (Linnaeus)--Whooper Swan
Anatoecus cygni bracteatus Keler, 1960. Zeitr. Parasit.,
20:227.

Ciconiphilus cygni Price and Beer, 1965
Ciconiphilus cygni Price and Beer, 1965. Canad.
Ent., 97:664, figs. 16-18.

Ornithobius cygni (Linnaeus, 1758)
Pediculus cygni Linnaeus, 1758. Syst. Nat., ed.
10:612.
Ornithobius cygnorum Vollenhoven, 1860.
Nat. Hist. Nederland, 1: pl. 8, fig. 4.
Metopeuron punctatum Rudow, 1870. Z. ges.
NatWiss., 36:139.

Trinoton anserinum (J. C. Fabricius, 1805)
(Type host: Anser anser (Linnaeus).

Olor columbianus (Ord)--Whistling Swan
Anatoecus cygni emersoni Keler, 1960
Anatoecus cygni emersoni Keler, 1960. Zeitr.
Parasit., 20:233.

Ciconiphilus cygni Price and Emerson, 1965
(Type host: Olor cygnus (Linnaeus).

Ornithobius waterstoni reconditus Timmermann, 1962
Ornithobius waterstoni reconditus Timmermann, 1962.
Zeitr. Parasit., 22:141, fig. 6c.

- Trinoton anserinum (J. C. Fabricius, 1805)
(Type host: Anser anser (Linnaeus)).
- Olor buccinator Richardson--Trumpeter Swan
"Anaticola pallidus" (Piaget, 1880)
Lipeurus squalidus pallidus Piaget, 1880 (nec Giebel,
1866). Les Pediculines: 346.
- Anatoecus cygni cygni (Denny, 1842)
Docophorus cygni Denny, 1842. Mon. Anopl. Brit. :
46 and 95, pl. 1, fig. 1.
(Type host: Cygnus bewickii Yarrell).
- Ciconiphilus cygni Price and Emerson, 1965
(Type host: Olor cygnus (Linnaeus)).
- Ornithobius waterstoni waterstoni, Timmermann, 1962
Ornithobius waterstoni waterstoni Timmermann, 1962.
Zeitr. Parasit., 22:139, figs. 7-9.
- Trinoton anserinum (J. C. Fabricius, 1805)
(Type host: Anser anser (Linnaeus)).
- Branta canadensis (Linnaeus)--Canada Goose
Ciconiphilus pectiniventris (Harrison, 1916)
(Type host: Anser albifrons (Scopoli)).
- Holomenopon leucoxanthum (Burmeister, 1838)
(Type host: Anas crecca Linnaeus).
- Ornithobius goniopleurus Denny, 1842
Ornithobius goniopleurus Denny, 1842. Mon. Anopl.
Brit. : 60 and 184, pl. 23, fig. 2.
Ornithobius atromarginatus Denny, 1842. Mon. Anopl.
Brit. : 60 and 185, pl. 23, fig. 3.
- Trinoton anserinum (J. C. Fabricius, 1805)
(Type host: Anser anser (Linnaeus)).
- Branta bernicla (Linnaeus)--Brant
Ciconiphilus pectiniventris (Harrison, 1916)
(Type host: Anser albifrons (Scopoli)).

Holomenopon tadornae (Gervais, 1844)
(Type host: Tadorna tadorna (Linnaeus)).

Branta nigricans (Lawrence)--Black Brant
Ciconiphilus pectiniventris (Harrison, 1916)
(Type host: Anser albifrons (Scopoli)).

Branta leucopsis (Bechstein)--Barnacle Goose
Anatoecus dentatus brunneopygus (Mjöberg, 1910)
Docophorus brunneopygus Mjöberg, 1910. Ark. Zool.,
6:130, fig. 73.

Ciconiphilus pectiniventris (Harrison, 1916)
(Type host: Anser albifrons (Scopoli)).

Ornithobius hexophthalmus (Nitzsch, 1861)
Lipeurus hexophthalmus Nitzsch, 1861. In Giebel,
Z. ges. NatWiss., 17:528.
Ornithobius klinkowstroemi Mjöberg, 1910. Ark.
Zool., 6:97, pl. 1, figs. 1-2.

Philacte canagica (Sewastianov)--Emperor Goose
Ciconiphilus pectiniventris (Harrison, 1916)
(Type host: Anser albifrons (Scopoli)).

Anser anser Linnaeus--Domestic Goose
Anaticola anseris anseris (Linnaeus, 1758)
Pediculus anseris Linnaeus, 1758. Syst. Nat., ed.
10:612.
Philopterus jejunos Nitzsch, 1818. Mag. Ent. Germar,
3:292 (nn for P. anseris Linnaeus, 1758).
Ornithobius anseris Gurlt, 1842. Mag. ges. Thierheilk.,
8:426, pl. 4, figs. 12-13.
Lipeurus bishoppi McGregor, 1717. Psyche, 24:111,
pl. 6, figs. 2 and 4.
Esthiopterum anseris domestici Wundrig, 1936.
Zool. Jb. Abt. 2, 62:84, fig. 51.

Anatoecus icterodes adustus (Nitzsch, 1874)
Docophorus adustus Nitzsch, 1874. In Giebel, Insecta
Epizoa: 113.

Ciconiphilus pectiniventris (Harrison, 1916)

Menopon pectinatum Neumann, 1912 (nec Osborn, 1902). Arch. Parasit., Paris, 15:368, fig. 15.

Colpocephalum pectiniventre Harrison, 1916. Parasit., 9:53 (nn for M. pectinatum Neumann, 1912).

Colpocephalum pectiniventre parvum Blagoveshtchensky, 1948. Mag. Parasit., Leningr., 10:269, fig. 7.

Holomenopon leucoxanthum (Burmeister, 1838)

(Type host: Anas crecca Linnaeus).

Ornithobius mathisi (Neumann, 1912)

Metopeuron mathisi Neumann, 1912. Arch. Parasit., Paris. 15:382, fig. 29.

Trinoton anserinum (J. C. Fabricius, 1805)

Pediculus anserinus J. C. Fabricius, 1805. Syst. Antliatorum: 345.

Pediculus anseris Sulzer, 1776 (nec Linnaeus; 1758). Abgek. Gesch. Insekten: 241, pl. 29, fig. 4.

Liotheum conspurcatum Nitzsch, 1818.

Mag. Ent. Germar, 3:300 (nn for P. anseris Sulzer, 1776).

Trinoton squalidum Denny, 1842. Mon. Anopl. Brit.: 202 and 235, pl. 22, fig. 3.

Trinoton continuum Piaget, 1880. Les Pediculines: 591.

Trinoton anserinum cygni Eichler, 1943. Stettin. Ent. Ztg., 104:97, figs. 3-5.

Anser albifrons (Scopoli)--White-fronted Goose

Anaticola anseris serratus (Nitzsch, 1866)

Lipeurus serratus Nitzsch, 1866. In Giebel, Z. ges. NatWiss., 28:385.

Anatoecus icterodes brevimaculatus (Giebel, 1874)

Docophorus brevimaculatus Giebel, 1874. Insecta Epizoa: 114.

Ciconiphilus pectiniventris (Harrison, 1916)

(Type host: Anser anser Linnaeus)

Trinoton anserinum (J. C. Fabricius, 1805)
(Type host: Anser anser Linnaeus).

Anser fabalis Latham--Bean Goose .

Anatoecus dentatus abdominalis Zlotorzycza, 1970

Anatoecus dentatus abdominalis Zlotorzycza, 1970:
Bull. Ent. Polon., 40:45; photograph 9.

Anatoecus icterodes tergalis Zlotorzycza, 1970

Anatoecus icterodes tergalis Zlotorzycza, 1970. Bull.
Ent. Polon., 40:44, and photographs 7 and 8.

Ciconiphilus pectiniventris (Harrison, 1916)

(Type host: Anser anser Linnaeus).

Chen hyperborea (Pallas)--Snow Goose

Anatoecus icterodes emersonianus Keler, 1961

Anatoecus icterodes emersoni Keler, 1960. Zeitr.
Parasit., 20:243 (nec p. 233) figs. 12(5) and 32.

Anatoecus icterodes emersonianus Keler, 1961.

Entomologist, 194:257 (nn for A. icterodes emersoni
Keler, 1960).

Anatoecus icterodes pallidus Keler, 1960

Anatoecus icterodes pallidus Keler, 1960. Zeitr.
Parasit., 20:246.

Ciconiphilus pectiniventris (Harrison, 1916)

(Type host: Anser anser Linnaeus).

Trinoton anserinum (J. C. Fabricius, 1805)

(Type host: Anser anser Linnaeus).

Chen caerulescens (Linnaeus)--Blue Goose

Ciconiphilus pectiniventris (Harrison, 1916)

(Type host: Anser anser Linnaeus).

Trinoton anserinum (J. C. Fabricius, 1805)

(Type host: Anser anser Linnaeus).

Chen rossii (Cassin)--Ross' Goose

Ciconiphilus pectiniventris (Harrison, 1916)

Dendrocygna autumnalis (Linnaeus)--Black-bellied Tree Duck.

Acidoproctus maximus Piaget, 1878

(Type host: Dendrocygna arborea (Linnaeus).

Anatoecus dentatus autumnalis Carriker, 1956

Anatoecus autumnalis Carriker, 1956. Florida Ent.,
39:126, figs. 73-75.

Trinoton aculeatum Piaget, 1885

Trinoton aculeatum Piaget, 1885. Les Pediculines,
Supplement: 136, pl. 15, fig. 1.

(Type host: Dendrocygna viduata (Linnaeus).

Dendrocygna bicolor (Vieillot)--Fulvous Tree Duck

Acidoproctus rostratus (Rudow, 1866)

Ornithobius rostratus Rudow, 1866. Z. ges. NatWiss.,
27:465.

Acidoproctus marginatus Piaget, 1878. Tijdschr Ent.,
21:181, pl. 12, fig. G.

(Type host: Dendrocygna viduata (Linnaeus).

Anaticola chaetodens Eichler, 1954

Anaticola chaetodens Eichler, 1954. Zool. Anz.,
152:33, fig. 2e.

Holomenopon leucoxanthum (Burmeister, 1838)

(Type host: Anas crecca Linnaeus).

Trinoton aculeatum Piaget, 1885

(Type host: Dendrocygna viduata (Linnaeus).

Dendrocygna arborea (Linnaeus)--West Indian Tree Duck

Acidoproctus maximus Piaget, 1878

Acidoproctus maximus Piaget, 1878. Tijdschr. Ent.,
21:183, pl. 12, figs. E and F.

Acidoproctus kelloggi Carriker, 1902. J. N. Y. Ent.
Soc., 10:228, pl. 22, figs. 1 and 2.

Acidoproctus hopkinsi Carriker, 1949. Proc. U. S.
Nat. Mus., 100:379, figs. 44d-g.

Acidoproctus hopkinsi mexicanus Carriker, 1954.
Florida Ent., 37:191, figs. 8 and 9.

Trinoton aculeatum Piaget, 1885

(Type host: Dendrocygna viduata (Linnaeus)).

Tadorna tadorna (Linnaeus)--Sheld Duck

Anatoecus icterodes tadornae Zlotorzycza, 1970

Anatoecus icterodes tadornae Zlotorzycza, 1970.

Bull. Ent. Polon., 40:48, figs. 46 and 47.

Holomenopon tadornae (Gervais, 1844)

Philopterus tadornae Gervais, 1844. In Walckenaer,

Hist. Nat. Ins., 3:323, pl. 49, fig. 6.

Anas platyrhynchos Linnaeus--Mallard

Anaticola crassicornis crassicornis (Scopoli, 1763)

Pediculus crassicornis Scopoli, 1763. Ent. Carniolica:
383.

Pediculus anatis Schrank, 1781. Enum. Ins. Austr.
Indig.: 503.

Pediculus anatis J. C. Fabricius, 1794. Ent. Syst.
Suppl.: 571.

Lipeurus squalidus Nitzsch, 1818. Mag. Ent. Germar,
3:292 (nn for P. anatis J. C. Fabricius, 1794).

Anaticola zunkerii Keler, 1937. Arb. morph. tax.

Ent. Berlin-Dahlem, 4:318.

Anatoecus dentatus dentatus (Scopoli, 1763)

Pediculus dentatus Scopoli, 1763. Ent. Carniolica:
383.

Anatoecus dentatus cognatus Zlotorzycza, 1970. Bull.
Ent. Polon., 40:17, fig. 7.

Anatoecus icterodes boschadis Keler, 1960

Anatoecus icterodes boschadis Keler, 1960. Zeitr.
Parasit., 20:253.

Anatoecus icterodes discludus Zlotorzycza, 1970.

Bull. Ent. Polon., 40:15, figs. 5 and 6.

Holomenopon leucoxanthum (Burmeister, 1838)

(Type host: Anas crecca Linnaeus).

Holomenopon maxbeieri Eichler, 1954

Holomenopon maxbeieri Eichler, 1954. Mh. Vet. Med.,
9:284, figs. 1-5.

- Trinoton querquedulae (Linnaeus, 1758)
(Type host: Anas crecca Linnaeus).
- Anas diazi Ridgway--Mexican Duck
Trinoton querquedulae (Linnaeus, 1758)
(Type host: Anas crecca Linnaeus).
- Anas rubripes Brewster--Black Duck
Holomenopon clypeilargum Eichler, 1943
(Type host: Anas acuta Linnaeus).
- Trinoton querquedulae (Linnaeus, 1758)
(Type host: Anas crecca Linnaeus).
- Anas fulvigula Ridgway--Mottled Duck
Trinoton querquedulae (Linnaeus, 1758)
(Type host: Anas crecca Linnaeus).
- Anas strepera Linnaeus--Gadwall
Anaticola crassicornis depuratus (Nitzsch, 1866)
Lipeurus depuratus Nitzsch, 1866. In Giebel, Z. ges.
NatWiss., 28:385.
- Anatoecus dentatus longicephalus Zlotorzycza, 1970
Anatoecus dentatus longicephalus Zlotorzycza, 1970.
Bull. Ent. Polon., 40:19, figs. 10 and 11.
- Anatoecus icterodes solivagus Zlotorzycza, 1970
Anatoecus icterodes solivagus Zlotorzycza, 1970.
Bull. Ent. Polon., 40:18, figs. 8 and 9.
- Holomenopon clypeilargum Eichler, 1943
(Type host: Anas acuta Linnaeus).
- Holomenopon leucoxanthum (Burmeister, 1838)
(Type host: Anas crecca Linnaeus).
- Holomenopon setigerum (Blagoveshtchensky, 1948)
(Type host: Spatula clypeata (Linnaeus)).
- Trinoton querquedulae (Linnaeus, 1758)
(Type host: Anas crecca Linnaeus).

Anas acuta Linnaeus--Pintail

Anaticola crassicornis dafilensis Carriker, 1956

Anaticola dafilensis Carriker, 1956. Florida Ent.,
39:130, figs. 79-81.

Holomenopon acutae Price, 1971

Holomenopon acutae Price, 1971. Ann. Ent. Soc.
Amer., 64:637.

Holomenopon clypeilargum Eichler, 1943

Holomenopon clypeilargum Eichler, 1943. Mitt.
Münch. Ent. Ges., 33:236, figs. 3-4.

Trinoton querquedulae (Linnaeus, 1758)

(Type host: Anas crecca Linnaeus).

Anas bahamensis Linnaeus--Bahama Duck

Trinoton querquedulae (Linnaeus, 1758)

(Type host: Anas crecca Linnaeus).

Anas falcata Georgi--Falcated Teal

Trinoton querquedulae (Linnaeus, 1758)

(Type host: Anas crecca Linnaeus).

Anas crecca Linnaeus--Common Teal

Anaticola crassicornis sordidus (Giebel, 1866)

Lipeurus sordidus Giebel, 1866. Z. ges. NatWiss.,
28:385.

Columbicola ewingi Qadri, 1935. Zeitr. Parasit.,
8:233, fig. 6.

Anatoecus dentatus prehensus Zlotorzyczka, 1970

Anatoecus dentatus prehensus Zlotorzyczka, 1970.

Bull. Ent. Polon., 40:27, fig. 22 and photograph 3.

Anatoecus icterodes eichleri Zlotorzyczka, 1970

Anatoecus icterodes eichleri Zlotorzyczka, 1970. Bull.

Ent. Polon., 40:25, fig. 21 and photograph 2.

Holomenopon clypeilargum Eichler, 1943

(Type host: Anas acuta Linnaeus).

Holomenopon leucoxanthum (Burmeister, 1838)

Menopon leucoxanthum Burmeister, 1838. Handb. Ent., 2:440.

Menopon lunarium Rudow, 1869. Z. ges. NatWiss., 34:402.

Menopon albofasciatum Piaget, 1880. Les Pediculines: 496, pl. 40, fig. 6.

Menopon nyrocae Blagoveshtchensky, 1940. Mag. Parasit., Leningr., 8:25 and 76, fig. 1.

Menopon leucoxanthum marecae Blagoveshtchensky, 1940. Mag. Parasit., Leningr., 8:27 and 77, fig. 2.

Holomenopon concii Eichler, 1943. Mitt. Münch. Ent. Ges., 33:237, figs. 5 and 6.

Holomenopon dendrocygni Carriker, 1955. Bol. Ent. Venezol., 11:3, figs. 1 and 2.

Holomenopon hanslöhrlii Eichler, 1958. Nachr. Natr. Mus. Aschaffenburg, 58:62, figs. 4 and 5.

Holomenopon setigerum (Blagoveshtchensky, 1948)

(Type host: Spatula clypeata (Linnaeus)).

Trinoton querquedulae (Linnaeus, 1758)

Pediculus querquedulae Linnaeus, 1758. Syst. Natr., ed. 10:612.

Ricinus lari deGeer, 1778. Mem. Hist. Ins., 7:77, pl. 4, fig. 12.

Trinoton lituratum Burmeister, 1838. Handb. Ent., 2:441.

Trinoton luridum Burmeister, 1838. Handb. Ent., 2:441.

Trinoton pygmaeum Kolenati, 1846. Melet. Ent., 5:138, pl. 19, fig. 5.

Trinoton gracile Grube, 1851. In Middendorf, Sibir. Reise, 2:494, pl. 32, fig. 6.

Trinoton spinosum Piaget, 1880. Les Pediculines: 596, pl. 49, fig. 6.

Trinoton minor Osborn, 1896. Bull. U.S. Bur. Ent. (n.s.), 5:248.

Trinoton nyrocae Eichler, 1943. Stettin. Ent. Ztg., 104:97, figs. 6 and 7.

Trinoton querquedulae mergi Eichler, 1943. Stettin. Ent. Ztg., 104:100, fig. 9.

Trinoton querquedulae künzeli Eichler, 1954. Beitr.
Fauna Perus., 4:43, figs. 24-26.

Trinoton querquedulae ludwigfreundi Eichler, 1954.
Mh. Vet. Med., 9:409, figs. 1-5.

Anas carolinensis Gmelin--Green-winged Teal
Trinoton querquedulae (Linnaeus, 1758)
(Type host: Anas crecca Linnaeus).

Anas formosa Georgi--Baikal Teal
Trinoton querquedulae (Linnaeus, 1758)
(Type host: Anas crecca Linnaeus).

Anas discors Linnaeus--Blue-winged Teal
Holomenopon clauseni Price, 1971
(Type host: Aix sponsa (Linnaeus)).

Holomenopon clypeilargum Eichler, 1943
(Type host: Anas acuta Linnaeus).

Holomenopon setigerum (Blagoveshtchensky, 1948)
(Type host: Spatula clypeata (Linnaeus)).

Trinoton querquedulae (Linnaeus, 1758)
(Type host: Anas crecca Linnaeus).

Anas cyanoptera Vieillot--Cinnamon Teal
Holomenopon clypeilargum Eichler, 1943
(Type host: Anas acuta Linnaeus).

Holomenopon leucoxanthum (Burmeister, 1838)
(Type host: Anas crecca Linnaeus).

Holomenopon setigerum (Blagoveshtchensky, 1948)
(Type host: Spatula clypeata (Linnaeus)).

Mareca penelope (Linnaeus)--European Widgeon
Anaticola crassicornis penelopes (T. Müller, 1927)
Lipeurus penelopes T. Müller, 1927. Ber.
westpreuss bot. -zool. Ver., 49:25.

- Anatoecus dentatus complicatus Zlotorzyska, 1970
Anatoecus dentatus complicatus Zlotorzyska, 1970.
Bull. Ent. Polon., 40:21, figs. 15-17.
- Anatoecus icterodes simplicatus Zlotorzyska, 1970
Anatoecus icterodes simplicatus Zlotorzyska, 1970.
Bull. Ent. Polon., 40:20, figs. 12-14.
- Holomenopon clypeilargum Eichler, 1943
(Type host: Anas acuta Linnaeus).
- Trinoton quercuedulae (Linnaeus, 1758)
(Type host: Anas crecca Linnaeus).
- Mareca americana (Gmelin)--American Widgeon
Holomenopon clypeilargum Eichler, 1943
(Type host: Anas acuta Linnaeus).
- Holomenopon leucoxanthum (Burmeister, 1838)
(Type host: Anas crecca Linnaeus).
- Trinoton quercuedulae (Linnaeus, 1758)
(Type host: Anas crecca Linnaeus).
- Spatula clypeata (Linnaeus)--Shoveler
Anaticola crassicornis hopkinsi Eichler, 1954
Anaticola hopkinsi Eichler, 1954. Zool. Anz.,
152:33, fig. 2d.
- Anatoecus dentatus ferrugineus (Giebel, 1874)
Docophorus ferrugineus Giebel, 1874. Insecta
Epizoa: 114.
- Anatoecus icterodes tendeiroi Keler, 1963
Anatoecus icterodes tendeiroi Keler, 1963. Zeitr.
Parasit., 20:270.
- Holomenopon clypeilargum Eichler, 1943
(Type host: Anas acuta Linnaeus).
- Holomenopon setigerum (Blagoveshtchensky, 1948)
Menopon setigerum Blagoveshtchensky, 1948. Mag.
Parasit., Leningr., 10:260, fig. 1.

Trinoton querquedulae (Linnaeus, 1758)
(Type host: Anas crecca Linnaeus).

Aix sponsa (Linnaeus)--Wood Duck

Anaticola crassicornis lepidotus (Rudow, 1869)
Lipeurus lepidotus Rudow, 1869. Beitr. Kenntn.
Malloph. : 36.

Holomenopon clauseni Price, 1971

Holomenopon clauseni Price, 1971. Ann. Ent. Soc.
Amer., 64:637, figs. 19 and 20.

Trinoton querquedulae (Linnaeus, 1758)
(Type host: Anas crecca Linnaeus).

Aythya americana (Eyton)--Redhead

Anatoecus icterodes difficilis Cummings, 1916
(Type host: Aythya ferina (Linnaeus)).

Anatoecus icterodes simillimus Keler, 1960

Anatoecus icterodes simillimus Keler, 1960. Zeitr.
Parasit., 20:275, fig. 12(3).

Holomenopon leucoxanthum (Burmeister, 1838)

(Type host: Anas crecca Linnaeus).

Trinoton querquedulae (Linnaeus, 1758)

(Type host: Anas crecca Linnaeus).

Aythya ferina (Linnaeus)--Common Pochard

Anaticola crassicornis fuligulae (T. Müller, 1927)

Lipeurus fuligulae T. Müller, 1927. Ber. westpreuss.
bot. -zool. Ver., 49:23.

Anatoecus icterodes difficilis Cummings, 1916

Anatoecus difficilis Cummings, 1916. Proc. Zool.
Soc. London, 1916: 654 and 659.

Holomenopon leucoxanthum (Burmeister, 1838)

(Type host: Anas crecca Linnaeus).

Trinoton querquedulae (Linnaeus, 1758)

(Type host: Anas crecca Linnaeus).

- Aythya baeri (Radde)--Baer's Pochard
Trinoton querquedulae (Linnaeus, 1758)
(Type host: Anas crecca Linnaeus).
- Aythya marila (Linnaeus)--Greater Scaup
Holomenopon clypeilargum Eichler, 1943
(Type host: Anas acuta Linnaeus).
- Holomenopon leucoxanthum (Burmeister, 1838)
(Type host: Anas crecca Linnaeus).
- Trinoton querquedulae (Linnaeus, 1758)
(Type host: Anas crecca Linnaeus).
- Aythya affinis (Eyton)--Lesser Scaup
Anaticola crassicornis cornicephalus (Zavaleta, 1946)
Esthiopterum cornicephalum Zavaleta, 1946. Ann.
Inst. Biol. Mex., 16:445, fig. 1.
- Anatoecus dentatus affinis Keler, 1960
Anatoecus dentatus affinis Keler, 1960. Zeitr.
Parasit., 20:285.
- Anatoecus icterodes marcui Keler, 1960
Anatoecus icterodes marcui Keler, 1960. Zeitr.
Parasit., 20:284.
- Holomenopon leucoxanthum (Burmeister, 1838)
(Type host: Anas crecca Linnaeus).
- Trinoton querquedulae (Linnaeus, 1758)
(Type host: Anas crecca Linnaeus).
- Aythya fuligula (Linnaeus)--Tufted Duck
Anatoecus dentatus fuligulae Keler, 1960
Anatoecus dentatus fuligulae Keler, 1960. Zeitr.
Parasit., 20:280.
- Anatoecus icterodes obtusus (Giebel, 1866)
Docophorus obtusus Giebel, 1866. Z. ges. NatWiss.,
28:363.

Holomenopon leucoxanthum (Burmeister, 1838)

(Type host: Anas crecca Linnaeus).

Trinoton querquedulae (Linnaeus, 1758)

(Type host: Anas crecca Linnaeus).

Bucephala clangula (Linnaeus)--Common Goldeneye

Anatoecus dentatus gratus Zlotorzyczka, 1970.

Anatoecus dentatus gratus Zlotorzyczka, 1970. Bull.
Ent. Polon., 40:35 and photograph 6.

Anatoecus icterodes dissensus Zlotorzyczka, 1970

Anatoecus icterodes dissensus Zlotorzyczka, 1970.
Bull. Ent. Polon., 40:33, fig. 30 and photographs
4 and 5.

Holomenopon bucephalae Price, 1971

(Type host: Bucephala alboela (Linnaeus)).

Bucephala islandica (Gmelin)--Barrow's Goldeneye

Anaticola crassicornis clangulae (O. Fabricius, 1780)

Pediculus clangulae O. Fabricius, 1780. Fauna
Groenlandica: 217.

Anatoecus icterodes islandicus Zlotorzyczka, 1970

Anatoecus icterodes islandicus Zlotorzyczka, 1970.
Bull. Ent. Polon., 40:35, figs. 31 and 32.

Trinoton querquedulae (Linnaeus, 1758)

(Type host: Anas crecca Linnaeus).

Bucephala albeola (Linnaeus)--Bufflehead

Holomenopon bucephalae Price, 1971

Holomenopon bucephalae Price, 1971. Ann. Ent. Soc.
Amer., 64:640.

Holomenopon clauseni Price, 1971

(Type host: Aix sponsa (Linnaeus)).

Holomenopon leucoxanthum (Burmeister, 1838)

(Type host: Anas crecca Linnaeus).

Trinoton querquedulae (Linnaeus, 1758)

(Type host: Anas crecca Linnaeus).

Clangula hyemalis (Linnaeus)--Oldsquaw

"Anaticola crassicornis frater" (Giebel, 1874)

Lipeurus frater Giebel, 1874. Insecta Epizoa:
242 (nec p. 210).

Anatoecus dentatus clangulus Emerson, 1953

Anatoecus clangulus Emerson, 1953. J. Kansas
Ent. Soc., 26:136, figs. 7 and 9.

Anatoecus icterodes natatorum (Rudow, 1869)

Docophorus natatorum Rudow, 1869. Beitr. Kenntn.
Malloph.: 15.

Holomenopon leucoxanthum (Burmeister, 1838)

(Type host: Anas crecca Linnaeus).

Trinoton querquedulae (Linnaeus, 1758)

(Type host: Anas crecca Linnaeus).

Histrionicus histrionicus (Linnaeus)--Harlequin Duck

Trinoton querquedulae (Linnaeus, 1758)

(Type host: Anas crecca Linnaeus).

Camptorphychus labradorium (Gmelin)--Labrador Duck

Trinoton querquedulae (Linnaeus, 1758)

(Type host: Anas crecca Linnaeus).

Polysticta stelleri (Pallas)--Steller's Eider

Anatoecus dentatus latiusculus Keler, 1960

Anatoecus dentatus latiusculus Keler, 1960. Zeitr.
Parasit., 20:293, fig. 12(13).

Trinoton querquedulae (Linnaeus, 1758)

(Type host: Anas crecca Linnaeus).

Somateria mollissima (Linnaeus)--Common Eider

Anaticola crassicornis rubromaculatus (Rudow, 1869)

Lipeurus rubromaculatus Rudow, 1869. Beitr. Kenntn.
Malloph.: 43.

Anatoecus dentatus somateriae Keler, 1960

Anatoecus dentatus somateriae Keler, 1960. Zeitr.
Parasit., 20:291.

Anatoecus icterodes mollissimae Keler, 1960

Anatoecus icterodes mollissimae Keler, 1960. Zeitr.
Parasit., 20:289.

Holomenopon loomisii (Kellogg, 1896)

(Type host: Melanitta fusca (Linnaeus)).

Trinoton querquedulae (Linnaeus, 1758)

(Type host: Anas crecca Linnaeus).

Somateria spectabilis (Linnaeus)--King Eider

"Anaticola crassicornis gracilis" (Giebel, 1874)

Lipeurus gracilis Giebel, 1874 (nec Packard, 1870).
Insecta Epizoa: 242.

Holomenopon loomisii (Kellogg, 1896)

(Type host: Melanitta fusca (Linnaeus)).

Trinoton querquedulae (Linnaeus, 1758)

(Type host: Anas crecca Linnaeus).

Lampronetta fischeri (Brandt)--Spectacled Eider

Trinoton querquedulae (Linnaeus, 1758)

(Type host: Anas crecca Linnaeus).

Melanitta fusca (Linnaeus)--Velvet Scoter

Anaticola crassicornis punctulatus (Rudow, 1869)

Lipeurus punctulatus Rudow, 1869. Beitr. Kenntn.
Malloph.: 35.

Anatoecus dentatus roesleri Eichler, 1946

Anatoecus dentatus roesleri Eichler, 1946. Tijdschr.
Ent., 87:76.

Holomenopon loomisii (Kellogg, 1896)

Menopon loomisii Kellogg, 1896. Proc. Calif. Acad.
Sci., 6:162, pl. 15, fig. 6.

Trinoton querquedulae (Linnaeus, 1758)

(Type host: Anas crecca Linnaeus).

- Melanitta deglandi (Bonaparte)--White-winged Scoter
Anaticola crassicornis constrictus (Kellogg, 1896)*
Lipeurus constrictus Kellogg, 1896. Proc. Calif.
Acad. Sci., 6:125, pl. 8, figs. 7-8.
- Holomenopon loomisii (Kellogg, 1896)
(Type host: Melanitta fusca (Linnaeus)).
- Melanitta perspicillata (Linnaeus)--Surf Scoter
Anaticola crassicornis constrictus (Kellogg, 1896)*
Lipeurus constrictus Kellogg, 1896. Proc. Calif.
Acad. Sci., 6:125, pl. 8, figs. 7-8.
- Trinoton querquedulae (Linnaeus, 1758)
(Type host: Anas crecca Linnaeus).
- Oidemia nigra (Linnaeus)--Common Scoter
Anaticola crassicornis angustolimbatus (Giebel, 1866)
Lipeurus angustolimbatus Giebel, 1866. Z. ges.
NatWiss., 28:386.
- Holomenopon leucoxanthum (Burmeister, 1838)
(Type host: Anas crecca Linnaeus).
- Trinoton querquedulae (Linnaeus, 1758)
(Type host: Anas crecca Linnaeus).
- Oxyura jamaicensis (Gmelin)--Ruddy Duck
Holomenopon leucoxanthum (Burmeister, 1838)
(Type host: Anas crecca Linnaeus).
- Trinoton querquedulae (Linnaeus, 1758)
(Type host: Anas crecca Linnaeus).
- Oxyura dominica (Linnaeus)--Masked Duck
Trinoton querquedulae (Linnaeus, 1758)
(Type host: Anas crecca Linnaeus).
- Lophodytes cucullatus (Linnaeus)--Hooded Merganser
Holomenopon clypeilargum Eichler, 1943
(Type host: Anas acuta Linnaeus).

* Type host has not been designated.

Trinoton querquedulae (Linnaeus, 1758)
(Type host: Anas crecca Linnaeus).

Mergus merganser Linnaeus -- Common Merganser
Anatoecus dentatus dentatus (Scopoli, 1763)
(Type host: Anas platyrhynchos Linnaeus).

Anatoecus icterodes bipunctatus (Giebel, 1874)
Docophorus bipunctatus Giebel, 1874. Insecta
Epizoa: 116.

Holomenopon clypeilargum Eichler, 1943
(Type host: Anas acuta Linnaeus).

Trinoton querquedulae (Linnaeus, 1758)
(Type host: Anas crecca Linnaeus).

Mergus serrator Linnaeus -- Red-breasted Merganser
Anaticola crassicornis mergiserrati (deGeer, 1778)
Ricinus mergi-serrati deGeer, 1778. Mem. Hist.
Inst., 7:78, pl. 4, fig. 13.
Pediculus mergi J. C. Fabricius, 1781. Spec. Ins.,
2:480. (nn for R. mergi-serrati deGeer, 1778).
Lipeurus temporalis Nitzsch, 1818. Mag. Ent. Germar,
3:292. (nn for "R. mergi deGeer").

Anatoecus icterodes icterodes (Nitzsch, 1818)
Docophorus icterodes Nitzsch, 1818. Mag. Ent.
Germar, 3:290.
Pediculus mergi Guerin, 1818 (nec J. C. Fabricius,
1781). Bonaterre's Encyc. Method., pt. 24:128, pl.
254, fig. 2.
Nirmus fuligulae Denny, 1852. List. Brit. Animals
in Brit. Mus., pt. 2 Anoplura: 13. (nn for D.
icterodes Nitzsch, 1818).

Holomenopon loomisii (Kellogg, 1896)
(Type host: Melanitta fusca (Linnaeus)).

Trinoton querquedulae (Linnaeus, 1758)
(Type host: Anas crecca Linnaeus).

FALCONIFORMES

The genus Acutifrons Guimaraes, 1942 (Pap. Avulsos Dept. Zool. S. Paulo, 2:235) appears to be found on hosts with a neotropical distribution.

The genus Colpocephalum Nitzsch, 1818 (Mag. Ent. Germar, 3:298) is found on several orders of birds. For a discussion of the species found on Falconiformes, see Price and Beer, 1963 (Canad. Ent., 95:731).

The genus Craspedorrhynchus Keler, 1938 (Arb. Morph. Tax. Ent. Berlin-Dahlem, 5:239) is restricted to this order. No good study of the genus has been published. For a limited discussion of the genus, see Emerson, 1960 (Proc. Biol. Soc. Wash., 73:39).

The genus Cuculiphilus Uchida, 1926 (J. Coll. Agri. Tokyo, 9:47) is found in North America on the Vultures, and the Cuckoos. For a revision of the genus, see Scharf and Price, 1965 (Ann. Ent. Soc. Amer., 58:546).

The genus Degeeriella Neumann, 1906 (Bull. Soc. Zool. Fr., 20:60) is restricted to this order. For an excellent revision of the genus, see Clay, 1958 (Bull. Brit. Mus. (N. H.), Ent., 7:123).

The genus Falcolipeurus Bedford, 1931 (Rep. Vet. Res. S. Afr., 17:290) is found on the larger hosts of Falconiformes. For a discussion of the species found on North American Vultures, see Tandan and Dhanda, 1963 (Ann. Ent. Soc. Amer., 56:634).

The genus Kurodaia Uchida, 1926 (J. Coll. Agri. Tokyo, 9:50) is found on Falconiformes and Strigiformes. For a discussion of the genus, see Price and Beer, 1963 (Ann. Ent. Soc. Amer., 56:849).

The genus Laemobothrion Nitzsch, 1818 (Mag. Ent. Germar, 3:301) is found on Falconiformes, Gruiformes and Podicipitiformes. For a discussion of the species found on Falconiformes, see Nelson and Price, 1965 (J. Med. Ent., 2:249)

The genus Nosopon Hopkins, 1950 (Ann. Mag. Nat. Hist., (12), 3:239), is known in North America only from the Falconidae. For a discussion of the genus, see Tendeiro, 1959 (Bol. Cult. Guine Port., 14:193).

Cathartidae

Cathartes aura (Linnaeus)--Turkey Vulture

Colpocephalum kelloggi Osborn, 1902

Colpocephalum kelloggi Osborn, 1902. Ohio Nat., 2:175, pl. 2, fig. 2.

- Cuculiphilus alternatus (Osborn, 1902)
Menopon alternatum Osborn, 1902. Ohio Nat., 2:175,
pl. 2, fig. 1.
Falcophilus coragyptis Eichler, 1948. Entomologist,
81:251, figs. 1-7.
- Falcolipeurus marginalis (Osborn, 1902)
Lipeurus marginalis Osborn, 1902. Ohio Nat.,
2:176.
Lipeurus assessor minor Kellogg and Paine, 1910
(nec Piaget, 1880). Ent. News, 21:460.
Trollipeurus eichleri Zlotorzyska, 1963. Ang.
Parasit., 4:5, figs. 3-6.
- Laemobothrion glutinans Nitzsch, 1861
Laemobothrion glutinans Nitzsch, 1861. In Giebel, Z.
ges. NatWiss., 17:518.
Laemobothrion delogramma Carriker, 1903. Univ.
Stud. Nebr., 3:159, pl. 4, fig. 6.
Laemobothrion canalense Eichler, 1942. Zool. Anz.,
139:31 (nn for L. delogramma Kellogg and Paine,
1910 (nec Carriker, 1903)).
Laemobothrion museihamburgi Eichler, 1954. Beitr.
Fauna Perus, 4:34, figs. 10-11.
(Type host: Sarcoramphus papa (Linnaeus)).
- Coragyptis atratus (Bechstein)--Black Vulture
Colpocephalum foetens (Eichler, 1954)
Neocolpocephalum foetens Eichler, 1954. Beitr.
Fauna Perus, 4:44, figs. 27-29.
- Cuculiphilus alternatus (Osborn, 1902)
(Type host: Cathartes aura (Linnaeus)).
- Falcolipeurus marginalis (Osborn, 1902)
(Type host: Cathartes aura (Linnaeus)).
- Laemobothrion glutinans Nitzsch, 1861
(Type host: Sarcoramphus papa (Linnaeus)).

Gymnogyps californianus (Shaw)--California Condor
Colpocephalum californici Price and Beer, 1963
Colpocephalum californici Price and Beer, 1963.
Canad. Ent., 95:740, figs. 5 and 9.

Cuculiphilus alternatus (Osborn, 1902)
(Type host: Cathartes aura (Linnaeus)).

Laemobothrion glutinans Nitzsch, 1861
(Type host: Sarcoramphus papa (Linnaeus)).

Accipitridae

Elanus leucurus (Vieillot)--White-tailed Kite
Colpocephalum osborni Kellogg, 1896
Colpocephalum osborni Kellogg, 1896. Proc. Calif.
Acad. Sci., 6:521, pl. 71, figs. 2 and 3.

Colpocephalum turbinatum Denny, 1842
(Type host: Domestic Pigeon).

Cuculiphilus decoratus (Kellogg, 1896)
Menopon decoratum Kellogg, 1896. Proc. Calif.
Acad. Sci., 6:526, pl. 72, fig. 2.

Degeeriella elani Tendeiro, 1955
Degeeriella elani Tendeiro, 1955. Bol. Cult. Guine
Port., 9:598, figs. 36-37 and photographs 17-18.
(Type host: Elanus caeruleus (Desfontaines)).

Elaonides forficatus (Linnaeus)--Swallow-tailed Kite
Colpocephalum osborni Kellogg, 1896
(Type host: Elanus leucurus (Vieillot)).

Cuculiphilus decoratus (Kellogg, 1896)
(Type host: Elanus leucurus (Vieillot)).

Degeeriella guimaraesi Clay, 1958
Degeeriella guimaraesi Clay, 1958. Proc. R. Ent. Soc.
London, (B) 27:2, pl. 1, figs. 1, 4, and t.f. 1, 4, 5,
6, 10, 12 and 15.

Ictinia mississippiensis (Wilson)--Mississippi Kite

Laemobothrion maximum (Scopoli, 1763)

Pediculus maximus Scopoli, 1763. Ent. Carniolica: 382.

Pediculus buteonis J. C. Fabricius, 1776. Gen. Ins.: 309 (nn for P. maximus Scopoli, 1763).

Pediculus circi Fourcroy, 1785. Ent. Paris: 518 (nn for Geoffroy's Pediculus circi, fuscus, oblongus).

Pediculus milvi Schrank, 1803. Fauna Boica: 193 (nn for Frisch's "Huhnergeyerlaus").

Laemobothrion giganteum Nitzsch, 1818. Mag. Ent. Germar, 3:301 (nn for maximum Scopoli, buteonis Fabricius, and circi Geoffroy).

Nirmus buteonivorus Packard, 1872. Rept. U. S. Geol. Survey, 6:733, fig. 61.

Laemobothrium nigrolimbatum Giebel, 1874. Insecta Epizoa: 252.

Laemobothrium titan Piaget, 1880. Les Pediculines: 578, pl. 49, fig. 1.

Laemobothrium loomisi Kellogg and Chapman, 1902. J. N. Y. Ent. Soc., 10:23, pl. 3, fig. 3.

Laemobothrion oligothrix Carriker, 1903. Univ. Stud. Nebr., 3:161; pl. 4, fig. 7.

Laemobothrion caracaraensis Kellogg, 1906. J. N. Y. Ent. Soc., 14:48; p. 2, fig. 6.

Laemobothrion eidmanni Eichler, 1942. Mitt. Dtsch. Ent. Ges., 11:14, figs. 1-2.

Laemobothrion anaticum Eichler, 1942. Zool. Anz., 137:52, fig. 1.

Laemobothrion hoeschi Eichler, 1942. Zool. Anz., 137:56, fig. 2.

Laemobothrion neithammeri Eichler, 1942. Zool. Anz., 137:60, fig. 5.

Laemobothrion indica Sen, 1942. Ind. J. Vet. Sci. & Anim. Husband., 12:169, fig. 1.

Laemobothrion hieraaeti Eichler, 1943. Mitt. Kdnigl. Naturwiss. Inst. Sofia, 16:209, fig. 3.

Laemobothrion bureschi Eichler, 1943. Mitt. Kdnigl. Naturwiss. Inst. Sofia, 16:209, fig. 4.

Laemobothrion mjobergi Eichler, 1944. Dtsch. Ent. Z., 1943: 64, figs. 11-12.

Laemobothrion chondrohieracis Eichler, 1953. Bonn. Zool. Beitr., 4:265, figs. 32b-c.

Laemobothrion mendesi Tendeiro, 1955. Bol. Cult. Guine Port., 9:211, figs. 7-8.

- Laemobothrion siddiqi Ansari, 1955. Proc. VII
Pakistan Sci. Conf., Sec. Biol.: 57.
- Laemobothrion clayi Tuleshkov, 1957. Isv. Zool.
Inst. Bulgaria Akad. Nauk. (Otd. Biol.), 6:281.
- Laemobothrion lunai Tendeiro, 1958. Publ. Cult.
da Diam. Comp. Angola, no. 40:99.
- Laemobothrion tuleschkovi Bechet, 1961. Stud. Cerc.
Biol., 12:220, fig. 2a-b.
- Laemobothrion grandiculus Tendeiro, 1964. Ann.
Mus. Royal l'Afr. Cent., Ser. 8, no. 132:185, figs. 9
and 10, photographs 17-20.
(Type host: Buteo buteo (Linnaeus)).
- Rostrhamus sociabilis (Vieillot)--Everglade Kite
Colpocephalum turbinatum Denny, 1842
(Type host: Domestic Pigeon).
- Craspedorrhynchus obscurus (Giebel, 1874)
Docophorus obscurus Giebel, 1874. Insecta Epizoa:
72.
- Falcolipeurus quadriguttatus (Giebel, 1874)
Lipeurus quadriguttatus Giebel, 1874. Insecta
Epizoa: 212.
- Accipiter genitalis (Linnaeus)--Goshawk
Colpocephalum nanum Piaget, 1890
Colpocephalum nanum Piaget, 1890. Tijdschr. Ent.
33:257, pl. 10, fig. 10.
Neocolpocephalum buteonis Eichler, 1954. In Bach and
Eichler, Monatsch. f. Vet., 9:13, figs. 1, 3 and 4.
(Type host: unknown (see Price and Beer (1963),
Canad. Ent., 95:731).
- Craspedorrhynchus haematopus (Scopoli, 1763)
Pediculus haematopus Scopoli, 1763. Ent. Carniolica:
381.
Pediculus strigis J. C. Fabricius, 1775 (nec Pontoppidan,
1763). Syst. Ent.: 806 (nn for P. haematopus Scopoli,
1763).
Docophorus platyrhynchus Nitzsch, 1818. Germar's
Mag. Ent. 3:290. (nn for P. haematopus Scopoli,
1763).

Pediculus tinnunculi Latreille, 1818 (nec Linnaeus, 1758).

In Guerin, Encyc. Meth.: 128, pl. 254, fig. 1.

Docophorus asturinus Mjöberg, 1910. Ark. Zool. 6:
112, pl. 1, figs. 6-7.

Degeeriella nisus vagans (Giebel, 1874)

Nirmus vagans Giebel, 1874. Insecta Epizoa: 126.

Laemobothrion maximum (Scopoli, 1763)

(Type host: Buteo buteo (Linnaeus))

Accipiter striatus Vieillot--Sharp-skinned Hawk

Degeeriella nisus nisus (Giebel, 1866)

Nirmus nisus Giebel, 1866. Z. ges. NatWiss.,
28:364.

(Type host: Accipiter nisus (Linnaeus)).

Accipiter cooperii (Bonaparte)--Cooper's Hawk

Colpocephalum nanum Piaget, 1890

(Type host: unknown).

Craspedorrhynchus subhaematopus Emerson, 1960

Craspedorrhynchus subhaematopus Emerson, 1960.
Proc. Biol. Soc. Wash., 73:39, figs. 5-8.

Degeeriella nisus vagans (Giebel, 1874)

(Type host: Accipiter genitalis (Linnaeus)).

Buteo jamaicensis (Gmelin)--Red-tailed Hawk

Colpocephalum napiforme Rudow, 1869

Colpocephalum napiforme Rudow, 1869. Z. ges.
NatWiss., 24:395.

Colpocephalum heterospizium Carriker, 1963. Mem.
Soc. Cien. Nat. LaSalle, 23:15, pl. 1b, figs. 3d and
4a; pl. II, fig. 3; and pl. III, fig. 3a.

Colpocephalum nanum Piaget, 1890

(Type host: unknown).

Colpocephalum turbinatum Denny, 1842

(Type host: domestic pigeon).

Craspedorrhynchus americanus Emerson , 1960
Craspedorrhynchus americanus Emerson,
1960. Proc. Biol. Soc. Wash., 73:40, figs.
9, 13 and 17.

Degeeriella fulva (Giebel, 1874)
(Type host: Aquila chrysaetos (Linnaeus)).

Degeeriella regalis regalis (Giebel, 1866)
(Type host: Milvus milvus Linnaeus)
Nirmus regalis Giebel, 1866. Z. ges NatWiss.,
28:364.
Nirmus vittatus Giebel, 1874. Insecta Epizoa: 127.
Nirmus appendiculatus Piaget, 1880. Les
Pediculines: 132, pl. 11, fig. 2.
Nirmus incertus Piaget, 1885. Les Pediculines;
Supplement: 20, pl. 2, fig. 9.
Nirmus curvilineatus Kellogg and Kuwana, 1902.
Proc. Wash. Acad. Sci., 4:470, pl. 29, fig. 4.
Nirmus pseudophaeus Carriker, 1902. Univ. Stud.
Nebr., 3:143, pl. 3, fig. 1.

Kurodaia fulvofasciata (Piaget, 1880)
(Type host: Buteo buteo (Linnaeus)).

Laemobothrion maximum (Scopoli, 1763)
(Type host: Buteo buteo (Linnaeus)).

Buteo harlani (Audubon)--Harlan's Hawk
Degeeriella fulva (Giebel, 1874)
(Type host: Aquila chrysaetos Linnaeus).

Laemobothrion maximum (Scopoli, 1763)
(Type host: Buteo buteo (Linnaeus)).

Buteo lineatus (Gmelin)--Red-shouldered Hawk
Colpocephalum nanum Piaget, 1890
(Type host: unknown).

Colpocephalum napiforme Rudow, 1869
(Type host: Buteo jamaicensis (Gmelin)).

- Craspedorrhynchus buteonis (Packard, 1870)
Docophorus buteonis Packard, 1870. Amer. Nat.,
4:93, pl. 1, fig. 3.
- Degeeriella fulva (Giebel, 1874)
(Type host: Aquila chrysaetos (Linnaeus)).
- Kurodaia fulvofasciata (Piaget, 1880)
(Type host: Buteo buteo (Linnaeus)).
- Buteo platypterus (Vieillot)--Broad-winged Hawk
Acutifrons orbiculatus Carriker, 1956
Acutifrons orbiculatus Carriker, 1956. Rev.
Brasil Ent., 5:119, figs. 5-7.
- Kurodaia fulvofasciata (Piaget, 1880)
Menopon fulvofasciatum Piaget, 1880. Les
Pediculines: 492, pl. 11, fig. 9.
Colpocephalum menoponoides Ewing, 1930. Proc.
Ent. Soc. Wash., 32:117.
Kurodaia taguatoj Eichler, 1952. Zool. Anz., 149:
258, figs. 12-14.
(Type host: Buteo buteo (Linnaeus)).
- Kurodaia macrocybe (Carriker, 1903)
Menopon macrocybe Carriker, 1903. Univ. Stud.
Nebr., 3:181, pl. 7, fig. 2.
- Buteo swainsoni Bonaparte--Swainson's Hawk
Colpocephalum turbinatum Denny, 1842
(Type host: domestic pigeon).
- Degeeriella regalis regalis (Giebel, 1866)
(Type host: Milvus milvus Linnaeus).
- Kurodaia fulvofasciata (Piaget, 1880)
(Type host: Buteo buteo (Linnaeus)).
- Laemobothrion maximum (Scopoli, 1763)
(Type host: Buteo buteo (Linnaeus)).

- Buteo brachyurus Vieillot--Short-tailed Hawk
Degeeriella fulva (Giebel, 1874)
(Type host: Aquila chrysaëtos Linnaeus).
- Buteo lagopus (Pontoppidan)--Rough-legged Hawk
Colpocephalum nanum Piaget, 1890
(Type host: unknown).
- Craspedorrhynchus dilatatus (Rudow, 1869)
Docophorus dilatatus Rudow, 1869. Beitr.
Kenntn. Malloph.: 14.
Docophorus eurygaster Giebel, 1874. Insecta
Epizoa: 69.
Docophorus taurocephalus Kellogg, 1896.
Proc. Calif. Acad. Sci., 6:471, pl. 64, fig. 1.
Craspedorrhynchus buteolagopi Merisuo, 1945. Ann.
Ent. Fenn., 2:104, figs. 1, 2c and 3c.
- Degeeriella fulva (Giebel, 1874)
(Type host: Aquila chrysaëtos (Linnaeus)).
- Kurodaia fulvofasciata (Piaget, 1880)
(Type host: Buteo buteo (Linnaeus)).
- Laemobothrion maximum (Scopoli, 1763)
(Type host: Buteo buteo (Linnaeus)).
- Buteo regalis (Gray)--Ferruginous Hawk
Craspedorrhynchus hirsutus Carriker, 1956
Craspedorrhynchus hirsutus Carriker, 1956.
Florida Ent., 39: 27, fig. 18.
- Degeeriella fulva (Giebel, 1874)
(Type host: Aquila chrysaëtos (Linnaeus)).
- Laemobothrion maximum (Scopoli, 1763)
(Type host: Buteo buteo (Linnaeus)).
- Parabuteo unicinctus (Temminck)--Harris' Hawk
Degeeriella emersoni Clay, 1958
(Type host: Buteogallus Gundlachii (Cabanis))
Degeeriella emersoni Clay, 1958. Bull. Brit. Mus.
(N.H.), Ent. 7:154, t. f. 28, 45, 78 and 87.

Kurodaia koepcke Eichler, 1953

Kurodaia koepcke Eichler, 1953. In Niethammer,
Bonn. Zool. Beitr., 4:265, fig. 32a.

Laemobothrion maximum (Scopoli, 1763)

(Type host: Buteo buteo (Linnaeus).

Aquila chrysaetos (Linnaeus) - Golden Eagle

Colpocephalum flavescens (deHaan, 1829)

(Type host: Haliaeetus albicilla (Linnaeus).

Colpocephalum impressum Rudow, 1866

Colpocephalum impressum Rudow, 1866. Z.
ges. NatWiss.: 27:475.

Craspedorrhynchus aquilinus (Denny, 1842)

Docophorus aquilinus Denny, 1842. Mon. Anopl.
Brit.: 46 and 81, pl. 2, fig. 7.

Docophorus chrysophthalmi Denny, 1842.

Mon. Anopl. Brit.: 46 and 99, pl. 2, fig. 3.

Philopterus triangulifer Gervais, 1844. Hist. Nat.

Ins., 3:342, pl. 49, fig. 4.

Docophorus orbicularis Rudow, 1870. Z. ges.

NatWiss., 35:460.

Docophorus pictus Giebel, 1874. Insecta

Epizoa: 74.

Degeeriella discocephalus aquilarum Eichler, 1943

(Type host: Aquila nipalensis Hodgson).

Degeeriella aquilarum Eichler, 1943. Zool.

Anz., 1942: 92, fig. 1.

Degeeriella fulva (Giebel, 1874)

Nirmus fuscus Nitzsch, 1861 (nec Denny, 1842).

In Giebel, Z. ges. NatWiss., 17:525.

Nirmus fulvus Giebel, 1874. Insecta Epizoa: 124.

Nirmus angustus Giebel, 1874. Insecta Epizoa: 126.

Nirmus flavidus Giebel, 1874. Insecta Epizoa: 301.

Degeeriella giebeli Hopkins, 1947. Entomologist,
80:77. (nn for N. fuscus Nitzsch, 1861).

Degeeriella borealis Carriker, 1956. Florida Ent.,
39:41, figs. 38 and 40b.

Degeeriella genitalis Carriker, 1956. Florida Ent.,
39:43, figs. 41-42.

Falcolipeurus suturalis (Rudow, 1869)

Lipeurus quadripustulatus Denny, 1842 (pec
Burmeister, 1838). Mon. Anopl. Brit.: 58 and 167,
pl. 16.

Lipeurus suturalis Rudow, 1869. Beitr. Kenntn.
Malloph.: 44.

Lipeurus dennyi Giebel, 1874. Insecta Epizoa:
211 (nn for L. quadripustulatus Denny, 1842).

Lipeurus variopictus Giebel, 1874. Insecta
Epizoa: 211 (in partim).

Laemobothrion vulturis (J. C. Fabricius, 1775)

Pediculus vulturis J. C. Fabricius, 1775. Syst. Ent.:
806.

Liotheum percnopteri Gervais, 1844. Hist. Nat. Ins.,
3:321, pl. 48, fig. 6.

Laemobothrium pallidum Giebel, 1874. Insecta
Epizoa: 250.

Laemobothrium validum Giebel, 1874. Insecta
Epizoa: 251.

Laemobothrium gypsis Kellogg, 1906. Ent. News, 17:
63, fig.

Laemobothrium africanum Kellogg, 1910. Wiss. Ergebn.
Schwed. Zool. Exped. Kilimandjaro, 3 (15): 49, p. 7,
fig. 6.

Laemobothrion grossei Eichler, 1943. Zool. Anz.,
141:59 (nn for "L. von Gypoggeranus serpentarius"
Grosse, 1885, Z. Wiss. Zool., 42:557).

Laemobothrion bulgaricum Eichler, 1943. Mitt.
Königl. Naturwiss. Inst. Sofia, 16:210.

Laemobothrion romanicum Bechet, 1961. Stud. Cerc.
Biol., 12:218, fig. 1a-c.

Laemobothrion vulturis daneckii Zlotorzycza, 1969.
Polok. Pismo. Ent., 39:125, figs. 1-4.

(Type host: Pseudogyps bengalensis (Gmelin)).

Haliaeetus albicilla (Linnaeus)--Gray Sea Eagle

Colpocephalum flavescens (deHaan, 1829)

Liotheum flavescens deHaan, 1829. Mem. Mus.
Hist. Nat. Paris, 18:309.

- Craspedorrhynchus macrocephalus (Nitzsch, 1874)
Docophorus macrocephalus Nitzsch, 1874. In Giebel,
Insecta Epizoa: 73.
- Degeeriella discocephalus discocephalus (Burmeister, 1838)
Nirmus discocephalus Burmeister, 1838. Handb. Ent.,
1:430.
Nirmus discocephalus amblyus Kellogg, 1896. Proc.
Calif. Acad. Sci., 6:499, pl. 67, fig. 6.
- Falcolipeurus sulcifrons (Denny, 1842)
Lipeurus sulcifrons Denny, 1842. Mon. Anopl. Brit.:
58 and 169, pl. 14, fig. 1.
Lipeurus quadrioculatus Nitzsch, 1861. In Giebel, Z.
ges. NatWiss., 17:522.
Lipeurus variopictus Giebel, 1874. Insecta Epizoa:
211 (in partim).
Lipeurus elongatus Piaget, 1880 (nec Packard, 1870).
Les Pediculines: 297, pl. 24, fig. 3.
- Laemobothrion vulturis (J. C. Fabricius, 1775)
(Type host: Pseudogyps bengalensis (Gmelin)).
- Haliaeetus leucocephalus (Linnaeus) -- Bald Eagle
Colpocephalum flavescens (deHaan, 1829)
(Type host: Haliaeetus albicilla (Linnaeus)).
- Colpocephalum turbinatum Denny, 1842
(Type host: Domestic Pigeon).
- Craspedorrhynchus halieti (Osborn, 1896)
Docophorus halieti Osborn, 1896. Bull. U.S. Bur.
Ent. (n.s.), 5:218.
- Degeeriella discocephalus discocephalus (Burmeister, 1838)
(Type host: Haliaeetus albicilla (Linnaeus)).
- Kurodaia fulvofasciatus (Piaget, 1880)
(Type host: Buteo buteo (Linnaeus)).
- Laemobothrion vulturis (J. C. Fabricius, 1775)
(Type host: Pseudogyps bengalensis (Gmelin)).

Haliaeetus pelagicus (Pallas)--Stellar's Sea Eagle

Colpocephalum flavescens (deHaan, 1829)

(Type host: Haliaeetus albicilla (Linnaeus).

Degeeriella discocephalus discocephalus (Burmeister, 1838)

(Type host: Haliaeetus albicilla (Linnaeus).

Laemobothrion vulturis (J. C. Fabricius, 1775)

(Type host: Pseudogyps bengalensis (Gmelin).

Circus cyaneus (Linnaeus)--Marsh Hawk

Colpocephalum turbinatum Denny, 1842

(Type host: Domestic Pigeon)

Degeeriella fusca (Denny, 1842)

(Type host: Circus aeruginosus (Linnaeus).

Nirmus fuscus Denny, 1842. Mon. Anopl. Brit.:
49 and 118.

Nirmus aeruginosi Denny, 1852. List. Brit.

Animals in Brit. Mus., pt. II, Anoplura: 16 (nn for
N. fuscus Denny, 1842).

Nirmus socialis Giebel, 1874. Insecta Epizoa: 127.

Kelerinirmus circi Boetticher and Eichler, 1954.
Biol. Zb., 73:215.

Kurodaia fulvofasciata (Piaget, 1880)

(Type host: Buteo buteo (Linnaeus).

Laemobothrion maximum (Scopoli, 1763)

(Type host: Buteo buteo (Linnaeus).

Falconidae

Caracara cheriway (Jacquin)--Caracara

Acutifrons mexicanus Emerson, 1966

Acutifrons mexicanus Emerson, 1966. Florida Ent.,
49: 49, fig. 1.

Colpocephalum polybori Rudow, 1869

(Type host: Caracara plancus (J. F. Miller)

Colpocephalum polybori Rudow, 1869. Z. ges.
NatWiss., 34:397.

Degeeriella pricei Emerson, 1966

Degeeriella pricei Emerson, 1966. Proc. Biol. Soc.
Wash., 79:21, figs. 1-2.

Falcolipeurus josephi Tandan and Dhanda, 1963

Falcolipeurus josephi Tandan and Dhanda, 1963.

Ann. Ent. Soc. Amer., 56:634, figs. 1-5.

(Type host: Caracara plancus (J. F. Miller),

Laemobothrion maximum (Scopoli, 1763)

(Type host: Buteo buteo (Linnaeus).

Falco rusticolus Linnaeus--Gyrfalcon

Degeeriella rufa rufa (Burmeister, 1838)

(Type host: Falco tinnunculus Linnaeus).

Falco mexicanus Schlegel--Prairie Falcon

Colpocephalum zerfae Ansari, 1955

(Type host: Falco jugger J. C. Gray) Proc. VII
Pakistan Sci. Conf.: 52.

Degeeriella rufa rufa (Burmeister, 1838)

(Type host: Falco tinnunculus Linnaeus).

Laemobothrion tinnunculi (Linnaeus, 1758)

(Type host: Falco tinnunculus Linnaeus).

Falco peregrinus Tunstall--Peregrine Falcon

Colpocephalum zerfae Ansari, 1955

(Type host: Falco jugger J. C. Gray).

Degeeriella rufa rufa (Burmeister, 1838)

(Type host: Falco tinnunculus Linnaeus).

Laemobothrion tinnunculi (Linnaeus, 1758)

(Type host: Falco tinnunculus Linnaeus).

- Falco femoralis Temminck--Aplomado Falcon
Colpocephalum zerfae Ansari, 1955
(Type host: Falco jugger J. C. Gray).
- Degeeriella rufa rufa (Burmeister, 1838)
(Type host: Falco tinnunculus Linnaeus).
- Laemobothrion tinnunculus (Linnaeus, 1758)
(Type host: Falco tinnunculus Linnaeus).
- Falco columbarius Linnaeus--Pigeon Hawk
Colpocephalum zerfae Ansari, 1955
(Type host: Falco jugger J. C. Gray).
- Degeeriella rufa rufa (Burmeister, 1838)
(Type host: Falco tinnunculatus Linnaeus).
- Laemobothrion tinnunculi (Linnaeus, 1758)
(Type host: Falco tinnunculatus Linnaeus).
- Falco sparverius Linnaeus--Sparrow Hawk
Colpocephalum zerfae Ansari, 1955
(Type host: Falco jugger J. C. Gray).
- Degeeriella rufa carruthi Emerson, 1953
Degeeriella carruthi Emerson, 1953. J. Kansas
Ent. Soc., 26:132, figs. 2-3.
- Laemobothrion tinnunculi (Linnaeus, 1758)
(Type host: Falco tinnunculatus Linnaeus).
- Nospon lucidum (Rudow, 1869)
(Type host: Falco vespertinus Linnaeus).
Menopon lucidum Rudow, 1869. Z. ges NatWiss.,
34:402.
- Falco tinnuculus Linnaeus--Kestrel
Colpocephalum zerfae Ansari, 1955
(Type host: Falco jugger J. C. Gray).
- Degeeriella rufa rufa (Burmeister, 1838)
Nirmus rufus Burmeister, 1838. Handb. Ent., 2:430.
Nirmus fasciatus Rudow, 1869. Beitr. Kenntn. Malloph.:
20.

- Nirmus quadroticollis Rudow, 1870. Z. ges. NatWiss., 35:469.
- Nirmus nitzschi Giebel, 1874 (nec Ponton, 1871).
Insecta Epizoa: 125.
- Nirmus burmeisteri Giebel, 1874. Insecta Epizoa: 126.
- Nirmus platyclypeatus Piaget, 1880. Les Pediculines: 145, pl. 12, fig. 1.
- Kelerinirmus rufus boliviensis Eichler, 1954. Beitr. Fauna Perus, 4:38.
- Degeeriella rufa drosti Timmermann, 1955.
Natururufraedingurinn, 1:49 (nn for N. nitzschi Giebel, 1874).
- Degeeriella masumae Ansari, 1955. Proc. VII Pakistan Sci. Conf., Biology: 42.
- Degeeriella splendidus Ansari, 1955. Proc. VII Pakistan Sci. Conf., Biology: 42.
- Degeeriella falconoides Carriker, 1956. Florida Ent., 39:42, figs. 39 and 40a.
- Degeeriella rufa applanata Tendeiro, 1958. Bol. Cult. Guine Port., 13:33, fig. 3-2 and photos 5-6.
- Degeeriella rufa subbutionis Tendeiro, 1958. Bol. Cult. Guine Port., 13:43, fig. 3-4, photos 11-12.
- Degeeriella rufa clayae Tendeiro, 1958. Bol. Cult. Guine Port., 13:47, figs. 3-5, photos 15-16.
- Laemobothrion tinnunculi (Linnaeus, 1758)
Pediculus tinnunculi Linnaeus, 1758. Syst. Nat., ed. 10:612.
- Nirmus hasticeps Olfers, 1816. De Veget., etc.: 87.
- Laemobothrium hastipes Burmeister, 1838. Handb. Ent., 2:442.
- Laemobothrium laticolle Denny, 1842. Mon. Anopl. Brit.: 203 and 239; pl. 23, fig. 4.
- Nirmus albicillae Denny, 1852. List Brit. Animals in Brit. Mus., pt. II, Anoplura: 39 (nn for L. laticolle Denny, 1842).
- Physostomum longetarsatum Piaget, 1895. Tijdschr. Ent., 38:101.
- Laemobothrium intermedium McGregor, 1917. Ent. News, 28:434; pl. 28, figs. 2 and 5.
- Laemobothrion aquab Ansari, 1955. Proc. VII Pakistan Sci. Conf., Sect. Biol.: 57.
- Laemobothrion semicirculus Carriker, 1961. Nov. Cien. Mus. Hist. Nat. LaSalle, no. 28:39, fig. 4.

Nosopon lucidum (Rudow, 1869)

(Type host: Falco vespertinus Linnaeus).

GALLIFORMES

The genus Amysrsidea Ewing, 1927 (J. Wash. Acad. Sci., 17:90) is found on several families of the order Galliformes.

Carriker has published on several groups found on neotropical forms, but no comprehensive paper on the genus is available.

The genus Chelopistes Keler, 1939 (Nova Acta Leop-Carol. (n.f.), 8:180) in North America is found on the Chachalaca and the Turkey. For a discussion of the two species see Emerson, 1960 (Florida Ent., 43:195).

For a discussion of Clayia Hopkins, 1941 (J. Ent. Soc. S. Afr., 4:46) see Emerson, 1954 (Proc. Ent. Soc. Wash., 56:203). The genus is not found on native birds.

The genus Colinicola Carriker, 1945 (Rev. Acad. Colomb. Sci., 6:360) apparently is restricted to New World Galliformes. For a discussion of North American species, see Emerson, 1949 (Ento. News, 60:116).

The genus Cuclotogaster Carriker, 1936 (Proc. Acad. Sci. Philad., 88:67) is common on the chicken and may be found on other birds reared in association with chickens. For a review of the genus, see Clay, 1938 (Proc. Zool. Soc. London, (B), 108:135).

The genus Goniocotes Burmeister, 1838 (Handb. Ent., 2:431) is in need of revision for a limited study, see Keler, 1939 (Nova Acta Leop-Carol. (n.f.), 8:134).

The genus Goniodes Nitzsch, 1818, Mag. Ent. Germar, 3:293) is also found on several families of the order Galliformes. For a discussion of the genus see Clay, 1940 (Proc. Zool. Soc. Lond., (B) 110:1). For a key to the North American species, see Emerson, 1950 (J. Kansas Ent. Soc., 23:122).

The genus Lagopoecus Waterston, 1922, (Ent. Month. Mag., 58:159) is also found on Tetraonidae and Phasianidae. For a discussion of the genus see Emerson, 1950 (J. Kansas Ent. Soc., 23:97).

The genus Lipeurus Nitzsch, 1818 (Mag. Ent. Germar, 3:292) is normally found on species of Old World Galliformes, but it is now found occasionally on native birds. For a discussion of the genus, see Clay, 1938 (Proc. Zool. Soc. London, (B), 108:110).

The genus Menacanthus Neumann, 1912 (Arch. Parasit., 15:353) is found in North America on several families of order Galliformes, the order Piciformes, and the order Passeriformes. An adequate study of the genus is not available.

The genus Menopon Nitzsch, 1818 (Mag. Ent. Germar, 3:299) normally occurs only on Old World Galliformes, however, the species found on the chicken can now be found on many native birds.

The genus Numidicola Ewing, 1927 (J. Wash. Acad. Sci., 17:30) is monotypic.

The genus Numidilipeurus Tendeiro, 1955 (Bol. Cult. Guine Port., 9:836) is found on the chicken and the guinea fowl.

The genus Oxylipeurus Mjöberg, 1910 (Ark. Zool., 6:91) is found on several families of the order Galliformes. For discussions of the genus, see Clay, 1938 (Proc. Zool. Soc. Lond. (B), 108:157); Carriker, 1944 (Rev. Brasil Biol., 4:557 and 1945, 5:91); and Keler, 1958 (Dtsch. Ent. Zeits., 5:299).

The genus Somaphantus Paine, 1914 (Smithsonian Misc. Coll., 61; No. 23:1) is known only from introduced birds. For a discussion of the genus, see Emerson, 1958 (Ann. Mag. Nat. Hist., (13) 1:102).

Cracidae

Ortalis vetula (Wagler)--Chachalaca

Amyrisdea spicula Carriker, 1950

Amyrisdea spicula spicula Carriker, 1950.

Rev. Acad. Colomb. Sci., 7:506, figs. 54-55a.

Chelopistes texanus Emerson, 1960

Chelopistes texanus Emerson, 1960. Florida Ent., 43:195, figs. 1-3.

Oxylipeurus chiniri vetulae Carriker, 1944

Oxylipeurus chiniri vetulae Carriker, 1944. Rev. Brasil. Biol., 4:579, figs. 50-53.

Dendragapus obscurus (Say)--Blue Grouse

Goniodes merriamanus Packard, 1873

Goniodes merriamanus Packard, 1873. Rept. U.S.

Geol. Surv., 1872: 731, fig. 59.

Goniodes simoni Clay, 1940. Proc. Zool. Soc. Lond.

(B), 110:44, figs. 1c and 28.

Lagopoecus obscurus Emerson, 1948

Lagopoecus obscurus Emerson, 1948. J. Kansas

Ent. Soc., 21:137, figs. 1-3.

Canachites canadensis (Linnaeus)--Spruce Grouse

Goniodes corpulentus Kellogg and Mann, 1912

Goniodes corpulentus Kellogg and Mann, 1912.

Ent. News, 23:14, figs. 1-2.

Bonasa umbellus (Linnaeus)--Ruffed Grouse

Amyrsidea megalosoma (Overgaard, 1943)

(Type host: Phasianus colchicus Linnaeus).

Goniodes bonasus Emerson, 1948

Goniodes bonasus Emerson, 1948. J. Kansas Ent.

Soc., 21:92, figs. 1-4.

Lagopoecus umbellus Emerson, 1950

Lagopoecus umbellus Emerson, 1950. J. Kansas Ent.

Soc., 23:101, pl. 1, fig. 8, and pl. 2, fig. 6.

Lagopus lagopus (Linnaeus)--Willow Ptarmigan

Amyrsidea lagopi (Grube, 1851)

Menopon lagopi Grube, 1851. In Middendorff, Sibir.

Reise, 2:491, pl. 31, fig. 7.

Menopon striatum Kellogg, 1899. Occ. Pap.

Calif. Acad. Sci., 6:44, pl. 4, fig. 6.

Goniodes lagopi (Linnaeus, 1758)

Pediculus lagopi Linnaeus, 1758. Syst. Nat. ed., 10:614.

Pediculus lagopodis Smelin, 1790. Car. a Linne...Syst.

Nat., ed. 13, 1:2920 (nn for P. lagopi Linnaeus, 1758).

Goniodes chelicornis Children, 1836. In Back, Arctic

Land Exped.: 539.

Goniodes lagopi greenlandicus Carriker, 1945. Rev.
Acad. Colomb. Sci., 6:359, fig. 9.

Gonocephalus lagopi timmermanni Eichler, 1950.
Doriana, 1:6, figs. 8-10.

Lagopoecus affinis (Children, 1836)

Nirmus affinis Children, 1836. In Back, Arctic Land
Exped.: 537.

Lipeurus protervus Kellogg, 1899. Occ. Pap. Calif.
Acad. Sci., 6:31, pl. 3, fig. 4.

Nirmus nigrescens Evans, 1912. Scot. Nat.,
1912: 280.

Lagopus mutus (Montin)--Rock Ptarmigan

Mallophaga found on this host apparently cannot be sep-
arated from those found on Lagopus lagopus (Linnaeus),
and all are listed under that species.

Lagopus leucurus (Richardson)--White-tailed Ptarmigan

Amyrsidea lagopi (Grube, 1851)

(Type host: Lagopus lagopus (Linnaeus)).

Goniodes leucurus Emerson, 1952

Goniodes leucurus Emerson, 1952. J. Kansas
Ent. Soc., 25:29.

Lagopoecus affinis (Children, 1836)

(Type host: Lagopus lagopus (Linnaeus)).

Tympanuchus cupido (Linnaeus)--Greater Prairie Chicken

Amyrsidea megalosoma (Overgaard, 1943)

(Type host: Phasianus colchicus Linnaeus).

Goniodes cupido Rudow, 1870

Goniodes cupido Rudow, 1870. Z. ges. NatWiss.,
35:482.

Tympanuchus pallidicinctus (Ridgway)--Lesser Prairie Chicken

Goniodes cupido Rudow, 1870

(Type host: Tympanuchus cupido (Linnaeus)).

Pedioecetes phasianellus (Linnaeus)--Sharp-tailed Grouse
Amyrsidea megalosoma (Overgaard, 1943)
(Type host: Phasianus colchicus Linnaeus).

Goniodes nebraskensis Carriker, 1945
Goniodes nebraskensis Carriker, 1945. Rev.
Acad. Colomb. Sci., 6:357, figs. 6-8.

Lagopoecus perplexus (Kellogg and Chapman, 1899)
Lipeurus perplexus Kellogg and Chapman, 1899. Occ.
Pap. Calif. Acad. Sci., 6:103, pl. 7, fig. 3.

Centrocercus urophasianus (Bonaparte)--Sage Grouse
Goniodes centrocerci Simon, 1938
Goniodes centrocerci Simon, 1938. J. Kansas Ent.
Soc., 11:104, pl.

Lagopoecus gibsoni Hopkins, 1947
Lagopoecus gibsoni Hopkins, 1947. Ann. Mag. Nat.
Hist., (11), 13:172, figs. 1-3.

Phasianidae

Colinus virginianus (Linnaeus)--Bob-white
Colinicola numidiana (Denny, 1842)
Goniodes numidianus Denny, 1842. Mon. Anopl. Brit.:
57 and 163, pl. 13, fig. 7.
Lipeurus aberrans McGregor, 1917. Psyche, 24:112,
pl. 7, figs. 1-4.

Goniodes ortygis Denny, 1842
Goniodes ortygis Denny, 1842. Mon. Anopl.
Brit.: 56 and 158, pl. 13, fig. 6.
Goniodes dispar minor Piaget, 1880. Les
Pediculines: 248 (nec p. 241).

Menacanthus pricei Wiseman, 1968
Menacanthus pricei Wiseman, 1968. J. Kansas Ent.
Soc., 41:59, pl. I.

- Oxylipeurus clavatus (McGregor, 1917)
Lipeurus clavatus McGregor, 1917. Psyche, 24:115, pl. 7, fig. 3.
Epicolinus cubanus Carriker, 1945. Rev. Brasil. Biol. 5:108.
- Callipepla squamata (Vigors)--Scaled Quail
Colinicola pallida Emerson, 1949
Colinicola pallida Emerson, 1949. Ent. News, 60:116, fig. 2.
- Goniodes squamatus Emerson, 1950
Goniodes squamatus Emerson, 1950. J. Kansas Ent. Soc., 23:122, figs. 7-9.
- Oxylipeurus callipeplus callipeplus (Carriker, 1945)
Epicolinus callipeplus callipeplus Carriker, 1945. Rev. Brasil. Biol., 5:106, figs. 35-38.
- Lophortyx californicus (Shaw)--California Quail
Colinicola docophoroides (Piaget, 1880)
Lipeurus docophoroides Piaget, 1880. Les Pediculines: 357, pl. 28, fig. 9.
Lipeurus docophoroides minhaensis Kellogg and Chapman, 1902, J. N. Y. Ent. Soc., 10:159.
- Goniodes stefani Clay and Hopkins, 1955
 "Goniodes mamillatus" Keler, 1939 (nec Rudow, 1870). Nova Acta Leop.-Carol. (n.f.), 8:88, figs. 45-46.
Goniodes stefani Clay and Hopkins, 1955. Mitt. Hamburg Zool. Mus. Inst., 53:57 (nn for "G. mamillatus" Keler, 1939).
- Oxylipeurus ellipticus (Keler, 1958)
 (Type host: Lophortyx gambelii Gambel).
- Lophortyx gambelii Gambel--Gambel's Quail
Goniodes submamillatus Emerson, 1950
Goniodes submamillatus Emerson, 1950. J. Kansas Ent. Soc., 23:121, figs. 4-6.

Laopoecus gambelii Emerson, 1949

Lagopoecus gambelii Emerson, 1949. J. Kansas Ent. Soc., 22:75, figs. 3-5.

Oxylipeurus ellipticus (Keler, 1958)

Epicolinus ellipticus Keler, 1958. Dtsch. Ent. Zeit., 5:322, figs. 55-56.

Oreortyx pictus (Douglas)--Mountain Quail

Goniodes pictus Emerson, 1950

Goniodes picta Emerson, 1950. J. Kansas Ent. Soc., 23:120, figs. 1-3.

Lagopoecus californicus (Kellogg and Chapman, 1899)

Lipeurus docophoroides californicus Kellogg and Chapman, 1899. Occ. Pap. Calif. Acad. Sci., 6:103.

Cyrtonyx montezumae (Vigors)--Harlequin Quail

Colinicola mearnsi Emerson, 1948

Colinicola mearnsi Emerson, 1948. J. Kansas Ent. Soc., 21:137, figs. 4-6.

Oxylipeurus montezumae Emerson, 1949

Oxylipeurus montezumae Emerson, 1949. J. Kansas Ent. Soc., 22:75, figs. 3-5.

Phasianus colchicus Linnaeus--Ring-necked Pheasant

Amyrsidea megalosoma (Overgaard, 1943)

Menopon megalosomum Overgaard, 1943. Ent. Medd., 23:13, figs. 5-6.

Menopon hexapilosus Vrazic, 1956. Vet. Arhiv. Zagreb, 26:121, 126, and 129.

Cuclotogaster heterographus heterographus (Nitzsch, 1866)
(Type host: Chicken).

Goniocotes chrysocephalus Giebel, 1874

Goniocotes chrysocephalus Giebel, 1874. Insecta Epizoa: 189.

Goniodes colchici Denny, 1842

Goniodes colchici Denny, 1842. Mon. Anopl. Brit.: 56 and 158, pl. 12, fig. 4.

- Goniodes colchicus Giebel, 1874. Insecta
Epizoa: 200.
- Lagopoecus colchicus Emerson, 1949
Lagopoecus colchicus Emerson, 1949. J. Kansas
Ent. Soc., 22:78, fig. 6.
Degeeriella brionica Vrazic, 1956. Vet. Arhiv.
Zagreb., 26:124, 128, and 131.
- Lipeurus maculosus Clay, 1938
Lipeurus maculosus Clay, 1938. Proc. Zool. Soc.
Lond. (B), 108:116, figs. 5a, 6a and pl. 1, fig. e.
- Menacanthus stramineus (Nitzsch, 1818)
(Type host: Meleagris gallopavo Linnaeus).
- Menopon gallinae (Linnaeus, 1758)
(Type host: Chicken).
- Oxylipeurus mesopelios colchicus Clay, 1938
Oxylipeurus mesopelios colchicus Clay, 1938.
Proc. Zool. Soc. Lond. (B), 108:177, pl. 11, fig. 3.
Lipeurus pannonicus Vrazic, 1956. Vet. Arhiv. Zagreb.,
26:123, 127, and 130.
- Alectoris graeca (Meisner)--Chukar
Cuclotogaster obscurior Hopkins, 1950
Lipeurus obscurus Giebel, 1874 (nec Rudow, 1869).
Insecta Epizoa: 220.
Cuclotogaster obscurior Hopkins, 1950. Ann. Mag.
Nat. Hist., (12), 3:230 (nn for L. obscurus Giebel,
1874).
(Type host: Alectoris rufa (Linnaeus)).
- Goniocotes microthorax (Stephens, 1829)
(Type host: Perdix perdix (Linnaeus)).
- Goniodes dispar Burmeister, 1838
(Type host: Perdix perdix (Linnaeus)).
- Menopon pallens Clay, 1949
(Type host: Perdix perdix (Linnaeus)).

Perdix perdix (Linnaeus)--Gray Partridge

Amyrsidea perdicis (Denny, 1842)

Menopon perdicis Denny, 1842. Mon. Anopl. Brit.:
200 and 225, pl. 21, fig. 9.

Cuculotogaster heterogrammicus (Nitzsch, 1866)

Lipeurus heterogrammicus Nitzsch, 1866. In Giebel,
Z. ges. NatWiss., 28:379.

Goniocotes microthorax (Stephens, 1829)

Goniodes microthorax Stephens, 1829. Cat. Brit.
Ins., 2:333.

Goniocotes alatus Piaget, 1885. Les Pediculines,
Supplement: 45, pl. 5, fig. 4.

Goniocotes simillimus Keler, 1937. Arb. morph.
tax. Ent. Berlin-Dahlem, 4:128, figs. 1-2.

Goniodes dispar Burmeister, 1838

Goniodes dispar Burmeister, 1838. Handb. Ent.,
3:432.

Goniodes flaviceps Rudow, 1869. Beitr. Kennt. Malloph.:
28.

Goniodes truncatus Giebel, 1874. Insecta Epizoa: 194.

Goniodes brevantennatus Piaget, 1885. Les
Pediculines, Supplement: 50, pl. 5, fig. 8.

Solenodes cypricus Keler, 1939. Nova Acta Leop.-Carol.
(n.f.), 8:107, fig. 56.

Menopon pallens Clay, 1949

Menopon pallescens Nitzsch, 1874 (nec Giebel, 1866).
In Giebel, Insecta Epizoa: 293.

Menopon pallescens major Piaget, 1880. Les
Pediculines: 471.

Menopon pallescens pallida Piaget, 1880. Les
Pediculines: 471.

Menopon pallens Clay, 1949. Ann. Mag. Nat. Hist.,
(12) 2:901 (nn for M. pallescens Nitzsch, 1874).

Menopon pallens Hopkins, 1950 (nec Clay, 1949). Ann.
Mag. Nat. Hist., (12), 3:240 (nn for M. pallescens
Nitzsch, 1874).

Pavo cristatus (Linnaeus)--Domestic Peafowl

Amyrsidea minuta Emerson, 1961

Amyrsidea minuta Emerson, 1961. Florida Ent.,
44:117, figs. 1-3.

Amyrsidea phaeostoma (Nitzsch, 1866)

Menopon phaeostomum Nitzsch, 1866. In Giebel,
Z. ges. NatWiss, 28:391.

Colpocephalum taursi (Ansari, 1951)

Galliferrisia taursi Ansari, 1951. Proc. Nat. Inst.
Sci. India, 17:151, fig. 10.

Goniocotes parviceps (Piaget, 1880)

Goniodes parviceps Piaget, 1880. Les Pediculines:
277, pl. 23, fig. 2.

Goniocotes yngareisuf Eichler, 1950. Doriana,
1:4, figs. 3-4.

Goniocotes rectangulatus Nitzsch, 1866.

Goniocotes rectangulatus Nitzsch, 1866.

In Giebel, Z. ges. NatWiss., 28:389.

Goniocotes rectangulus Giebel, 1874. Insecta
Epizoa: 185 (nn for G. rectangulatus Nitzsch, 1866).

Goniodes meinertzhageni Clay, 1940.

Goniodes meinertzhageni Clay, 1940. Proc. Zool.
Soc. Lond. (B), 110:9, figs. 1b, 4b, 6, 7, and 9b.

Goniodes pavonis (Linnaeus, 1758)

Pediculus pavonis Linnaeus, 1758. Syst. Nat. ed.
10:613.

Nirmus tetragonocephalus Olfers, 1816.

De Veget. . . :90.

Philopterus falcicornis Nitzsch, 1818. Mag. Ent.
Germar, 3:293.

Lipeurus pavo Clay, 1938

Lipeurus pavo Clay, 1938. Proc. Zool. Soc. Lond.
(B), 108:125, figs. 2c, 4d, 7d, 10a, and pl. 4, figs. 1.

Menacanthus stramineus (Nitzsch, 1818)

(Type host: Meleagris gallopavo Linnaeus).

Domestic Chicken*

Cuclotogaster heterographus heterographus (Nitzsch, 1866)

Lipeurus heterographus Nitzsch, 1866. In Giebel,
Z. ges. NatWiss, 28:381.

Goniocotes burnetti Packard, 1870. Amer. Nat.,
4:94, fig. 26.

Lipeurus pallidus Giebel, 1874. Insecta Epizoa: 219.

Lipeurus heterographus major Piaget, 1880. Les
Pediculines: 362.

Goniocotes eynsfordii Theobald, 1896.

Parasitic Diseases Poultry: 26, fig. 8.

Cuclotogaster laticorpus Carriker, 1936. Proc.
Acad. Nat. Sci. Philad., 88:67, pl. 1, fig. 2.

Goniocotes gallinae (deGeer, 1778)

Ricinus gallinae deGeer, 1778. Mem. Hist. Ins.,
7:79, pl. 4, fig. 15.

Philopterus hologaster Nitzsch, 1818. Mag. Ent.,
Germar, 3:294 (nn for R. gallinae deGeer, 1778).

Goniodes dissimilis Denny, 1842

Goniodes dissimilis Denny, 1842. Mon. Anopl. Brit.:
57 and 1962, pl. 12, fig. 6.

Goniodes dissimilis bankiva Piaget, 1880. Les
Pediculines: 269.

Goniodes gigas (Taschenberg, 1879)

(Type host: Numida meleagris Linnaeus).

Lagopoecus sinensis (Sugimoto, 1930)

Degeeriella sinensis Sugimoto, 1930. J. Soc. Trop.
Agric. Taiwan, 2:130, pl. 3-4.

Lipeurus caponis (Linnaeus, 1758)

Pediculus caponis Linnaeus, 1758. Syst. Nat. ed.
10:614.

Lipeurus variabilis Burmeister, 1838. Handb. Ent.,
2:434.

Nirmus tessellatus Denny, 1842. Mon. Anopl. Brit.:
49 and 121, pl. 7, fig. 2.

* For a complete discussion, see Emerson, J. Kansas Ent.
Soc., 1956, 29:63 and 1957, 30:9.

Lipeurus antennatus Piaget, 1885 (nec Giebel 1874).
Les Pediculines, Supplement: 75, pl. 8, fig. 3.
Lipeurus variabilis alpha Kellogg, 1908. In Wytsman's
Gen. Ins., 66, Mallophaga: 45.
Lipeurus variabilis beta Kellogg, 1908. In Wytsman's
Gen. Ins., 66, Mallophaga: 45.
Lipeurus lineatus McGregor, 1917 (nec Giebel, 1874).
Psyche, 24:114, pl. 7, figs. 2 and 5.
Lipeurus dovei McGregor, 1918. Psyche, 25:46 (nn
for L. lineatus McGregor, 1917 nec Giebel, 1874).
Lipeurus formosanus Sugimoto, 1929 (nec Uchida, 1917).
Rept. Dept. Agri. Res. Inst. Formosa, 43:53.
Lipeurus caponis borcherti Eichler, 1953. Mh.
Vet. Med., 8:566, fig.
Lipeurus bakeri Carriker, 1956. Florida Ent., 39:128,
fig. 76 (? , type is a nymph).

Menacanthus cornutus (Schrömmmer, 1913)

Menopon cornutum Schömmmer, 1913. Über die Mallophagen.:
64 and 71, pl. 7, fig. 29.

Menacanthus pallidulus (Neumann, 1912)

Menopon pallidulum Neumann, 1912. Arch. Parasit.,
15:361, figs. 7-9.

Menacanthus stramineus (Nitzsch, 1818)

(Type host: Meleagris gallopavo Linnaeus).

Menopon gallinae (Linnaeus, 1758)

Pediculus gallinae Linnaeus, 1758. Syst. Nat., ed.
10:613.

Nirmus trigonocephalus Olfers, 1816. De Veget...:90.

Liotheum pallidum Nitzsch, 1818. Mag. Ent. Germar,
3:299.

Menopon productum Piaget, 1880. Les Pediculines:
461, pl. 37, fig. 8.

Menopon productum major Piaget, 1880. Les Pediculines:
462.

Menopon subaequale producta Piaget, 1885. Les
Pediculines, Supplement: 109.

Menopon brevipes Piaget, 1885. Les Pediculines,
Supplement: 110, pl. 12, fig. 1

Menopon longicephalum Kellogg, 1896. Proc. Calif. Acad. Sci., 6:535, pl. 73, fig. 4.

Menopon lunalale Eichler, 1947. Ark. Zool., 39A, no. 2:17, figs. 35-38.

Numidilipeurus lawrensis tropicalis (Peters, 1931)

Lipeurus tropicalis Peters, 1931. Ent. News, 42:195, figs. 1-2.

Oxylipeurus dentatus (Sugimoto, 1934)

Lipeurus dentatus Sugimoto, 1934. Taiwan no Chikusan, 2:2, figs. 1-12.

Lipeurus denticlypeus Sugimoto, 1934. Zoological Record, 72, Insecta: 419 (nn for L. dentatus Sugimoto, 1934).

Lipeurus angularis Peters, 1935. Ohio J. Sci., 35: 102, figs. 1-3.

Numididae

Numida meleagris (Linnaeus)--Domestic Guinea Fowl

Amyrsidea desousai (Keler, 1953)

Menacanthus desousai Keler, 1953.
Mocambique, no. 72:29, figs. 12-13.

Clayia theresae Hopkins, 1941

Clayia theresae Hopkins, 1941. J. Ent. Soc. S. Afr., 4:46.

Colpocephalum tausi (Ansari, 1951)

(Type host: Pavo cristatus (Linnaeus).)

Goniocotes maculatus Taschenberg, 1882

Goniocotes hologaster maculatus Taschenberg, 1882.
Nova Acta Leop.-Carol., 44:76, pl. 3, fig. 3.

Goniocotes nigromaculatus Mjöberg, 1910. Ark. Zool., 6:107, fig. 62.

Goniocotes numidae Keler, 1939. Nova Acta Leop.-Carol. (n.f.), 8:147 and 226, figs. 81-82.

Goniocotes valdezi Tendeiro, 1954. Bol. Cult. Guine Port., 9:327, fig. 13 and plate 16.

Goniodes gigas (Taschenberg, 1879)

Goniocotes hologaster Denny, 1842 (nec Nitzsch, 1818).

Mon. Anopl. Brit.: 56 and 153, pl. 13, fig. 4.

Goniocotes gigas Taschenberg, 1879. Z. ges. NatWiss.,
52:104, pl. 1, fig. 10.

Goniocotes abdominalis Piaget, 1880. Les

Pediculines: 238, pl. 20, fig. 9.

Goniodes numidae Mjöberg, 1910

Goniodes numidae Mjöberg, 1910. Ark. Zool., 6:102,
figs. 60-61.

Goniodes fimbriatus Neumann, 1913. Arch. Parasit.,
15:629, figs. 19-20.

Goniodes perlatus Clay, 1940. Proc. Zool. Soc.

Lond. (B), 110:30, figs. 19-20.

Lipeurus numidae (Denny, 1842)

Nirmus numidae Denny, 1842. Mon. Anopl. Brit.:

48 and 115, pl. 10, fig. 5.

Lipeurus numidianus Mjöberg, 1910. Ark. Zool.,
6:87, pl. 3, figs. 4 and 6.

Menacanthus numidae (Giebel, 1874)

Menopon numidae Giebel, 1874. Insecta Epizoa: 292.

Menacanthus stramineus (Nitzsch, 1818)

(Type host: Meleagris gallopavo Linnaeus).

Menopon gallinae (Linnaeus, 1758)

(Type host: Chicken).

Numidicola antennatus (Kellogg and Paine, 1911)

Menopon antennatum Kellogg and Paine, 1911. Bull.

Ent. Res., 2:150, pl. 5, fig. 1.

Numidicola longicornis Ewing, 1927. J. Wash. Acad.
Sci., 17:91.

Numidilipeurus lawrensis lawrensis (Bedford, 1929)

Lipeurus lawrensis Bedford, 1929. Rept. Vet. Res. S.
Afr., 15:521, figs. 22-24.

Numidilipeurus lawrensis tropicalis Peters, 1931

(Type host: Chicken).

Somaphantus lusius Paine, 1914

Somaphantus lusius Paine, 1914. Smithsonian Mis.
Coll., 61, No. 23, fig. 1.

Meleagridae

Meleagris gallopavo Linnaeus--Turkey

Chelopistes meleagridis (Linnaeus, 1758)

Pediculus meleagridis Linnaeus, 1758. Syst. Nat.,
ed. 10:613.

Philopterus styliifer Nitzsch, 1818. Mag. Ent. Germar,
3:294 (nn for P. meleagridis Schrank, 1781).

Rhopaloceras styliiferum Taschenberg, 1882. Nova
Acta Leop.-Carol., 44:47.

Colpocephalum tausi (Ansari, 1951)

(Type host: Pavo cristatus (Linnaeus)).

Lipeurus caponis (Linnaeus, 1758)

(Type host: Chicken).

Menacanthus stramineus (Nitzsch, 1818)

Pediculus meleagridis Panzer, 1793 (nec Linnaeus,
1758). Faun. Ins. Germ: 51, fig. 20.

Menopon stramineum Nitzsch, 1818. Mag. Ent. Germar,
3:300 (nn for P. meleagridis Panzer, 1793).

Menopon biseriatum Piaget, 1880. Les Pediculines:
469, pl. 37, fig. 2.

Zemiodes zumpti Eichler, 1944. Z. hyg. Zool.,
35:172, fig. 1.

Menopon gallinae (Linnaeus, 1758)

(Type host: Chicken).

Oxylipeurus corpulentus Clay, 1938

Oxylipeurus corpulentus Clay, 1938. Proc. Zool. Soc.
Lond. (B), 108:183, figs. 27b, 38, 39, and pl. 12,
fig. 1.

Oxylipeurus polytrapezius polytrapezius (Burmeister, 1838)

Lipeurus polytrapezius Burmeister, 1838. Handb. Ent.,
2:434.

GRUIFORMES

The genus Esthipterum Harrison, 1916 (Parasitology, 9:26) is restricted to Gruidae.

The genus Fulicoffula Clay and Meinertzhagen, 1938 (Entomologist, 71:5) apparently is restricted to Rallidae. For a limited discussion of the genus see Emerson, 1960 (J. Kansas Ent. Soc., 33:162).

The genus Gruimenopon Clay and Meinertzhagen, 1941 (Ann. Mag. Nat. Hist., (11), 7:339) is restricted to Gruidae.

The genus Helenomus Ferris, 1916 (Canad. Ent., 48:305) is restricted to Gruidae. For a discussion of the genus, see Price, 1970 (Ann. Ent. Soc. Amer., 63:1162).

The genus Ibidoecus Cummings, 1916 (Proc. Zool. Soc. London, 1916:663) is found on Aramidae and Threskiornithidae, order Ciconiiformes.

The genus Incidifrons Ewing, 1929, (Manual External Parasites: 111 and 189) apparently is restricted to Rallidae.

The genus Laemobothrion Nitzsch, 1818 (Mag. Ent. Germar, 3:301) is found on Aramidae and Rallidae; and Falconiformes and Podicipitiformes. Only the forms found on Falconiformes have been recently reviewed.

The genus Pseudomenopon Mjöberg, 1910 (Ark. Zool., 6:50) is found on Aramidae and Rallidae; and Jacanidae, order Charadriiformes; and Podicipitiformes. The only review available is Lucinska, 1969 (Bull. Ent. Polon., 39:355); and it is inadequate for the North American species.

The genus Rallicola Johnston and Harrison, 1911 (Proc. Linn. Soc. N. S. W., 36:324) is found on Aramidae and Rallidae, order Gruiformes; and the family Jacanidae, order Charadriiformes. For discussions of the genus, see Clay, 1953 (Proc. Zool. Soc. Lond., 123:563) and Emerson, 1955 (Ann. Ent. Soc. Amer., 48:284 and 1957, Proc. Ent. Soc. Wash., 59:185).

The genus Saemundssonina Timmermann, 1935 (Zool. Anz., 114:97) is also found on Gruidae, but no species from North American hosts have been described.

Gruidae

Grus americana (Linnaeus)--Whooping Crane
Helenomus assimilis (Piaget, 1880)
Colpocephalum assimile Piaget, 1880. Les
Pediculines: 544.

Grus canadensis (Linnaeus)--Sandhill Crane
Esthiopterum brevicephalus (McGregor, 1917)
Lipeurus brevicephalus McGregor, 1917. Psyche,
24:105, pl. 5, figs. 2-3.

Gruimenopon canadense Edwards, 1949
Gruimenopon canadensum Edwards, 1949.
Psyche, 56:116, pl. 6, figs. 1-4.

Heleonomus assimilis (Piaget, 1880)
(Type host: Grus americana (Linnaeus)).

Aramidae

Aramus guarauna (Linnaeus)--Limpkin
Ibidoecus scolopaceus Carriker, 1947
Ibidoecus scolopaceus scolopaceus Carriker, 1947.
Bol. Ent. Venezol., 6:131, figs. 17-19.

Laemobothrion cubense Kellogg and Ferris, 1915
Laemobothrion setigerum cubensis Kellogg and
Ferris, 1915. Ann. Durban Mus., 1:149, pl. 15,
fig. 2.

Pseudomenopon stresemanni Eichler, 1949
Pseudomenopon stresemanni Eichler, 1949.
Ornithologie als biologische Wissenschaft: 250,
figs. 1-6.

Rallicola funebris (Nitzsch, 1866)
Nirmus funebris Nitzsch, 1866. In Giebel, Z. ges.
NatWiss., 28:371.
Rallicola bresslauri Pessoa and Guimaraes, 1935. Ann.
Fac. Med. S. Paulo, 11:169, figs. 1-6.

Rallidae

Rallus elegans Audubon--King Rail
Rallicola ortygometrae californicus (Kellogg and Chapman,
1899)
(Type host: Rallus longirostris Boddaert).

Rallus longirostris Boddaert--Clapper Rail

Rallicola ortygometrae californicus (Kellogg and Chapman, 1899)

Oncophorus bisetosus californicus Kellogg and Chapman, 1899. Occ. Pap. Calif. Acad. Sci., 6:106, pl. 7, fig. 6.

Rallus limicola Vieillot--Virginia Rail

Fulicoffula comstocki (Kellogg and Chapman, 1902)

Lipeurus comstocki Kellogg and Chapman, 1902. J. N. Y. Ent. Soc., 10:23, pl. 3, fig. 2.

Incidifrons monachus (Kellogg and Paine, 1911)

Docophorus pertusus monachus Kellogg and Paine, 1911. Ent. News, 22:75, fig. 1.

Rallicola kelloggi Emerson, 1957

Rallicola kelloggi Emerson, 1957. Proc. Ent. Soc. Wash., 59:188, fig. 3.

Porzana carolina (Linnaeus)--Sora

Fulicoffula americana Emerson, 1960

Fulicoffula americana Emerson, 1960. J. Kansas Ent. Soc., 33:162, figs. 1-4.

Fulicoffula distincta Emerson, 1960

Fulicoffula distincta Emerson, 1960. J. Kansas Ent. Soc., 33:162, figs. 5-7.

Pseudomenopon gadrii Eichler, 1952

(Type host: Porzana porzana (Linnaeus))

Pseudomenopon gadrii Eichler, 1952. Zool. Anz., 148:35, figs. 12-14.

Rallicola mystax (Giebel, 1874)

(Type host: Porzana porzana Linnaeus).

Nirmus mystax Giebel, 1874. Insecta Epizoa: 301.

Rallicola ortygometrae subporzanae Emerson, 1957

Rallicola ortygometrae subporzanae Emerson, 1957. Proc. Soc. Wash., 59:186, fig. 2.

Coturnicops noveboracensis (Gmelin)--Yellow Rail

Rallicola porzanae (Piaget, 1889)

Oncophorus bisetosus porzanae Piaget, 1880. Les
Pediculines: 218.

Crex crex (Linnaeus)--Corn Crane

Pseudomenopon crecis Bechet, 1963

Pseudomenopon crecis Bechet, 1963. Stud. Univ.
Babes-Bolyai, ser. Biol., 2:75, 6-9.

Rallicola ortygometrae ortygometrae (Schrank, 1781)

Pediculus ortygometrae Schrank, 1781. Enum. Ins.
Austr. Indig.: 503.

Nirmus attenuatus Burmeister, 1838. Handb. Ent.,
2:428 (nn for P. ortygometrae Schrank, 1781).

Porphyryla martinica (Linnaeus)--Purple Gallinule

Rallicola elliotti Emerson, 1955

Rallicola elliotti Emerson, 1955. Ann. Ent. Soc.
Amer. 48:296, figs. 23 and 25.

Gallinula chloropus (Linnaeus)--Common Gallinule

Fulicoffula gallinula Carriker, 1953

Fulicoffula gallinula Carriker, 1953. Florida Ent.,
36:158, figs. 4-6.

Incidifrons gallinulae Blagoveshtchensky, 1951

Incidifrons pertusus gallinulae Blagoveshtchensky, 1951.
Mag. Parasit., Leningr. 13:293, fig. 9.

Laemobothrion chloropodis (Schrank, 1803)

Pediculus chloropodis Schrank, 1803. Fauna
Boica: 189.

Pseudomenopon pilosum (Scopoli, 1763)

(Type host: Fulica atra (Linnaeus)).

Rallicola minutus (Nitzsch, 1866)

Nirmus minutus Nitzsch, 1866. In Giebel, Z. ges
NatWiss., 28:375.

Nirmus parvulus Piaget, 1880. Les Pediculines:
669, pl. 55, fig. 6.

Rallicola bisetosa microcephala Uchida, 1948. Jap.
Med. J., 1:307.

Fulica atra Linnaeus--European Coot

Fulicoffula lurida (Nitzsch, 1818)

Philopterus luridus Nitzsch, 1818. Mag. Ent.

Germar, 3:292. (nn for Redi's plate 4, fig. 11).

Incidifrons fulicae (Linnaeus, 1758)

Pediculus fulicae Linnaeus, 1758. Syst. Nat., ed.
10:613.

Docophorus pertusus Burmeister, 1838. Handb. Ent.,
2:436.

Laemobothrion atrum (Nitzsch, 1818)

Liotheum atrum Nitzsch, 1818. Mag. Ent. Germar,
3:302.

Laemobothrion nigrum Burmeister, 1838. Handb.
Ent., 2:442.

Laemobothrion lathrobium Kolenati, 1846. Melet.
Ent., 5:139, pl. 19, fig. 6.

Pseudomenopon pilosum (Scopoli, 1763)

Pediculus pilosum Scopoli, 1763. Ent. Carniolic: 384.

Menopon tridens Burmeister, 1838. Handb. Ent.,
2:440.

Menopon tridens major Piaget, 1880. Les Pediculines:
480 (nec p. 441).

Menopon tridens pacificum Kellogg, 1896. Proc.
Calif. Acad. Sci., 6:166.

Pseudomenopon thompsoni Eichler, 1937. S. B. Ges.

Naturf. Fr. Berlin, 1937: 97. (nn for Menopon tridens
major Piaget, 1880).

Rallicola fulicae (Denny, 1842)

Rallicola fulicae Denny, 1842. Mon. Anopl. Brit.:
50 and 125, pl. 9, fig. 2.

Fulica americana Gmelin--American Coot

Fulicoffula longiphila (Kellogg, 1896)

Lipeurus longiphilus Kellogg, 1896. Proc. Calif.
Acad. Sci., 6:119, pl. 7, fig. 7.

Lipeurus picturatus Kellogg, 1896. Proc. Calif. Acad.
Sci., 6:121, pl. 8, figs. 1 and 2.

Incidifrons transpositus (Kellogg, 1896)

Docophorus transpositus Kellogg, 1896. Proc.
Calif. Acad. Sci., 6:47, pl. 65, fig. 6.

Laemobothrion atrum (Nitzsch, 1818)

(Type host: Fulica atra Linnaeus).

Pseudomenopon pilosum (Scopoli, 1763)

(Type host: Fulica atra Linnaeus).

Rallicola advenus (Kellogg, 1896)

Oncophorus advena Kellogg, 1896. Proc. Calif.
Acad. Sci., 6:133, pl. 11, figs. 1 and 2.

Docophorus minuto-trabeculatus Osborn, 1896
Bull. U.S. Bur. Ent. (n. s.), 5:221.

CHARADRIIFORMES

The genus Actornithophilus Ferris, 1916 (Canad. Ent., 48:303) in North America is found only on this order. Clay, 1962 (Bull. Brit. Mus. (N. H.), Ent., 11:191) provides a key to the known species, illustrations for many species, and an excellent discussion of host-parasite relationships.

The genus Austromenopon Bedford, 1939 (Onderstepoort J. Vet. Sci., 12:122) is found on Phaethontidae, order Pelecaniformes; and this order. Clay, 1959 (Proc. R. Ent. Soc. London, (B), 28:157) contains a key and limited discussion of distribution of species found on the Charadriiformes.

The genus Carduiceps Clay and Meinertzhagen, 1939 (Ann. Mag. Nat. Hist., (11), 4:451) apparently is restricted to certain species of Scolopacidae. For a discussion of the genus, see Timmermann, 1954 (Ann. Mag. Nat. Hist., (12), 7:40).

The genus Cirrophthirius Timmermann, 1953 (Bombus, nos. 78/79:330) is known in North America from the Avocet.

The genus Cumminsella Ewing, 1930 (Proc. Biol. Soc. Wash., 42:125) is found only on Scolopacidae. No comprehensive study of the genus is available.

The genus Haffneria Timmermann, 1966 (Mitt. Hamburg. Zool. Mus. Inst., 63:85) is monotypic and found only on Stercorariidae.

The genus Lunaceps Clay and Meinertzhagen, 1939 (Ann. Mag. Nat. Hist., (11), 4:450), is found on Haematopodidae and Scolopacidae. For a study of this genus, see Timmermann, 1954 (Ann. Mag. Nat. Hist., (12), 7:623).

The genus Quadraceps Clay and Meinertzhagen, 1939 (Ann. Mag. Nat. Hist., (11), 4:453) is found on North American Kingfishers and this order. No comprehensive study of the genus is available; however, several lesser studies are published. For an excellent study of the forms found on the Tringinae, see Hopkins and Timmermann, 1954 (Trans. R. Ent. Soc. London, 105:131). For a review of the forms found on the Larinae, see Timmermann, 1952 (Ann. Mag. Nat. Hist., (12), 5:211 and 595). For a review of the forms found on the Sterninae, see Timmermann, 1952 (Zool. Anz., 148:71). For a review of the genus found on the Phalaropodidae, see Timmermann, 1955 (Ann. Mag. Nat. Hist., (12), 8:516). Zlotorzyczka, 1967 (Bull. Ent. Polon., 37:705) provides a summary of species. More than one species of this genus may be found on some host species. Also, apparently some species of Charadriiformes do not normally have parasites of this genus.

The genus Rallicola Johnston and Harrison, 1911 (Proc. Linn. Soc. N. S. W., 36:324) is found only on Jacanidae of this order, and Aramidae and Rallidae, order Gruiformes.

The genus Rhynonirmus Thompson, 1935 (Parasitology, 27:281) is found only on certain species of Scolopacidae. For a key to the species of the genus, see Clay, 1961 (Bull. Brit. Mus. (N. H.), Ent., 11:52).

The genus Rotundiceps Edwards, 1952 (Psyche, 59:28) is known only from the Godwits.

The genus Saemundssonina Timmermann, 1935 (Zool. Anz., 114:97) is found on Procellariiformes; Gruidae, order Gruiformes; Phaethontidae, order Pelecaniformes; and this order. No comprehensive study of the genus is available. For a discussion of the species found on the Sterninae, see Ward, 1955 (Proc. U. S. Nat. Mus., 105:83). For a discussion of the species found on Larinae, see Timmermann, 1951 (Parasit. News, 1:1).

Jacanidae

Jacana spinosa (Linnaeus)--Jacana

Rallicola exiguifrons (Carriker, 1944)

Parricola exiguifrons Carriker, 1944. Bol. Ent. Venezol., 3:97, pl. 5, figs. 5-7.

Haematopodidae

Haematopus ostralegus Linnaeus--European Oystercatcher

Actornithophilus grandiceps (Piaget, 1880)

Colpocephalum grandiceps Piaget, 1880. Les Pediculines: 558, pl. 46, fig. 7.

Colpocephalum laticeps Mjöberg, 1910 (nec Kellogg, 1896).
Ark. Zool., 6:42, pl. 2, fig. 4.

Austromenopon haematopi Timmermann, 1954

Austromenopon haematopi Timmermann, 1954.
Bonn. Zool. Beitr., 5:199, fig. 6.

Lunaceps haematopi Timmermann, 1954

Lunaceps haematopi Timmermann, 1954. Ann. Mag.
Nat. Hist., (12), 7:635.

Quadriceps auratus (deHaan, 1829)

Docophorus auratus deHaan, 1829. In Lyonet, Mem.
Mus. Hist. Paris, 18:272 and 310, pl. 13, fig. 9.

Nirmus haematopi Denny, 1842. Mon. Anopl. Brit.:
50 and 126, pl. 10, fig. 3.

Nirmus ochropygos Nitzsch, 1866. In Giebel, Z. ges.
NatWiss., 28:372.

Saemundssonina haematopi (Linnaeus, 1758)

Pediculus haematopi Linnaeus, 1758. Syst. Nat.,
ed. 10:613.

Pediculus haematopodis Gmelin, 1788. Syst. Nat.: 2919
(nn for P. haematopi Linnaeus, 1758).

Nirmus glaucus Stephens, 1829. Cat. Brit. Ins.:332
(nn for P. haematopodis "Linnaeus").

Docophorus acanthus Giebel, 1874. Insecta Epizoa: 101.

Docophorus haematopi Giebel, 1874. Insecta Epizoa: 101.
(nn for D. acanthus Giebel, 1874).

Nirmus ridgwayi Kellogg, 1906. Trans. Amer. Ent.
Soc., 32:317.

Haematopus palliatus Temminck--American Oystercatcher

Mallophaga found on this host apparently cannot be separated
from those found on Haematopus ostralegus Linnaeus, and
all are listed under that species.

Haematopus bachmani Audubon--Black Oystercatcher

Mallophaga found on this host apparently cannot be separated
from those found on Haematopus ostralegus Linnaeus, and
all are listed under that species.

Charadriidae

Vanellus vanellus (Linnaeus)--Lapwing

Actornithophilus gracilis (Piaget, 1880)

Colpocephalum gracile Piaget, 1880. Les Pediculines:
555, pl. 46, fig. 5.

Liotheum scopularium Neumann, 1912, Arch. Parasit.,
15:370, fig. 16.

Actornithophilus svobodae Balat, 1953. Zool. Ent.
Listy. 2:100, 101, 105, fig. 4.

Actornithophilus svobodai Balat, 1957. Acta Veterinaria,
7:445 (nn for A. svobodae Balat, 1953).

Austromenopon aegialitidis (Durrant, 1906)

(Type host: Charadrius vociferus Linnaeus).

Quadriceps junceus (Scopoli, 1763)

Pediculus junceus Scopoli, 1763. Ent. Carniolica: 384.

Pediculus vanelli Schrank, 1803. Fauna Boica: 190.

Saemundssonina platygaster temporalis (Giebel, 1874)

Docophorus temporalis Giebel, 1874. Insecta Epizoa:
102.

Charadrius hiaticula Linnaeus--Ringed Plover

Actornithophilus ochraceus (Nitzsch, 1818)

(Type host: Pluvialis apricaria (Linnaeus)).

Austromenopon aegialitidis (Durrant, 1906)

(Type host: Charadrius vociferus Linnaeus).

Quadriceps fissus (Burmeister, 1838)

Nirmus fissus Burmeister, 1838. Handb. Ent., 2:427.

Nirmus hiaticulae Denny, 1842 (nec O. Fabricius, 1780).
Mon. Anopl. Brit.: 52 and 136, pl. 11, fig. 10.

Nirmus crassipes Denny, 1852. List. Brit. Animals in
Brit. Mus., pt. II, Anoplura: 21 (nn for N. fissus
Burmeister, 1838).

Nirmus opacus Kellogg and Chapman, 1899. Occ. Pap.
Calif. Acad. Sci., 6:83, pl. 6, fig. 6.

Quadriceps hiaticulae hiaticulae (O. Fabricius, 1780).

Pediculus hiaticulae O. Fabricius, 1780. Fauna
Groenlandica: 220.

Quadriceps praegracilis Carriker, 1956. Rev. Brasil.
Ent., 5:136, fig. 22.

Saemundssonina platygaster platygaster (Denny, 1842)

Docophorus platygaster Denny, 1842. Mon. Anopl. Brit.:
44 and 83, pl. 2, fig. 5.

Docophorus peristicta Kellogg and Kuwana, 1902.

Proc. Wash. Acad. Sci., 4:462, pl. 28, fig. 2.

Philopterus chenamycha Seguy, 1949. Mem. Inst. Sci.
Madagascar, 2A:166, figs. 3-5.

Saemundssonina optimalis Eichler, 1953. In Neithammer,
Bonn. Zool. Beitr., 4:275, fig. 37.

Charadrius semipalmatus Bonaparte--Semipalmated Plover

Actornithophilus ochraceus (Nitzsch, 1818)

(Type host: Pluvialis apricaria (Linnaeus)).

Actornithophilus sabulosus Clay, 1962

Actornithophilus sabulosus Clay, 1962. Bull. Brit.
Mus. (N. H.), Ent., 11:228, pl. 4, fig. 3; pl. 9,
fig. 1; and t. f. 7, 12, 18, 61 and 62.

Austromenopon aegialitidis (Durrant, 1906)

(Type host: Charadrius vociferus Linnaeus).

Quadriceps fissus (Burmeister, 1838)

(Type host: Charadrius hiaticula Linnaeus).

Quadriceps hiaticulae hiaticulae (O. Fabricius, 1780).

(Type host: Charadrius hiaticula Linnaeus).

Saemundssonina platygaster platygaster (Denny, 1842)

(Type host: Charadrius hiaticula Linnaeus).

Charadrius melodus Ord--Piping Plover

Actornithophilus ochraceus (Nitzsch, 1818)

(Type host: Pluvialis apricaria (Linnaeus)).

Austromenopon aegialitidis (Durrant, 1906)

(Type host: Charadrius vociferus Linnaeus).

Quadriceps assimilis major (Kellogg, 1899)
(Type host: Charadrius alexandrinus Linnaeus).

Saemundssonina platygaster platygaster (Denny, 1842)
(Type host: Charadrius hiaticula Linnaeus).

Charadrius alexandrinus Linnaeus--Snowy Plover
Actornithophilus ochraceus (Nitzsch, 1818)
(Type host: Pluvialis apricaria (Linnaeus)).

Austromenopon aegialitidis (Durrant, 1906)
(Type host: Charadrius vociferus Linnaeus).

Quadriceps assimilis major (Kellogg, 1899)
Nirmus fissus major Kellogg, 1899. Occ. Pap. Calif.
Acad. Sci., 6:15, pl. 2, fig. 2.
Nirmus macrocephalus Waterston, 1914. Ann. S. Afr.
Mus., 10:284, pl. 35, figs. 2 and 5.
Quadriceps pyadis pallasi Timmermann, 1953. Zool.
Anz., 150:181.
Quadriceps retractus Zlotorzycska, 1967. Bull. Ent.
Polon., 37:722, pl. 2, photograph 4 and pl. 5, photo-
graph 4.

Saemundssonina platygaster platygaster (Denny, 1842)
(Type host: Charadrius hiaticula Linnaeus).

Charadrius mongolus Pallas--Mongolian Plover

Charadrius wilsonia Ord--Wilson's Plover
The species of Mallophaga found on these hosts apparently
are the same as those found on Charadrius alexandrinus
Linnaeus.

Charadrius vociferus Linnaeus--Killdeer
Actornithophilus hoplopteri maculosus Carriker, 1963
Actornithophilus hoplopteri maculosus Carriker, 1963.
Rev. Brasil. Biol., 23:294, figs. 1-2.
Actornithophilus hoplopteri peruvianus Carriker, 1963.
Rev. Brasi. Biol., 23:295, fig. 3.

- Austromenopon aegialitidis (Durrant, 1906)
Menopon aegialitidis Durrant, 1906. Ohio. Nat.,
6:529, fig. 1c.
Austromenopon yanelli Zlotorzycska, 1968. Bull. Ent.
Pologne, 38:320, figs. 9-11.
- Quadriceps hiaticulae boeophilus (Kellogg, 1896)
Nirmus boeophilus Kellogg, 1896. Proc. Calif. Acad.
Sci., 6:107, pl. 5, fig. 7.
Nirmus parallelus Osborn, 1896. Bull. U. S. Bur.
Ent. (n.s.) 5:229, pl. 2, fig. d.
- Saemundssonina conica conica (Denny, 1842)
(Type host: Pluvialis apricaria (Linnaeus)).
- Eupoda montana (Townsend)--Mountain Plover
Quadriceps assimilis assimilis (Piaget, 1890)
Nirmus assimilis Piaget, 1890. Proc. Ent. Soc.
London, 1890:23, fig.
(Type host: Eupoda asiatica (Pallas)).
- Eudromias morinellus (Linnaeus)--Dotterel
Actornithophilus ochraceus (Nitzsch, 1818)
(Type host: Pluvialis apricaria (Linnaeus)).
- Quadriceps charadrii punctifer Hopkins, 1949
Nirmus punctatus (Giebel, 1874) (nec Burmeister, 1838).
Insecta Epizoa: 156.
Quadriceps punctifer Hopkins, 1949. Ann. Mag. Nat.
Hist., (12), 2:51 (nn for N. punctatus Giebel, 1874).
- Pluvialis apricaria (Linnaeus)--Eurasian Golden Plover
Actornithophilus ochraceus (Nitzsch, 1818)
Liotheum ochraceum Nitzsch, 1818. Mag. Ent. Germar,
3:299.
Colpocephalum flavipes Giebel, 1874. Insecta Epizoa:
276.
Colpocephalum timidum Kellogg, 1896. Proc. Calif.
Acad. Sci., 6:145, pl. 12, fig. 6.
Colpocephalum perplanum Kellogg and Chapman, 1899.
Occ. Pap. Calif. Acad. Sci., 6:109, pl. 7, fig. 8.
Actornithophilus perrarus Blagoveshtchensky, 1948.
Mag. Parasit., Leningr., 10:270, fig. 8.

Actornithophilus laveni Eichler, 1953. Die Vögelwarte,
16:173.

Quadriceps charadrii charadrii (Linnaeus, 1758)

Pediculus charadrii Linnaeus, 1758. Syst. Nat.,
ed. 10:613.

Saemundssonina conica conica (Denny, 1842)

Docophorus conicus Denny, 1842. Mon. Anopl. Brit.:
45 and 90, pl. 5, fig. 2.

Docophorus fuliginosus hawaiiensis Kellogg and
Chapman, 1902. J.N.Y. Ent. Soc., 10:157.

Philoterus wallacei Johnson and Harrison, 1912. Trans.
N. Z. Inst., 44:370, figs. 5-6.

Philoterus numenicola Johnson and Harrison, 1912.
Trans. N. Z. Inst., 44:372, figs. 11-12.

Pluvialis dominica (Müller)--American Golden Plover

Actornithophilus ochraceus (Nitzsch, 1818)

(Type host: Pluvialis apicaria (Linnaeus)).

Quadriceps charadrii orarius (Kellogg, 1896)

Nirmus orarius Kellogg, 1896. Proc. Calif. Acad. Sci.,
6:104, pl. 5, fig. 5.

Nirmus orarius hawaiiensis Kellogg and Chapman, 1902.
J. N. Y. Ent. Soc., 10:159.

Saemundssonina conica conica (Denny, 1842)

(Type host: Pluvialis apicaria (Linnaeus)).

Squatarola squatarola (Linnaeus)--Black-bellied Plover

Actornithophilus ochraceus (Nitzsch, 1818)

(Type host: Pluvialis apicaria (Linnaeus)).

Austromenopon squatarolae Timmermann, 1954

Austromenopon squatarolae Timmermann, 1954.
Bonn. Zool. Beitr., 5:199.

Quadriceps charadrii hospes (Nitzsch, 1866)

Nirmus hospes Nitzsch, 1866. In Giebel, Z. ges.
NatWiss., 28:371.

Nirmus vanelli Denny, 1842 (nec Schrank, 1803).
Mon. Anopl. Brit.: 51 and 128, pl. 7, fig. 6.

Saemundssonina conica naumanni (Giebel, 1874)

Docophorus naumanni Giebel, 1874. Insecta Epizoa:
100.

Docophorus fuliginosus Kellogg, 1896. Proc. Calif.
Acad. Sci., 6:80, pl. 3, fig. 2.

Arenaria interpres (Linnaeus)--Ruddy Turnstone

Actornithophilus bicolor (Piaget, 1880)

Colpocephalum bicolor Piaget, 1880. Les Pediculines:
561, pl. 47, fig. 1.

Colpocephalum paetulum Kellogg and Kuwana, 1900.

Proc. Acad. Sci. Philad., 23:157, pl. 7, fig. 4.

Colpocephalum spinulosum obscurum Carriker, 1910
(nec Giebel, 1874). Ent. News, 21:52.

Colpocephalum oculare Carriker, 1910. Ent. News,
21:52, pl. 5, fig. 1.

Colpocephalum tigrum Kellogg and Mann, 1912. Ent.
News, 23:64.

Actornithophilus pediculoides (Mjöberg, 1910)

Colpocephalum pediculoides Mjöberg, 1910. Ark.
Zool., 6:44, pl. 2, fig. 6.

Quadriceps strepsilaris (Denny, 1842)

Nirmus strepsilaris Denny, 1842. Mon. Anopl. Brit.:
52 and 135, pl. 11, fig. 4.

Nirmus subcingulatus Nitzsch, 1866. In Giebel, Z. ges.
NatWiss., 28:372.

Nirmus euprepes Kellogg and Chapman, 1902. J. N. Y.
Ent. Soc., 10:21, pl. 3, fig. 1.

Nirmus obtusus Kellogg and Kuwana, 1902. Proc. Wash.
Acad. Sci., 4:468, pl. 29, fig. 2.

Nirmus lepidus Kellogg and Kuwana, 1902. Proc. Wash.
Acad. Sci., 4:473, pl. 29, fig. 7.

"Saemundssonina cordiceps (Piaget, 1880)"

Docophorus cordiceps Piaget, 1880 (nec Giebel, 1874).
Les Pediculines: 664, pl. 54, fig. 7.

Saemundssonina tringae (O. Fabricius, 1780)

(Type host: Erolia maritima (Brünnich)).

Arenaria melanocephala (Vigors)--Black Turnstone

Actornithophilus pediculoides (Mjølberg, 1910)

has not yet been collected off this host, but the other species normally found on Arenaria interpres (Linnaeus) have been.

Scolopacidae

Philohela minor (Gmelin)--American Woodcock

Rhynonirmus parsonae Clay, 1961

Rhynonirmus parsonae Clay, 1961. Bull. Brit. Mus. (N.H.), Ent., 11:50, figs. 9-11, and plate 1, figs. 2, 5 and 6.

Scolopax rusticola Linnaeus--European Woodcock

Austromenopon icterum (Burmeister, 1838)

Menopon icterum Burmeister, 1838. Handb. Ent., 2:400.

Cummingsiella aurea Hopkins, 1949

Docophorus auratus Burmeister, 1838 (nec deHaan, 1829). Handb. Ent., 2:426.

Cummingsiella aurea Hopkins, 1949. Ann. Mag. Nat. Hist. (12), 2:31, pl. 1, figs. 3 and 4.

Capella gallinago (Linnaeus)--Common Snipe

Actornithophilus stictus (Kellogg and Paine, 1911)

Colpocephalum stictum Kellogg and Paine, 1911. Ent. News, 22:77, fig. 2.

Austromenopon durisetosum (Blagoveshtchensky, 1948)

Menopon durisetosum Blagoveshtchensky, 1948. Mag. Parasit., Leningr., 10:263, fig. 3.

Cummingsiella ambigua (Burmeister, 1838)

Docophorus ambiguus Burmeister, 1838. Handb. Ent., 2:426.

Docophorus amphibolus Giebel, 1861. Z. ges. NatWiss., 18:314 (nn for D. ambiguus Burmeister, 1838).

Docophorus nirmoides Piaget, 1880. Les Pediculines: 104, pl. 9, fig. 2.

Docophorus nirmoides major Waterston, 1912. (nec Kellogg, 1896). Ent. Mong. Mag., 23:62.

- Rhynonirmus scolopacis (Denny, 1842)
Nirmus scolopacis Denny, 1842. Mon. Anopl. Brit.:
 54 and 149, pl. 2, fig. 8.
Nirmus truncatus Nitzsch, 1866 (nec Olfers, 1816).
In Giebel, Z. ges. NatWiss., 28:375.
Lipeurus emarginatus Piaget, 1885. Les Pediculines:
 328, pl. 28, fig. 2.
Nirmus truncatus magnocephalus Carriker, 1902. J.
 N. Y. Ent. Soc., 10:2-8, pl. 20, fig. 4.
- Saemundssonina kratochvili Balat, 1950
Saemundssonina kratochvili Balat, 1950. Folia Ent.,
 Brno, 13:109 and 112, figs. 3 and 3a.
- Numenius americanus Bechstein--Long-billed Curlew
Cummingsiella longirostricola (Wilson, 1937)
Philopterus longirostricola Wilson, 1937. Canad. Ent.,
 69:264, figs. 1-2.
- Lunaceps numenii numenii (Denny, 1842)
 (Type host: Numenius arquata (Linnaeus)).
- Saemundssonina scolopacisphaeopodis (Schränk, 1803)
 (Type host: Numenius phaeopus (Linnaeus)).
- Numenius arquata (Linnaeus)--Eurasian Curlew
Actornithophilus patellatus (Piaget, 1890)
Colpocephalum patellatum Piaget, 1890. Tijdschr. Ent.,
 33:254, pl. 10, fig. 8.
- Austromenopon crocatum (Nitzsch, 1866)
Menopon crocatum Nitzsch, 1866. Z. ges. NatWiss.,
 28:392.
Menopon numenii Rudow, 1869. Z. ges. NatWiss.,
 34:401.
- Cummingsiella ovalis (Scopoli, 1763)
Pediculus ovalis Scopoli, 1763. Ent. Carniolica: 384.
Docophorus testudinarius Denny, 1842. Mon. Anopl. Brit.:
 46 and 96, pl. 1, fig. 6.
Docophorus biseriatis Denny, 1842. Mon. Anopl. Brit.:
 250.

Docophorus microceras Rudow, 1869. Beitr. Kenntn.
Malloph.: 13.

Nirmus pseudonirmus Nitzsch, 1874. In Giebel,
Insecta Epizoa: 167.

Lunaceps numenii numenii (Denny, 1842)

Nirmus numenii Denny, 1842. Mon. Anopl. Brit.:
53 and 144, pl. 9, fig. 6.

Nirmus inaequalis Piaget, 1880. Les Pediculines:
176, pl. 15, fig. 4.

Saemundssonina scolopacisphaeopodis scolopacisphaeopodis
(Schrank, 1803)

Pediculus scolopacis-phaeopodis Schrank, 1803. Fauna
Boica: 191.

Docophorus humeralis Denny, 1842. Mon. Anopl.
Brit.: 45, 88, pl. 5, fig. 7.

Docophorus rotundus Rudow, 1869. Beitr. Kenntn.
Malloph.: 11.

Philopterus armatus Johnston and Harrison, 1912.
Trans. N. Z. Inst., 44:370, figs. 7-10.

Docophorus viridicola Kellogg, 1914. Sci. Bull.
Brooklyn Inst., 2:82, pl. 16, fig. 2.

Saemundssonina humeralis americana Carriker, 1956.
Florida Ent., 39:31, figs. 24-25.

Numenius phaeopus (Linnaeus)--Whimbrel

Actornithophilus ocellatus (Rudow, 1869)

Colpocephalum ocellatum Rudow, 1869. Z. ges.
NatWiss., 34:392.

Austromenopon phaeopodis (Schrank, 1802)

Pediculus phaeopodis Schrank, 1802. Briefe Natur. ----:
361.

Menopon ambiguum Nitzsch, 1874. In Giebel, Insecta
Epizoa: 295.

Lunaceps numenii phaeopi (Denny, 1842)

Nirmus phaeopi Denny, 1842. Mon. Anopl. Brit.:
54 and 144, pl. 10, fig. 7.

Nirmus phaeopodis Giebel, 1874. Insecta Epizoa: 166.

Nirmus trimaculatus Piaget, 1880. Les Pediculines:
174, pl. 14, fig. 8.

Degeeriella oliveri Johnston and Harrison, 1912.
Trans. N. Z. Inst., 44:367, fig. 3.

Saemundssonina scolopacisphaeopodis scolopacisphaeopodis
(Schrank, 1803)
(Type host: Numenius arquata (Linnaeus)).

Numenius tahitiensis (Gmelin)--Bristle-thighed Curlew
Lunaceps numenii hopkinsi Timmermann, 1954
Lunaceps hopkinsi Timmermann, 1954. Ann. Mag.
Nat. Hist. (12), 7:634, fig. 5e.

Saemundssonina scolopacisphaeopodis scolopacisphaeopodis
(Schrank, 1803)
(Type host: Numenius arquata (Linnaeus)).

Numenius borealis (J. R. Forster)--Eskimo Curlew
Lunaceps numenii rileyi Timmermann, 1954
Lunaceps rileyi Timmermann, 1954. Ann. Mag.
Nat. Hist., (12), 7:635, fig. 5h.

Saemundssonina scolopacisphaeopodis scolopacisphaeopodis
(Schrank, 1803)
(Type host: Numenius arquata (Linnaeus)).

Bartramia longicauda (Bechstein)--Upland Plover
Rhynonirmus infuscatus (Osborn, 1896)
Lipeurus infuscatus Osborn, 1896. Bull. U.S. Bur.
Ent. (n. s.), 5:234, pl. 2, figs. e and f.

Tringa macularia (Linnaeus)--Spotted Sandpiper
Actornithophilus flumineus Clay, 1962
Actornithophilus flumineus Clay, 1962. Bull. Brit.
Mus. (N. H.), Ent., 11:217, pl. 4, fig. 5.
(Type host: Actitis hypoleucos (Linnaeus)).

Actornithophilus umbrinus (Burmeister, 1838)
Colpocephalum umbrinum Burmeister, 1838. Handb.
Ent., 2:438.
Colpocephalum trilobatum Giebel, 1874. Insecta
Epizoa: 275.
Colpocephalum umbrinum Piaget, 1880 (*nec* Burmeister,
1838). Les Pediculines: 556, pl. 46, fig. 6.

Colpocephalum spinulosum minor Kellogg and Chapman, 1899 (nec Piaget, 1880). Occ. Pap. Calif. Acad. Sci., 6:112, pl. 7, fig. 9.

Colpocephalum morsitans Kellogg and Mann, 1912. Ent. News, 23:15, fig. 3.

Colpocephalum umbrosum Harrison, 1916. Parasitology, 9:56 (nn for C. umbrinum Piaget, 1880).

Actornithophilus albus Emerson, 1948. Ent. News, 59:178, figs. 1-2 (nn for C. spinulosum minor Kellogg and Chapman, 1899).

Actornithophilus hrabei Balat, 1953. Zool. Ent. Listy, 2:94 and 104, fig. 2.

Actornithophilus hirsutus Carriker, 1954. Florida Ent., 37:139, fig. 1.
(Type host: Erolia testacea (Pallas)).

Quadraceps ravus (Kellogg, 1899)

Nirmus fuvus ravus Kellogg, 1899. Occ. Pap. Calif. Acad. Sci., 6:14, pl. 2, fig. 1.

Degeeriella subfusca Blagoveshtchensky, 1948. Mag. Parasit., Leningr., 10:286, figs. 20 and 20a.

Saemundssonina platygaster nitzschi (Giebel, 1866)

(Type host: Tringa erythropus (Pallas))

Docophorus nitzschi Giebel, 1866. Z. ges. NatWiss., 28:361.

Docophorus cordiceps Giebel, 1874. Insecta Epizoa: 103.

Docophorus frater Giebel, 1874. Insecta Epizoa: 103.

Docophorus glareolae Giebel, 1874. Insecta Epizoa: 103.

Docophorus mollis Nitzsch, 1874. In Giebel, Insecta Epizoa: 103.

Docophorus cephalosus Carriker, 1902. J. N. Y. Ent. Soc., 10:217, pl. 20, fig. 1.

Tringa solitaria Wilson--Solitary Sandpiper

Quadraceps waterstoni Hopkins and Timmermann, 1954

Quadraceps waterstoni Hopkins and Timmermann, 1954. Trans. R. Ent. Soc. London, 105:143, fig. 9, pl. 2, figs. 11-12.

Saemundssonina platygaster nitzschi (Giebel, 1866)

(Type host: Tringa erythropus (Pallas)).

- Tringa glareola Linnaeus -- Wood Sandpiper
Quadriceps obscurus (Burmeister, 1838)
Nirmus obscurus Burmeister, 1838. Handb. Ent.,
2:427.
- Saemundssonina platygaster nitzschi (Giebel, 1866)
(Type host: Tringa erythropus (Pallas)).
- Heteroscelus incanum (Gmelin) -- Wandering Tattler
Actornithophilus kilauensis (Kellogg and Chapman, 1902)
Colpocephalum kilauensis Kellogg and Chapman, 1902.
J. N. Y. Ent. Soc., 10:161, pl. 14, fig. 1.
- Quadriceps conformis (Blagoveshtchensky, 1940)
(Type host: Totanus totanus (Linnaeus)).
- Quadriceps impar Hopkins and Timmermann, 1954
Quadriceps impar Hopkins and Timmermann, 1954.
Trans. R. Ent. Soc. London, 105:147, fig. 12;
pl. 2, figs. 17-18.
- Catoptrophorus semipalmatus (Gmelin) -- Willet
Actornithophilus lacustris Clay, 1962
Actornithophilus lacustris Clay, 1962. Bull. Brit.
Mus. (N.H.), Ent., 11:220, pl. 5, figs. 1 and 4;
pl. 11, fig. 5 and t. f. 20.
- Austromenopon sachtlebeni Timmermann, 1954
Austromenopon sachtlebeni Timmermann, 1954.
Bonn. Zool. Beitr., 5:202, fig. 11.
- Quadriceps carrikeri Hopkins and Timmermann, 1954
Quadriceps carrikeri Hopkins and Timmermann, 1954.
Trans. R. Ent. Soc. London, 105:147, fig. 13; pl. 2,
figs. 19-20.
- Totanus melanoleucus (Gmelin) -- Greater Yellowlegs
Actornithophilus paludosus Clay, 1962
(Type host: Tringa nebularia (Gunnerus)).
Actornithophilus paludosus Clay, 1962. Bull. Brit.
Mus. (N.H.), Ent., 11:219, pl. 5, figs. 3 and 6; t. f. 47.

Quadriceps similis (Giebel, 1866)

(Type host: Tringa nebularis (Gunnerus).)

Nirmus similis Giebel, 1866. Z. ges. NatWiss.,
28:374.

Nirmus interruptus Piaget, 1880. Les Pediculines:
173, pl. 14, fig. 6.

Nirmus clypeatus Kellogg and Paine, 1914. Rec.
Indian Mus., 10:237, pl. 14, fig. 3.

Degeeriella austini Peters, 1931. Ann. Ent. Soc.
Amer., 24:585, fig. 2.

Degeeriella dissimilis Blagoveshtchensky, 1948. Mag.
Parasit., Leningr., 10:283, figs. 15 and 15a.

Saemundssonina platygaster nitzschi (Giebel, 1866)

(Type host: Tringa erythropus (Pallas).)

Totanus flavipes (Gmelin)--Lesser Yellowlegs

Actornithophilus totani (Schrank, 1803)

(Type host: Tringa totanus (Linnaeus).)

Quadriceps falcigerus (Peters, 1931)

Degeeriella falcigera Peters, 1931. Ann. Ent. Soc.
Amer., 24:583, fig. 1.

Saemundssonina platygaster nitzschi (Giebel, 1866)

(Type host: Tringa erythropus (Pallas).)

Totanus totanus (Linnaeus)--Redshank

Actornithophilus totani (Schrank, 1803)

Pediculus totani Schrank, 1803. Fauna Boica: 191.

Colpocephalum affine Nitzsch, 1874. In Giebel, Insecta
Epizoa: 276.

Quadriceps conformis (Blagoveshtchensky, 1940)

Degeeriella conformis Blagoveshtchensky, 1940. Mag.
Parasit., Leningr., 8:56 and 84, fig. 14.

Calidris canutus (Linnaeus)--Knot

Actornithophilus umbrinus (Burmeister, 1838)

(Type host: Erolia testacea (Pallas).)

Erolia martima (Brünnich)--Purple Sandpiper

Actornithophilus umbrinus (Burmeister, 1838)

(Type host: Erolia testacea (Pallas)).

Carduceps meinertzhageni Timmermann, 1954

(Type host: Erolia alpina (Linnaeus)).

Lunaceps holophaeus nereis Timmermann, 1954

Lunaceps nereis Timmermann, 1954. Ann. Mag.
Nat. Hist., (12), 7:628, fig. 1c.

Saemundssonina tringae (O. Fabricius, 1780)

Pediculus tringae O. Fabricius, 1780. Fauna
Groenlandica: 219.

Docophorus canuti Denny, 1842. Mon. Anopl. Brit.:
44 and 84, pl. 3, fig. 5.

Docophorus fusiformis Denny, 1842. Mon. Anopl. Brit.:
42 and 71, pl. 3, fig. 4.

Docophorus alpinus Giebel, 1874. Insecta Epizoa: 105.

Docophorus lari Grube, 1851 (nec O. Fabricius, 1789).

In Middendorff Sibir. Reise: 473.

Docophorus arcticus Mjöberg, 1910. Ark. Zool.,
6:122, fig. 69.

Saemundssonina grubei Eichler, 1942. Zool. Anz.,
139:31 (nn for D. lari Grube, 1851).

Erolia ptilocnemis (Coues)--Rock Sandpiper

Actornithophilus umbrinus (Burmeister, 1838)

(Type host: Erolia testacea (Pallas)).

Carduceps meinertzhageni Timmermann, 1954

(Type host: Erolia alpina (Linnaeus)).

Saemundssonina tringae (O. Fabricius, 1780)

(Type host: Erolia maritima (Brünnich)).

Erolia acuminata (Horsfield)--Short-tailed Sandpiper

Actornithophilus umbrinus (Burmeister, 1838)

(Type host: Erolia testacea (Pallas)).

Carduceps zonarius (Nitzsch, 1866)

(Type host: Erbilia minuta (Leisler)).

Saemundsson tringae (O. Fabricius, 1780)
(Type host: Erolia maritima (Brünnich).

Erolia melanotos (Vieillot)--Pectoral Sandpiper
Actornithophilus umbrinus (Burmeister, 1838)
(Type host: Erolia testacea (Pallas).

Carduiceps zonarius (Nitzsch, 1866)
(Type host: Erolia minuta (Leisler).

Saemundsson tringae (O. Fabricius, 1780)
(Type host: Erolia maritima (Brünnich).

Erolia fuscicollis (Vieillot)--White-rumped Sandpiper
Actornithophilus umbrinus (Burmeister, 1838)
(Type host: Erolia testacea (Pallas).

Carduiceps zonarius (Nitzsch, 1866)
(Type host: Erolia minuta (Leisler).

Saemundsson tringae (O. Fabricius, 1780)
(Type host: Erolia maritima (Brünnich).

Erolia bairdii (Coues)--Baird's Sandpiper
Actornithophilus umbrinus (Burmeister, 1838)
(Type host: Erolia testacea (Pallas).

Carduiceps zonarius (Nitzsch, 1866)
(Type host: Erolia minuta (Leisler).

Saemundsson tringae (O. Fabricius, 1780)
(Type host: Erolia maritima (Brünnich).

Erolia minutilla (Vieillot)--Least Sandpiper
Actornithophilus umbrinus (Burmeister, 1838)
(Type host: Erolia testacea (Pallas).

Carduiceps zonarius (Nitzsch, 1866)
(Type host: Erolia minuta (Leisler).

Saemundsson tringae (O. Fabricius, 1780)
(Type host: Erolia maritima (Brünnich).

- Erolia subminuta (Middendorff)--Long-toed Stint
Carduceps zonarius (Nitzsch, 1866)
(Type host: Erolia minuta (Leisler).
- Erolia ruficollis (Pallas)--Rufous-necked Sandpiper
Actornithophilus umbrinus (Burmeister, 1838)
(Type host: Erolia testacea (Pallas).
- Carduceps zonarius (Nitzsch, 1866)
(Type host: Erolia minuta (Leisler).
- Erolia ferruginea (Pontoppidan)--Curlew Sandpiper
Actornithophilus umbrinus (Burmeister, 1838)
(Type host: Erolia testacea (Pallas).
- Carduceps zonarius (Nitzsch, 1866)
(Type host: Erolia minuta (Leisler).
- Erolia alpina (Linnaeus)--Dunlin
Actornithophilus umbrinus (Burmeister, 1838)
(Type host: Erolia testacea (Pallas).
- Austromenopon alpinum Timmermann, 1954
Austromenopon alpinum Timmermann, 1954.
Bonn. Zool. Beitr., 5:202, fig. 8.
- Carduceps meinertzhageni Timmermann, 1954
Carduceps meinertzhageni Timmermann, 1954.
Ann. Mag. Nat. Hist., (12), 7:44, fig. 6b.
- Saemundssonina tringae (O. Fabricius, 1780)
(Type host: Erolia maritima (Brünnich).
- Limnodromus griseus (Gmelin)--Short-billed Dowitcher.
Actornithophilus limarius Clay, 1962
(Type host: Limnodromus scolopaceus (Say).
- Carduceps cingulatus cingulatus (Denny, 1842)
(Type host: Limosa limosa (Linnaeus).
- Quadraceps nigrolimbatus (Mjöberg, 1910)
Nirmus nigrolimbatus Mjöberg, 1910. Ark. Zool.,
6:135, pl. 5, fig. 4.

Saemundsson tringae (O. Fabricius, 1780)
(Type host: Erolia maritima (Brünnich)).

Limnodromus scolopaceus (Say)--Long-billed Dowitcher
Actornithophilus limarius Clay, 1962
Actornithophilus limarius Clay, 1962. Bull. Brit.
Mus. (N.H.), Ent., 11:222, pl. 5, figs. 2 and 5;
pl. 11, fig. 4.

Carduceps cingulatus cingulatus (Denny, 1842)
(Type host: Limosa limosa (Linnaeus)).

Quadriceps nigrolimbatus (Mjöberg, 1910)
(Type host: Limnodromus griseus (Gmelin)).

Saemundsson tringae (O. Fabricius, 1780)
(Type host: Erolia maritima (Brünnich)).

Micropalama himantopus (Bonaparte)--Stilt Sandpiper
Actornithophilus umbrinus (Burmeister, 1838)
(Type host: Erolia testacea (Pallas)).

Carduceps zonarius (Nitzsch, 1866)
(Type host: Erolia minuta (Leisler)).

Ereunetes pusillus (Linnaeus)--Semipalmated Sandpiper
Actornithophilus umbrinus (Burmeister, 1838)
(Type host: Erolia testacea (Pallas)).

Carduceps zonarius (Nitzsch, 1866)
(Type host: Erolia minuta (Leisler)).

Lunaceps holophaeus pusillus Carriker, 1956
Lunaceps pusillus Carriker, 1956. Florida Ent., 39:74,
figs. 50-51.

Saemundsson tringae (O. Fabricius, 1780)
(Type host: Erolia maritima (Brünnich)).

Ereunetes mauri Cabania--Western Sandpiper
Actornithophilus umbrinus (Burmeister, 1838)
(Type host: Erolia testacea (Pallas)).

Carduceps zonarius (Nitzsch, 1866)
(Type host: Erolia minuta (Leisler))

Lunaceps holophaeus cabanisi Timmermann, 1954
Lunaceps cabanisi Timmermann, 1954. Ann.
Mag. Nat. Hist., (12), 7:625, fig. 1a.

Saemundssonina tringae (O. Fabricius, 1780)
(Type host: Erolia maritima (Brünnich)).

Tryngites subruficollis (Vieillot)--Buff-breasted Sandpiper
Actornithophilus umbrinus (Burmeister, 1838)
(Type host: Erolia testacea (Pallas)).

Carduceps zonarius (Nitzsch, 1866)
(Type host: Erolia minuta (Leisler)).

Limosa fedoa (Linnaeus)--Marbled Godwit
Actornithophilus limosae (Kellogg, 1908)
(Type host: Limosa lapponica (Linnaeus)).

Austromenopon limosae Timmermann, 1954
(Type host: Limosa limosa (Linnaeus)).

Carduceps cingulatus clayae Timmermann, 1954
Carduceps clayae Timmermann, 1954. Ann. Mag.
Nat. Hist., (12), 7:42, fig. 4.

Lunaceps limosella clayae Timmermann, 1954
Lunaceps clayae Timmermann, 1954. Ann. Mag.
Nat. Hist., (12), 7:629, fig. 4a.

Rotundiceps cordatus (Osborn, 1896)
Nirmus cordatus Osborn, 1896. Bull. U.S. Bur. Ent.,
(n. s.), 5:228, pl. 2, fig. a.
Nirmus lucidus Kellogg and Mann, 1912. Ent. News,
23:60.

Limosa lapponica (Linnaeus)--Bar-tailed Godwit
Actornithophilus limosae (Kellogg, 1908)
Colpocephalum ochraceum Grube, 1851 (nec Nitzsch,
1818). In Middendorff, Sibir. Reise, 2:490.
Colpocephalum limosae Kellogg, 1908. In Wytsman's
Gen. Ins., Mallophaga: 56 (nn for C. ochraceum Grube,
1851).

- Austromenopon meyeri (Giebel, 1874)
Menopon meyeri Giebel, 1874. Insecta Epizoa: 296.
- Carduceps cingulatus lapponicus Emerson, 1953
Carduceps lapponicus Emerson, 1953. Proc. Ent.
Soc. Wash., 55:209, fig. 2.
- Lunaceps limosella limosella Timmermann, 1954
Lunaceps limosella Timmermann, 1954. Ann. Mag.
Nat. Hist., (12), 7:629, fig. 4b.
- Saemundssonina limosae (Denny, 1842)
Docophorus limosae Denny, 1842. Mon. Anopl. Brit.:
44 and 86, pl. 4, fig. 2.
Docophorus meyeri Giebel, 1874. Insecta Epizoa: 104.
- Limosa haemastica (Linnaeus)--Hudsonian Godwit
Lunaceps limosella paschalis Timmermann, 1954
Lunaceps paschalis Timmermann, 1954. Ann. Mag.
Nat. Hist., (12), 7:630, fig. 4c.
- Saemundssonina haemastica Carriker, 1956
Saemundssonina haemastica Carriker, 1956. Florida
Ent., 39:31, figs. 26-28.
- Saemundssonina platygaster ashi Timmermann, 1955
Saemundssonina scolopacisphaeopodis ashi Timmermann,
1955. Ann. Mag. Nat. Hist. (12), 8:514, fig. 1.
- Crocethia alba (Pallas)--Sanderling
Actornithophilus umbrinus (Burmeister, 1838)
(Type host: Erolia testacea (Pallas).
- Carduceps zonarius (Nitzsch, 1866)
(Type host: Erolia minuta (Leisler).
- Lunaceps holophaeus actophilus (Kellogg and Chapman,
1899)
Nirmus actophilus Kellogg and Chapman, 1899. Occ.
Pap. Calif. Acad. Sci., 6:78, pl. 6, fig. 4.
- Saemundssonina platygaster islandica Timmerman, 1951
(Type host: Calidris canutus (Linnaeus).

Saemundssonina tringae (O. Fabricius, 1780)
(Type host: Erolia maritima (Brünnich).

Eurynorhynchus pygmeum (Linnaeus)--Spon-bill Sandpiper
Carduiceps zonarius (Nitzsch, 1866)
(Type host: Erolia minuta (Leisler).

Recurvirostridae

Recurvirostra americana Gmelin--American Avocet
Actornithophilus uniseriatum (Piaget, 1880)
(Type host: Recurvirostra avosetta Linnaeus).
Colpocephalum uniseriatum Piaget, 1880. Les
Pediculines: 562, pl. 47, fig. 2.
Colpocephalum uniforme Kellogg, 1896. Proc. Calif.
Acad. Sci., 6:142, pl. 12, fig. 4.

Austromenopon micrandum (Nitzsch, 1866)
(Type host: Recurvirostra avosetta Linnaeus).
Menopon micrandum Nitzsch, 1866. In Giebel, Z.
ges. NatWiss., 28:392.
Menopon indistinctum Kellogg, 1896. Proc. Calif.
Acad. Sci., 6:157, pl. 14, figs. 6-7.

Cirrophthirus testudinarius (Children, 1836)
Nirmus testudinarius Children, 1836. In Back, Arctic
Land Exped.: 538.
Nirmus biseriatus Children, 1836. In Back, Arctic
Land Exped.: 538.
Cummingsiella inexpectata Carriker, 1954. Florida
Ent., 37:192, figs. 10-12.

Quadriceps zephyra (Timmermann, 1954)
Cistellatrix zephyra Timmermann, 1954. Zool. Anz.,
152:165, figs. 1e and 2.

Himantopus mexicanus (Müller)--Black-necked Stilt
Actornithophilus mexicanus Emerson, 1953
Actornithophilus mexicanus Emerson, 1953. J. Kansas
Ent. Soc., 26:134, fig. 4.

Austromenopon himantopi Timmermann, 1954
(Type host: Himantopus himantopus (Linnaeus)).
Austromenopon himantopi Timmermann, 1954.
Bonn. Zool. Beitr., 5:199, fig. 6a.
Austromenopon mohni Ansari, 1955. Indian J. Ent.,
17:400.

Quadriceps hemichrous (Nitzsch, 1866)
(Type host: Himantopus himantopus (Linnaeus)).
Nirmus hemichrous Nitzsch, 1866. In Giebel, Z. ges.
NatWiss., 28:372.
Nirmus opisthotomus Kellogg, 1910. Wiss. Ergebn.
Schwed. Zool. Exped. Kilimandjaro, 3, abt. 15:46, pl.
7, fig. 4.

Quadriceps semifissus mexicanus Carriker, 1944
Quadriceps seimifissa mexicana Carriker, 1944.
Bol. Ent. Venezol., 3:99, pl. 5, figs. 8-9.

Phalaropodidae

Phalaropus fulicarius (Linnaeus)--Red Phalarope
Actornithophilus umbrinus (Burmeister, 1838)
(Type host: Erolia testacea (Pallas)).

Austromenopon corporosum (Kellogg and Kuwana, 1900)
Menopon corporosum Kellogg and Kuwana, 1900.
Proc. Acad. Nat. Sci. Philad., 23:158, pl. 7, fig. 5.

Quadriceps phalaropi (Denny, 1842)
Nirmus phalaropi Denny, 1842. Mon. Anopl. Brit.:
53 and 139, pl. 8, fig. 6.
Nirmus infectus Kellogg and Kuwana, 1900. Proc.
Acad. Nat. Sci. Philad., 23:153, pl. 7, fig. 2.
Nirmus fulvoguttatus Mjølberg, 1910. Ark. Zool.,
6:139, pl. 1, fig. 3.

Steganopus tricolor (Vieillot)--Wilson's Phalarope
Actornithophilus umbrinus (Burmeister, 1838)
(Type host: Erolia testacea (Pallas)).

Quadriceps fimbriatus (Giebel, 1866)

Nirmus fimbriatus Giebel, 1866. Z. ges. NatWiss.,
28:374.

Saemundssonina tricolor Carriker, 1956

Saemundssonina tricolor Carriker, 1956. Florida
Ent., 39:32, fig. 29.

Lobipes lobatus (Linnaeus)--Northern Phalarope

Actornithophilus umbrinus (Burmeister, 1838)

(Type host: Erolia testacea (Pallas)).

Austromenopon spenceri Timmermann, 1956

Austromenopon spenceri Timmermann, 1956. Bonn.
Zool. Beitr., 7:192, fig. 7.

Quadriceps connexus (Kellogg and Mann, 1912)

Nirmus infectus connexus Kellogg and Mann, 1912.
Ent. News: 23: 13.

Stercorariidae

Stercorarius pomarinus (Temminck)--Pomarine Jaeger

Austromenopon fuscofasciatum (Piaget, 1880)

Menopon fuscofasciatum Piaget, 1880. Les
Pediculines: 492, pl. 40, fig. 9.

Menopon circinatum Piaget, 1890. Tijdschr. Ent.,
33:249, pl. 10, fig. 4.

Haffneria grandis (Piaget, 1880)

(Type host: Stercorarius sp., probably parasiticus
Linnaeus).

Quadriceps normifer stellaepolaris Timmermann, 1952

Quadriceps normifer stellaepolaris Timmermann,
1952. Ann. Mag. Nat. Hist., (12), 5:1037.

Saemundssonina euryrhyncha (Giebel, 1874)

Docophorus euryrhynchus Giebel, 1874. Insecta
Epizoa: 112.

Stercorarius parasiticus (Linnaeus)--Parasitic Jaeger

Austromenopon fuscofasciatum (Piaget, 1880)

(Type host: Stercorarius pomarinus (Temminck)).

Haffneria grandis (Piaget, 1880)

Lipeurus grandis Piaget, 1880. Les Pediculines:
323, pl. 26, fig. 7.

Lipeurus laculatus Kellogg and Chapman, 1899. Occ.
Pap. Calif. Acad. Sci., 6:93, pl. 7, fig. 1.

Perineus piratae Timmermann, 1955. Ann. Mag.
Nat. Hist., (12), 8:532, fig. 16.

Perineus antarcticus Carriker, 1958. Acta. Zool.
Lilloana, 15:186, fig. 7.

Quadriceps normifer normifer (Grube, 1851)

Nirmus normifer Grube, 1851. In Middendorf Sibir.
Reise, 2:478, pl. 31, fig. 8.

Nirmus triangulatus Nitzsch, 1866. In Giebel, Z.
ges. NatWiss., 28:378.

Saemundssonina cephalus (Denny, 1842)

Docophorus cephalus Denny, 1842. Mon. Anopl. Brit.:
44 and 81, pl. 2, fig. 8.

Docophorus pustulosus Nitzsch, 1866. In Giebel, Z.
ges. NatWiss., 28:363.

Docophorus lari magna Piaget, 1880. Les Pediculines:
112.

Docophorus atlanticus Kellogg, 1914. Brooklyn Sci.
Bull., 2:81, pl. 16, fig. 1.

Stercorarius longicaudus Vieillot--Long-tailed Jaeger

Austromenopon fuscofasciatum (Piaget, 1880)

(Type host: Stercorarius pomarinus (Temminck)).

Haffneria grandis (Piaget, 1880)

(Type host: Stercorarius sp.).

Quadriceps normifer parvopallidus (Eichler, 1951)

Koeniginirmus normifer parvopallidus Eichler, 1951.

Bonn. Zool. Beitr., 1/2:127 (nn for "Nirmus d'une
Lestris spinicauda Piaget, 1880. p. 202").

Catharacta skua Brúnnich--Skua

Austronopon fuscofasciatum (Piaget, 1880)

(Type host: Stercorarius pomarinus (Temminck).)

Harrisoniella grandis (Piaget, 1880)

(Type host: Stercorarius sp.).

Quadriceps normifer alpha (Kellogg, 1914)

Nirmus traingulatus alpha Kellogg, 1914.

Brooklyn Sci. Bull., 2:84.

Saemundssonina stresemanni Timmermann, 1949

Saemundssonina stresemanni Timmermann, 1949.

Verh. Visind. Isl., (2), 3:13, figs. 7 and 9.

Laridae

Larus hyperboreus Gunnerus--Glaucous Gull

Actornithophilus piceus lari (Packard, 1870)

(Type host: Larus marinus Linnaeus).

Austronopon transversum (Denny, 1842)

(Type host: Rissa tridactyla (Linnaeus)).

Quadriceps ornatus striolatus (Nitzsch, 1866)

Nirmus striolatus Nitzsch, 1966. In Giebel, Z. ges.
NatWiss., 28:377.

Koeniginirmus ornatus alius Zlotorzycska, 1967. Bull.
Ent. Polon., 37:763; pl. 14, photograph 1; pl. 17,
photograph 2.

Koeniginirmus ornatus benignus Zlotorzycska, 1967.
Bull. Ent. Polon., 37:764; pl. 14, photograph 2;
pl. 16, photograph 1; pl. 17, photograph 1.

Saemundssonina lari lari (O. Fabricius, 1780)*

Pediculus lari O. Fabricius, 1780. Fauna Groenland-
ica: 219.

* It is my opinion that the form found on all gulls is Saemundssonina lari (O. Fabricius, 1780), and that the subspecies are not valid. The subspecies are listed here for those who care to use that classification.

Larus argentatus Pontoppidan--Herring Gull

Actornithophilus piceus lari (Packard, 1870)

(Type host: Larus marinus Linnaeus).

Austromenopon transversum (Denny, 1842)

(Type host: Rissa tridactyla (Linnaeus)).

Quadriceps ornatus striolatus (Nitzsch, 1866)

(Type host: Larus hyperboreus Gunnerus).

Quadriceps punctatus regressus Timmermann, 1952

Quadriceps punctatus regressus Timmermann, 1952.

Ann. Mag. Nat. Hist., (12), 5:215.

Koeniginirmus punctatus ancillaris, Zlotorzycza, 1967.

Bull. Ent. Polon., 37:751; pl. 12, photograph 2, and
pl. 13, photograph 2.

Koeniginirmus punctatus balticus Zlotorzycza, 1967.

Bull. Ent. Polon., 37:752, pl. 11, photograph 3, and pl.
12, photographs 3 and 4.

Koeniginirmus punctatus ceterus Zlotorzycza, 1967.

Bull. Ent. Polon., 37:752, pl. 13, photograph 4.

Koeniginirmus punctatus flabilis Zlotorzycza, 1967.

Bull. Ent. Polon., 37:753, pl. 11, photograph 4.

Saemundssonina lari breviappendiculata (Piaget, 1880)

Docophorus breviappendiculatus Piaget, 1880. Les

Pediculines: 108, pl. 9, fig. 9.

Saemundssonina lariargentati Touleshkov, 1959. Compt.

Acad. Bulgare Sci., 12:448, figs. 4 and 5.

Larus californicus Lawrence--California Gull

Actornithophilus piceus lari (Packard, 1870)

(Type host: Larus marinus Linnaeus).

Austromenopon transversum (Denny, 1842)

(Type host: Rissa tridactyla (Linnaeus)).

Quadriceps punctatus sublingulatus Timmermann, 1952

(Type host: Larus delawarensis Ord).

Larus delawarensis Ord--Ring-billed Gull

Actornithophilus piceus lari (Packard, 1870)

(Type host: Larus marinus Linnaeus).

Catharacta skua Brünnich--Skua

Austromenopon fuscofasciatum (Piaget, 1880)
(Type host: Stercorarius pomarinus (Temminck).

Harrisoniella grandis (Piaget, 1880)
(Type host: Stercorarius sp.).

Quadriceps normifer alpha (Kellogg, 1914)
Nirmus traingulatus alpha Kellogg, 1914.
Brooklyn Sci. Bull, 2:84.

Saemundssonia stresemanni Timmermann, 1949
Saemundssonia stresemanni Timmermann, 1949.
Verh. Visind. Isl., (2), 3:13, figs. 7 and 9.

Laridae

Larus hyperboreus Gunnerus--Glaucous Gull

Actornithophilus piceus lari (Packard, 1870)
(Type host: Larus marinus Linnaeus).

Austromenopon transversum (Denny, 1842)
(Type host: Rissa tridactyla (Linnaeus).

Quadriceps ornatus striolatus (Nitzsch, 1866)
Nirmus striolatus Nitzsch, 1966. In Giebel, Z. ges.
NatWiss., 28:377.
Koeniginirmus ornatus alius Zlotorzycska, 1967. Bull.
Ent. Polon., 37:763; pl. 14, photograph 1; pl. 17,
photograph 2.
Koeniginirmus ornatus benignus Zlotorzycska, 1967.
Bull. Ent. Polon., 37:764; pl. 14, photograph 2;
pl. 16, photograph 1; pl. 17, photograph 1.

Saemundssonia lari lari (O. Fabricius, 1780)*
Pediculus lari O. Fabricius, 1780. Fauna Groenlandica: 219.

* It is my opinion that the form found on all gulls is Saemundssonia lari (O. Fabricius, 1780), and that the subspecies are not valid. The subspecies are listed here for those who care to use that classification.

Saemundssonina gonothorax lariphaga Timmermann,
1949. Verh. Visind. Isl. (2), 3: 8.

Saemundssonina gonothorax lariphaga Eichler, 1950
(nec Timmermann, 1949). Verh. Visind. Isl. (3),
1:13, figs. 10-13.

Larus glaucoides Meyer--Iceland Gull

Actornithophilus piceus lari (Packard, 1870)
(Type host: Larus marinus Linnaeus).

Austromenopon transversum (Denny, 1842)
(Type host: Rissa tridactyla (Linnaeus)).

Quadriceps ornatus striolatus (Nitzsch, 1866)
(Type host: Larus hyperboreus Gunnerus).

Saemundssonina lari breviappendiculata (Piaget, 1880)
(Type host: Larus argentatus Pontoppidan).

Larus glaucescens Naumann--Glaucous-winged Gull

Actornithophilus piceus lari (Packard, 1870)
(Type host: Larus marinus Linnaeus).

Austromenopon transversum (Denny, 1842)
(Type host: Rissa tridactyla (Linnaeus)).

Larus marinus Linnaeus--Great Black-backed Gull

Actornithophilus piceus lari (Packard, 1870)
Colpocephalum lari Packard, 1870. Amer. Nat.,
4:96, pl. 1, fig. 1.
Colpocephalum fuscipes Piaget, 1880. Les Pediculines:
567, pl. 47, fig. 7.
Colpocephalum funebre Kellogg, 1896. Proc. Calif.
Acad. Sci., 6:147, pl. 12, fig. 7.
Colpocephalum fumidum Kellogg, 1896. Proc. Calif.
Acad. Sci., 6:523, pl. 71, fig. 5.
Colpocephalum abbotti Kellogg, 1899. Occ. Pap.
Calif. Acad. Sci., 6:36, pl. 4, fig. 9.
Colpocephalum grandiculum Kellogg and Chapman,
1899. Occ. Pap. Calif. Acad. Sci., 6:113, pl. 7,
fig. 10.

- Austromenopon transversum (Denny, 1842)
(Type host: Rissa tridactyla (Linnaeus).
- Quadriceps ornatus ornatus (Grube, 1851)
(Type host: Larus canus Linnaeus).
- Quadriceps ornatus striolatus (Nitzsch, 1866)
(Type host: Larus hyperboreus Gunnerus).
- Saemundssonina lari gonothorax (Giebel, 1874)
Docophorus gonothorax Giebel, 1874. Insecta
Epizoa: 111.
Docophorus lari parvus Piaget, 1880. Les
Pediculines: 112.
- Larus schistisagus Stejneger--Slaty-backed Gull
Actornithophilus piceus lari (Packard, 1870)
(Type host: Larus marinus Linnaeus).
- Austromenopon transversum (Denny, 1842)
(Type host: Rissa tridactyla (Linnaeus).
- Larus occidentalis Audubon--Western Gull
Actornithophilus piceus lari (Packard, 1870)
(Type host: Larus marinus Linnaeus).
- Austromenopon transversum (Denny, 1842)
(Type host: Rissa tridactyla (Linnaeus).
- Quadriceps punctatus sublingulatus Timmermann, 1952
(Type host: Larus delawarensis Ord).
- Saemundssonina lari gonothorax (Giebel, 1874)
(Type host: Larus marinus Linnaeus).
- Larus fuscus Linnaeus--Lesser Black-backed Gull
Actornithophilus piceus lari (Packard, 1870)
(Type host: Larus marinus Linnaeus).
- Austromenopon transversum (Denny, 1842)
(Type host: Rissa tridactyla (Linnaeus).
- Quadriceps punctatus regressus Timmermann, 1952
(Type host: Larus argentatus Pontoppidan).

Larus argentatus Pontoppidan--Herring Gull

Actornithophilus piceus lari (Packard, 1870)

(Type host: Larus marinus Linnaeus).

Austromenopon transversum (Denny, 1842)

(Type host: Rissa tridactyla (Linnaeus)).

Quadriceps ornatus striolatus (Nitzsch, 1866)

(Type host: Larus hyperboreus Gunnerus).

Quadriceps punctatus regressus Timmermann, 1952

Quadriceps punctatus regressus Timmermann, 1952.

Ann. Mag. Nat. Hist., (12). 5:215.

Koeniginirmus punctatus ancillaris, Zlotorzyczka, 1967.

Bull. Ent. Polon., 37:751; pl. 12, photograph 2, and
pl. 13, photograph 2.

Koeniginirmus punctatus balticus Zlotorzyczka, 1967.

Bull. Ent. Polon., 37:752, pl. 11, photograph 3, and pl.
12, photographs 3 and 4.

Koeniginirmus punctatus ceterus Zlotorzyczka, 1967.

Bull. Ent. Polon., 37:752, pl. 13, photograph 4.

Koeniginirmus punctatus flabilis Zlotorzyczka, 1967.

Bull. Ent. Polon., 37:753, pl. 11, photograph 4.

Saemundssonina lari breviappendiculata (Piaget, 1880)

Docophorus breviappendiculatus Piaget, 1880. Les

Pediculines: 108, pl. 9, fig. 9.

Saemundssonina lariargentati Touleshkov, 1959. Compt.

Acad. Bulgare Sci., 12:448, figs. 4 and 5.

Larus californicus Lawrence--California Gull

Actornithophilus piceus lari (Packard, 1870)

(Type host: Larus marinus Linnaeus).

Austromenopon transversum (Denny, 1842)

(Type host: Rissa tridactyla (Linnaeus)).

Quadriceps punctatus sublingulatus Timmermann, 1952

(Type host: Larus delawarensis Ord).

Larus delawarensis Ord--Ring-billed Gull

Actornithophilus piceus lari (Packard, 1870)

(Type host: Larus marinus Linnaeus).

Austromenopon transversum (Denny, 1842)
(Type host: Rissa tridactyla (Linnaeus)).

Quadriceps punctatus sublingulatus Timmermann, 1952
Quadriceps punctatus sublingulatus Timmermann, 1952.
Ann. Mag. Nat. Hist., (12), 5:215.

Saemundssonina lari congener (Giebel, 1874)
(Type host: Larus canus Linnaeus).

Larus canus Linnaeus -- Mew Gull
Actornithophilus piceus lari (Packard, 1870)
(Type host: Larus marinus Linnaeus).

Austromenopon transversum (Denny, 1842)
(Type host: Rissa tridactyla (Linnaeus)).

Quadriceps ornatus ornatus (Grube, 1851)
Nirmus ornatus Grube, 1851. In Middendorff, Sibir.
Reise, 2:477, pl. 31, fig. 4.
Nirmus lineolatus atrimarginatus Kellogg and
Chapman, 1899. Occ. Pap. Calif. Acad. Sci., 6:75.

Quadriceps ornatus striolatus (Nitzsch, 1866)
(Type host: Larus hyperboreus Gunnerus).

Quadriceps punctatus regressus Timmermann, 1952
(Type host: Larus argentatus Pontoppidan).

Saemundssonina lari congener (Giebel, 1874)
Docophorus congener Giebel, 1874. Insecta Epizoa:
III.
Pediculus lari Larrangaga, 1928 (nec O. Fabricius,
1780). In Vogelsang, Ann. Mus. Hist. Nat.
Montevideo (2), 2:429.

Larus ridibundus Linnaeus -- Black-headed Gull
Actornithophilus piceus lari (Packard, 1870)
(Type host: Larus marinus Linnaeus).

Austromenopon transversum (Denny, 1842)
(Type host: Rissa tridactyla (Linnaeus)).

Quadriceps punctatus punctatus (Burmeister, 1838)

Nirmus punctatus Burmeister, 1838. Handb. Ent., 2:
428.

Nirmus punctulatus Giebel, 1866. Z. ges. NatWiss.,
28:377.

Saemundssonina lari mülleri Eichler, 1942

Docophorus lari Müller, 1927 (nec O. Fabricius, 1780).
Ber. Westpreuss. bot.-zool. Ver., 40:10, 39 and 40.

Saemundssonina mülleri Eichler, 1942. Zool. Anz.,
139:31 (nn for D. lari Müller, 1927).

Larus atricilla Linnaeus--Laughing Gull

Actornithophilus piceus lari (Packard, 1870)

(Type host: Larus marinus Linnaeus).

Austromenopon transversum (Denny, 1842)

(Type host: Rissa tridactyla (Linnaeus)).

Saemundssonina lari atricilla Carriker, 1956

Saemundssonina atricilla Carriker, 1956. Florida
Ent., 39:29, figs. 21-23.

Larus pipixcan Wagler--Franklin's Gull

Actornithophilus piceus lari (Packard, 1870)

(Type host: Larus marinus Linnaeus).

Austromenopon transversum (Denny, 1842)

(Type host: Rissa tridactyla (Linnaeus)).

Larus philadelphia (Ord)--Bonaparte's Gull

Actornithophilus piceus lari (Packard, 1870)

(Type host: Larus marinus Linnaeus).

Austromenopon transversum (Denny, 1842)

(Type host: Rissa tridactyla (Linnaeus)).

Quadriceps punctatus sublingulatus Timmermann, 1952

(Type host: Larus delawarensis Ord).

Larus minutus Pallas--Little Gull

Actornithophilus piceus lari (Packard, 1870)

(Type host: Larus marinus Linnaeus).

Austromenopon transversum (Denny, 1842)
(Type host: Rissa tridactyla (Linnaeus)).

Quadriceps eugrammicus eugrammicus (Burmeister, 1838)
Nirmus eugrammicus Burmeister, 1838. Handb.
Ent., 2:428.

Philopterus grammicus Gervais, 1844. In Walckenaer,
Hist. Nat. Inst., 3:350 (nn for N. eugrammicus
Burmeister, 1838).

Saemundssonina inexpectata Timmermann, 1951
Saemundssonina inexpectata Timmermann, 1951.
Parasit. News, (2), 1:9, fig. 1.

Saemundssonina lari waterstoni Timmermann, 1951
Saemundssonina lari waterstoni Timmermann, 1951.
Parasit. News, (2), 1:8.

Larus heermanni Cassin--Heermann's Gull
Actornithophilus piceus lari (Packard, 1870)
(Type host: Larus marinus Linnaeus).

Austromenopon transversum (Denny, 1842)
(Type host: Rissa tridactyla (Linnaeus)).

Quadriceps punctatus felix (Giebel, 1874)
Nirmus felix Giebel, 1874. Insecta Epizoa: 175.
Koeniginirmus punctatus kelloggi Eichler, 1951. Bonn.
Zool. Beitr., 2:132.

Saemundssonina lari meinertzhageni Timmermann, 1951.
Saemundssonina lari meintertzhageni Timmermann,
1951. Parasit. News, (2), 1:8.

Pagophila eburnea (Phipps)--Ivory Gull
Actornithophilus piceus lari (Packard, 1870)
(Type host: Larus marinus Linnaeus).

Austromenopon transversum (Denny, 1842)
(Type host: Rissa tridactyla (Linnaeus)).

Saemundsson lari pagophilae Timmermann, 1949
Saemundsson gonothorax pagophilae Timmermann,
1949. Verh. Visind. Isl., 3:8, figs. 2 and 3.

Rissa tridactyla (Linnaeus)--Black-legged Kittiwake
Actornithophilus piceus lari (Packard, 1870)
(Type host: Larus marinus Linnaeus).

Austromenopon transversum (Denny, 1842)
Menopon transversum Denny, 1842. Mon. Anopl. Brit. :
201 and 226, pl. 21, fig. 7.
Menopon ridibundis Denny, 1842. Mon. Anopl. Brit. :
201 and 227, pl. 20, fig. 3.
Menopon obtusum Giebel, 1866. Z. ges. NatWiss.,
28:392.
Menopon phaeopus Nitzsch, 1866. In Giebel, Z. ges.
NatWiss., 28:392.
Menopon pachypus Piaget, 1888. Tijdschr. Ent., 31:
161, pl. 4, fig. 4.
Menopon infrequens Kellogg, 1896. Proc. Calif.
Acad. Sci., 6:161, pl. 15, fig. 5.
Menopon lemniscatum Enderlein, 1908. Dtsch.
südpolar Exped. Zool., 2:456, pl. 62, figs. 203, 207,
and 210.
Austromenopon transversum circular Zlotorzyska,
1968. Bull. Ent. Pologne, 37:306, fig. 1.
Austromenopon transversum comitor Zlotorzyska,
1968. Bull. Ent. Pologne, 37:306, fig. 2.

Quadriceps ornatus paulschulzei (Timmermann, 1949)
Koeniginirmus ornatus paulschulzei Timmermann,
1949. Verh. Visind. Isl., 2:86, fig. 1.

Saemundsson lari tridactylae Timmermann, 1949
Saemundsson gonothroax tridactylae Timmermann,
1949. Verh. Visind. Isl., 3:7, fig. 1.

Rissa brevirostris (Bruch)--Red-legged Kittiwake
Actornithophilus piceus lari (Packard, 1870)
(Type host: Larus marinus Linnaeus).

Austromenopon transversum (Denny, 1842)
(Type host: Rissa tridactyla (Linnaeus)).

- Rhodostethia rosea (MacGillivray)--Ross' Gull
Actornithophilus piceus lari (Packard, 1870)
 (Type host: Larus marinus Linnaeus).
- Austromenopon transversum (Denny, 1842)
 (Type host: Rissa tridactyla (Linnaeus)).
- Quadriceps eugrammicus bryki Timmermann, 1952
Quadriceps eugrammicus bryki Timmermann, 1952.
 Ann. Mag. Nat. Hist., (12), 5:221.
- Xema sabini (Sabine)--Sabine's Gull
Actornithophilus piceus lari (Packard, 1870)
 (Type host: Larus marinus Linnaeus).
- Austromenopon transversum (Denny, 1842)
 (Type host: Rissa tridactyla (Linnaeus)).
- Quadriceps eugrammicus lineatus (Piaget, 1880)
Nirmus lineatus Piaget, 1880. Les Pediculines:
 204, pl. 16, fig. 7.
Nirmus or Degeeriella jugifer Müller, 1932. Ber.
 westpreuss, bot.-zool. Ver., 54:29 and 32.
- Saemundssonina lari fallai Timmermann, 1951
Saemundssonina lari fallai Timmermann, 1951.
 Parasit. News, (2), 1:7.
 (Type host: Larus novaehollandiae Stephens).
- Gelochelidon nilotica (Gmelin)--Gull-billed Tern
Actornithophilus piceus piceus (Denny, 1842)
 (Type host: Thalasseus sandvicensis (Latham)).
- Austromenopon atrofulvum (Piaget, 1880)
Menopon atrofulvum Piaget, 1880. Les Pediculines:
 483, pl. 39, fig. 2.
Menopon sternophilum Ferris, 1932. Bull. Bishop.
 Mus., 98:59, fig. 12.
Menopon fuscofasciatum minor Piaget, 1937 (nec 1880)
 In Thompson, Ann. Mag. Nat. Hist., (10), 20:24.
Actornithophilus leucopleurus Touleshkov, 1959. Compt.
 Acad. Bulgare Sci., 12:557, fig. 1.
Austromenopon caspiae Zlotorzyska, 1968. Bull. Ent.
 Pologne, 38:311, fig. 3.

- Austromenopon putum Zlotorzyczka, 1968. Bull. Ent. Pologne, 38:312, fig. 4.
- Austromenopon sternophilum paucum Zlotorzyczka, 1968. Bull. Ent. Pologne, 38:314, fig. 5.
- Austromenopon sternophilum piageti Zlotorzyczka, 1968. Bull. Ent. Pologne, 38:315, figs. 6 and 7. (Type host: Thalasseus bergi (Lichtenstein).
- Quadriceps baliola baliola (Blagoveshtchensky, 1951)
Degeeriella caspia baliola Blagoveshtchensky, 1951. Mag. Parasit., Leningr., 13:300, fig. 13.
- Quadriceps insignis calendae Timmermann, 1952. Zool. Anz., 148:83.
- Quadriceps kekra Ansari, 1947
Quadriceps kekra Ansari, 1947. Proc. Nat. Inst., Sci. India, 13:276, fig. 8.
- Saemundssonina gelochelidoni Touleshkov, 1959
Saemundssonina gelochelidoni Touleshkov, 1959. Compt. Acad. Bulgare Sci., 12:558, figs. 2 and 2.
- Sterna trudeaui Audubon--Trudeau's Tern
Actornithophilus piceus piceus (Denny, 1842)
(Type host: Thalasseus sandvicensis (Latham).
- Austromenopon atrofulvum (Piaget, 1880)
(Type host: Thalasseus bergi (Lichtenstein).
- Saemundssonina olrogi Timmermann, 1961
Saemundssonina olrogi Timmermann, 1961. Bonn. Zool. Beitr., 12:65, fig. 1.
- Sterna forsteri Nuttall--Forster's Tern
Actornithophilus piceus piceus (Denny, 1842)
(Type host: Thalasseus sandvicensis (Latham).
- Austromenopon atrofulvum (Piaget, 1880)
(Type host: Thalasseus bergi (Lichtenstein).
- Saemundssonina parvigenitalis Ward, 1955
Saemundssonina parvigenitalis Ward, 1955. Proc. U.S. Nat. Mus., no. 3353, 105:87, figs. 1a and 1b.

Sterna hirundo Linnaeus--Common Tern

Actornithophilus piceus piceus (Denny, 1842)

(Type host: Thalasseus sandvicensis (Latham).

Austromenopon atrofulvum (Piaget, 1880)

(Type host: Thalasseus bergi (Lichtenstein).

Quadriceps sellatus sellatus (Burmeister, 1838)

Nirmus sellatus Burmeister, 1838. Handb. Ent.,
2:428.

Nirmus selliger Giebel, 1861. Z. ges. NatWiss.,
18:315 (nn for N. sellatus Burmeister, 1838).

Philopterus stellatus Gervais, 1884. In Walckenaer,
Hist. Nat. Insectes, 3:346 (misspelling of sellatus
Burmeister).

Saemundssonina sternae (Linnaeus, 1758)

Pediculus sternae Linnaeus, 1758. Syst. Nat., ed.
10:612.

Nirmus fornicatus Olfers, 1816. De Veget. . . : 89.

Docophorus 5-maculatus Piaget, 1885. Les Pediculines;
Supplement: 9, pl. 1, fig. 10.

Sterna paradisaea Pontoppidan--Arctic Tern

Actornithophilus piceus piceus (Denny, 1842)

(Type host: Thalasseus sandvicensis (Latham).

Austromenopon atrofulvum (Piaget, 1880)

(Type host: Thalasseus bergi (Lichtenstein).

Quadriceps sellatus houri Hopkins, 1949

Quadriceps houri Hopkins, 1949. Ann. Mag. Nat.
Hist., (12), 2:52, pl. 3, figs. 9-10.

Saemundssonina lockeyi Clay, 1949

(Type host: Sterna vittata georgiae Reichenow).

Saemundssonina lockeyi Clay, 1949. Amer. Mus.
Novit., no. 1409:11, figs. 17, 24 and 25.

Sterna dougallii Montagu--Roseate Tern

Actornithophilus piceus piceus (Denny, 1842)

(Type host: Thalasseus sandvicensis (Latham).

Austromenopon atrofulvum (Piaget, 1880)

(Type host: Thalasseus bergi (Lichtenstein).

Quadriceps giebeli (Eichler, 1951)

Koeniginirmus nyctemerus giebeli Eichler, 1951.

Bonn. Zool. Beitr., 2:128 (nn for "Nirmus anagrapsus
var.," Giebel, 1874).

Saemundssonina sternae (Linnaeus, 1758)

(Type host: Sterna hirundo Linnaeus).

Sterna aleutica Baird--Aleutian Tern

Actornithophilus piceus piceus (Denny, 1842)

(Type host: Thalasseus sandvicensis (Latham).

Austromenopon atrofulvum (Piaget, 1880)

(Type host: Thalasseus bergi (Lichtenstein).

Sterna fuscata Linnaeus--Sooty Tern

Actornithophilus incisus (Piaget, 1880)

(Type host: Anous stolidus (Linnaeus).

Actornithophilus piceus piceus (Denny, 1842)

(Type host: Thalasseus sandvicensis (Latham).

Austromenopon atrofulvum (Piaget, 1880)

(Type host: Thalasseus bergi (Lichtenstein).

Quadriceps birostris (Giebel, 1874)

Nirmus birostris Giebel, 1874. Insecta Epizoa: 174.

Nirmus gloriosus Kellogg and Kuwana, 1902. Proc.

Wash. Acad. Sci., 4:467, pl. 29, fig. 1.

Nirmus obtusus Kellogg and Kuwana, 1902. Proc.

Wash. Acad. Sci., 4:468, pl. 29, fig. 2.

Saemundssonina albermarlensis (Kellogg and Kuwana, 1902)

Docophorus albemarlensis Kellogg and Kuwana, 1902.

Proc. Wash. Acad. Sci., 4:465, pl. 28, fig. 5.

Saemundssonina petersi Ward, 1955. Proc. U.S. Nat.

Mus., no. 3353, 105:90, figs. 1b, d and f.

Sterna anaethetus Scopoli--Bridled Tern

Actornithophilus piceus piceus (Denny, 1842)

(Type host: Thalasseus sandvicensis (Latham).

Austromenopon atrofulvum (Piaget, 1880)

(Type host: Thalasseus bergi (Lichtenstein).

Quadriceps legatus Timmermann, 1952

Quadriceps legatus Timmermann, 1952. Zool.
Anz., 148:77, figs. 4-5.

Saemundssonina meridiana Timmermann, 1950

Saemundssonina meridiana Timmermann, 1950.
Parasit. News, (1), 1:1, fig. 1.

Sterna albifrons Pallas--Least Tern

Actornithophilus piceus piceus (Denny, 1842)

(Type host: Thalasseus sandvicensis (Latham).

Austromenopon atrofulvum (Piaget, 1880)

(Type host: Thalasseus bergi (Lichtenstein).

Quadriceps nychthemerus (Burmeister, 1838)

Nirmus nychthemerus Burmeister, 1838. Handb. Ent.,
2:428.

Nirmus urniger Giebel, 1861. Z. ges. NatWiss.,
18:315 (nn for N. nychthemerus Burmeister, 1838).

Nirmus mesomelas Nitzsch, 1874. In Giebel, Insecta
Epizoa: 174, pl. 5, fig. 8.

Saemundssonina melanocephalus (Burmeister, 1838)

Docophorus melanocephalus Burmeister, 1838). Handb.
Ent., 2:426.

Thalasseus maximus (Boddaert)-Royal Tern

Actornithophilus piceus piceus (Denny, 1842)

(Type host: Thalasseus sandvicensis (Latham).

Austromenopon atrofulvum (Piaget, 1880)

(Type host: Thalasseus bergi (Lichtenstein).

Quadriceps praestans (Kellogg, 1896)

Nirmus praestans Kellogg, 1896. Proc. Calif. Acad.
Sci. 6:99, pl. 5, figs. 1-2.

Nirmus hebes Kellogg, 1896. Proc. Calif. Acad. Sci., 6:101, pl. 5, fig. 3.

Saemundssonina laticaudata (Rudow, 1869)
(Type host: Thalasseus sandvicensis (Latham).

Thalasseus elegans (Gambel)--Elegant Tern
Actornithophilus piceus piceus (Denny, 1842)
(Type host: Thalasseus sandvicensis (Latham).

Austromenopon atrofulvum (Piaget, 1880)
(Type host: Thalasseus bergi (Lichtenstein).

Thalasseus sandvicensis (Latham)--Sandwich Tern
Actornithophilus piceus piceus (Denny, 1842)
Colpocephalum piceum Denny, 1842. Mon. Anopl. Brit.: 198 and 212, pl. 18, fig. 4.
Colpocephalum maurum Nitzsch, 1866. In Giebel, Z. ges. Natwiss., 28:395.
Colpocephalum sulcatum Piaget, 1880. Les Pediculines: 565, pl. 47, fig. 5.
Colpocephalum crassipes Piaget, 1880. Les Pediculines: 566, pl. 47, fig. 6.
Actornithophilus funebre candidus Carriker, 1949. Proc. U.S. Nat. Mus., no. 3254, 100:17.
Larithophilus negroidalis Zlotorzycza, 1963. Acta Parasit. Polonica, 11:226, fig. 1b and photograph 2.
Larithophilus sperabilis Zlotorzycza, 1963. Acta Parasit. Polonica, 11:227, fig. 1c and photograph 3.

Austromenopon atrofulvum (Piaget, 1880)
(Type host: Thalasseus bergi (Lichtenstein).

Quadriceps longicollis (Rudow, 1869)
Nirmus longicollis Rudow, 1869. Beitr. Kenntn. Malloph.: 49.

Saemundssonina brevicornis (Giebel, 1874)
(only on Thalasseus sandvicensis acufavidus (Cabot)
Docophorus brevicornis Giebel, 1874. Insecta Epizoa: 112.

Saemundsson laticaudata (Rudow, 1869)

Docophorus laticaudatus Rudow, 1869. Beitr.
Kennntn. Malloph.: 12.

Hydroprogne caspia (Pallas)--Caspian Tern

Actornithophilus piceus piceus (Denny, 1842)

(Type host: Thalasseus sandvicensis (Latham).

Austromenopon atrofulvum (Piaget, 1880)

(Type host: Thalasseus bergi (Lichtenstein).

Quadriceps griseus (Rudow, 1869)

Nirmus griseus Rudow, 1869. Beitr. Kennntn.
Malloph.: 21.

Nirmus caspius Giebel, 1874. Insecta Epizoa: 174.

Koeniginirmus caspius certus Zlotorzycza, 1967.

Bull. Ent. Polon., 37:757; pl. 14, photograph 3; pl.
15, photograph 3; pl. 16, photograph 3.

Chlidonias nigra (Linnaeus)--Black Tern

Actornithophilus piceus piceus (Denny, 1842)

(Type host: Thalasseus sandvicensis (Latham).

Quadriceps phaeonotus (Nitzsch, 1866)

Nirmus phaeonotus Nitzsch, 1866. In Giebel, Z. ges.
NatWiss., 28:375.

Saemundsson lobaticeps lobaticeps (Giebel, 1874)

Docophorus lobaticeps Giebel, 1874. Insecta
Epizoa: 109.

Docophorus laricola Nitzsch, 1874. In Giebel, Insecta
Epizoa: 110.

Docophorus pustuliferus Picaglia, 1885. Atti. Soc.
Ital. Sci. Nat., 28:84.

Chlidonias leucopterus (Temminck)--White-winged Black Tern

Actornithophilus piceus piceus (Denny, 1842)

(Type host: Thalasseus sandvicensis (Latham).

Austromenopon atrofulvum (Piaget, 1880)

(Type host: Thalasseus bergi (Lichtenstein).

Quadriceps anagrapsus (Nitzsch, 1866)

Nirmus anagrapsus Nitzsch, 1866. In Giebel, Z. ges. NatWiss., 28:376.

Koeniginirmus pagasti Eichler, 1951. Bonner Zool. Beitr., 2:128, fig. 2.

(Type host: Chlidonias hybrida (Pallas).)

Anotus stolidus (Linnaeus)--Noddy Tern

Actornithophilus ceruleus (Timmermann, 1954)

Clypeodon ceruleus Timmermann, 1954. Ann. Mag. Nat. Hist., (12), 7:830, figs. 2c and d, and pl. 26, fig. c.

(Type host: Procelsterna cerulea (F. D. Bennett).)

Actornithophilus incisus (Piaget, 1880)

Colpocephalum incisum Piaget, 1880. Les Pediculines: 569, pl. 47, fig. 9.

Colpocephalum milleri Kellogg and Kuwana, 1902.

Proc. Wash. Acad. Sci., 4:483, pl. 30, fig. 6.

Colpocephalum epiphanes Kellogg and Chapman, 1902.

J. N. Y. Ent. Soc., 10:161, pl. 14, fig. 2.

Clypeodon pacificus Timmermann, 1955. Ann. Mag.

Nat. Hist., (12), 8:534.

Quadriceps separatus (Kellogg and Kuwana, 1902)

Nirmus separatus Kellogg and Kuwana, 1902. Proc.

Wash. Acad. Sci., 4:472, pl. 29, fig. 6.

Nirmus gloriosus emarginatus Kellogg and Chapman,

1902. J. N. Y. Ent. Soc., 10:159.

Saemundssonina lobaticeps remota Timmermann, 1951

Saemundssonina lobaticeps remota Timmermann, 1951.

Naturufraedingnum, 3:142.

Rynchopidae

Rynchops nigra Linnaeus--Black Skimmer

Quadriceps elongatus (Piaget, 1885)

(Type host: Rynchops flavirostris Vieillot)

Docophorus elongatus Piaget, 1885. Les Pediculines, Supplement: 15, pl. 2, fig. 4.

Saemundssonina anisorhamphos Timmermann, 1951
(Type host: Rynchops flavirostris Vieillot)
Saemundssonina anisorhamphos Timmermann, 1951.
Naturufraedingnum, 3:142, fig. 2.

Alcidae

Alca torda Linnaeus--Razorbill

Austromenopon nigropleurum (Denny, 1842)

Menopon nigro-pleurum Denny, 1842. Mon. Anopl.
Brit.: 200 and 224, pl. 20, fig. 1.

Quadriceps alcae (Denny, 1842)

Nirmus alcae Denny, 1842. Mon. Anopl. Brit.: 52
and 137, pl. 9, fig. 1.

Nirmus citrinus Nitzsch, 1866. In Giebel, Z. ges.
NatWiss., 28:378.

Saemundssonina celidoxa (Burmeister, 1838)

Docophorus celidoxa Burmeister, 1838. Handb.
Ent., 2:426.

Uria aalge (Pontoppidan)--Common Murre

Austromenopon uriae Timmermann, 1954

Austromenopon uriae Timmermann, 1954. Bonn.
Zool. Beitr., 5:196, fig. 2.

Quadriceps obliquus (Mjöberg, 1910)

Nirmus obliquus Mjöberg, 1910. Ark. Zool., 6:148,
pl. 2, figs. 2 and 5.

Saemundssonina calva (Kellogg, 1896)

Docophorus calvus Kellogg, 1896, Proc. Calif. Acad.
Sci., 6:79, pl. 3, fig. 1.

Plautus alle (Linnaeus)--Dovekie

Austromenopon merguli Timmermann, 1954

Austromenopon merguli Timmermann, 1954. Bonn.
Zool. Beitr., 5:197.

Quadriceps klatti Timmermann, 1954

Quadriceps klatti Timmermann, 1954. Zool. Anz.,
152:172, fig. 9r and 10.

Saemundssonina merguli (Denny, 1842)

Docophorus merguli Denny, 1842. Mon. Anopl. Brit.:
42 and 72, pl. 3, fig. 7.

Cephus grylle (Linnaeus)--Black Guillemot

Saemundssonina grylle (O. Fabricius, 1780)

Pediculus grylle O. Fabricius, 1780. Fauna
Groenlandica: 218.

Docophorus megacephalus Denny, 1842. Mon. Anopl.
Brit.: 44 and 86, pl. 5, fig. 5.

Cephus columba Pallas--Pigeon Guillemot

Quadriceps pacificus (Kellogg and Chapman, 1899)

Nirmus pacificus Kellogg and Chapman, 1899. Occ.
Pap. Calif. Acad. Sci., 6:70, pl. 5, fig. 8.

Saemundssonina procax (Kellogg and Chapman, 1899)

Docophorus procax Kellogg and Chapman, 1899. Occ.
Pap. Calif. Acad. Sci., 6:54, pl. 5, fig. 1.

Synthliboramphus antiquum (Gmelin)--Ancient Murrelet

Saemundssonina montereyi (Kellogg, 1896)

Docophorus montereyi Kellogg, 1896. Proc. Calif.
Acad. Sci., 6:87, pl. 3, fig. 6.

Ptychoramphus aleutica (Pallas)--Cassin's Auklet

Quadriceps maritimus (Kellogg and Chapman, 1899)

Nirmus maritimus Kellogg and Chapman, 1899.
Occ. Pap. Calif. Acad. Sci., 6:72, pl. 6, fig. 1.

Saemundssonina insolita (Kellogg, 1896)

Docophorus insolitus Kellogg, 1896. Proc. Calif. Acad.
Sci., 6:94, pl. 4, fig. 5.

Aethia cristatella (Pallas)--Crested Auklet

Saemundssonina wumisuzume (Uchida, 1948)

Philoaterus wumisuzume Uchida, 1948. Jap. Med.
J., 1:535, fig. 9.

Aethia pusilla (Pallas)--Least Auklet

Quadriceps aethereus (Giebel, 1874)

Nirmus aethereus Giebel, 1874. Insecta Epizoa: 301.

Cerorhinca monocerata (Pallas)--Rhinoceros Auklet

Saemundssonina acutipecta (Kellogg, 1896)

Docophorus acutipectus Kellogg, 1896. Proc. Calif.

Acad. Sci., 6:84, pl. 3, fig. 4.

Fratercula arctica (Linnaeus)--Common Puffin

Saemundssonina fraterculae (Overgaard, 1942)

Docophorus fraterculae Overgaard, 1942. Zool.

Iceland, 3, pt. 42:10, fig. 2.

COLUMBIFORMES

The genus Bonomiella Conci, 1942 (Riv. Soc. Stud. Venezia Tridentina, 23:1) is found only on this order. For a discussion of species in this genus see Emerson, 1957 (Florida Ent., 40:63).

The genus Campanulotes Keler, 1939 (Nova Acta Leop.-Carol. (n.f.), 8:157) is found only on this order. No recent review of the genus is available.

The genus Colpocephalum Nitzsch, 1818 (Mag. Ent. Germar, 3:298) is also found on this order.

The genus Coloceras Taschenberg, 1882 (Nova Acta Leop.-Carol., 44:42) is found only on this order of hosts. Keler, 1939 (Nova Acta Leop.-Carol. (n.f.), 8:59) reviewed the genus and erected Ancistrodes and Nitzschiella which are considered synonyms of Coloceras.

The genus Columbicola Ewing, 1929 (Manual of External Parasites: 190) is found only on this order of hosts. For a review of the genus, see Tendiro, 1962 (actually published in 1965) (Mem. Junta Invest. Ultram., 2nd Series, No. 32:7).

The genus Hohorstiella Eichler, 1940 (Zbl. Bakt. (I. Orig.), 145:362) is found only on this order. No recent review of the genus is available.

The genus Physconelloides Ewing, 1927 (J. Wash. Acad. Sci., 17:94) is found only on this order of hosts. For a discussion of the genus see Emerson, 1960 (J. Kans. Ent. Soc. 33:122).

Columbidae

Columba squamosa Bonnaterre--Scaly-naped Pigeon
Columbicola macrourae (Wilson, 1941)
(Type host: Zenaidrua macroura (Linnaeus)).

Columba fasciata Say--Band-tailed Pigeon
Columbicola macrourae (Wilson, 1941)
(Type host: Zenaidura macroura (Linnaeus)).

Hohorstiella frontalis Carriker, 1949
Hohorstiella frontalis Carriker, 1949. Rev. Brasil.
Biol., 9:302, figs. 6 and 7.

Physconelloides spenceri Emerson and Ward, 1958
Physconelloides spenceri Emerson and Ward, 1958.
J. Kans. Ent. Soc., 31:239, figs. 1 and 4.

Columba livia "domestica"--Domestic Pigeon
Bonomiella columbae Emerson, 1957
Bonomiella columbae Emerson, 1957.
Florida Ent., 40:60, figs. 1-3.

Campanulotes bidentatus compar (Burmeister, 1838)
Goniocotes compar Burmeister, 1838. Handb. Ent.,
2:431.
Goniocotes formosanus Sugimoto, 1929. Rept. Dept.
Agri. Res. Inst. Formosa, 43:25.

Coloceras damicorne fahrenheitzi Eichler, 1950
Coloceras damicornis fahrenheitzi Eichler, 1950.
Doriana, 1:3.

Colpocephalum turbinatum Denny, 1842
Colpocephalum turbinatum Denny, 1842. Mon. Anopl.
Brit.: 198 and 209, pl. 21, fig. 1.

- Colpocephalum oxyurum Nitzsch, 1861. In Giebel, Z. ges. NatWiss., 17:519.
- Colpocephalum ailurum Nitzsch, 1861. In Giebel, Z. ges. NatWiss., 17:522.
- Colpocephalum bicinctum Nitzsch, 1861. In Giebel, Z. ges. NatWiss., 17:524.
- Colpocephalum tricinctum Nitzsch, 1861. In Giebel, Z. ges. NatWiss., 17:524.
- Colpocephalum longicaudum Nitzsch, 1866. In Giebel, Z. ges. NatWiss., 28:392.
- Colpocephalum caudatum Giebel, 1874. Insecta Epizoa: 261.
- Colpocephalum caudatum setosum Piaget, 1880. Les Pediculines: 519.
- Colpocephalum dissimile Piaget, 1880. Les Pediculines: 520, pl. 43, fig. 4.
- Colpocephalum intermedium Piaget, 1880. Les Pediculines: 521 (nn for C. tricinctum Nitzsch, 1861).
- Colpocephalum subflavescens Piaget, 1880. Les Pediculines: 571, pl. 48, fig. 2.
- Colpocephalum dissimile major Piaget, 1885 (nec 1880), Les Pediculines; Supplement: 119, pl. 13, fig. 2.
- Colpocephalum caudatum longipes Piaget, 1885 (nec 1880). Les Pediculines, Supplement: 125.
- Colpocephalum latifasciatum Piaget, 1885. Les Pediculines, Supplement: 130, pl. 14, fig. 2.
- Colpocephalum osborni costaricense Carriker, 1903. Univ. Stud. Nebr., 3:172.
- Colpocephalum abruptofasciatum Mjöberg, 1910. Ark. Zool. 6:36, fig. 23.
- Neocolpocephalum gypae Qadri, 1935. Zeit. Parasit., 8:229, fig. 3.
- Neocolpocephalum trincinctum wetzeli Eichler, 1941. Arch. Naturgesch., B (n.f.), 10:374, fig. 23.
- Vulturigogus eugenii Eichler and Zlotorzyska, 1963. Acta Parasit. Polon., 11:207, fig. 4., pl. 1, figs. 2 and 3.
- Vulturigogus femellus Eichler and Zlotorzyska, 1963. Acta Parasit. Polon., 11:209, pl. 1, fig. 4.

Columbicola columbae (Linnaeus, 1758)

Pediculus columbae Linnaeus, 1758. Syst. Nat. ed. 10:614.

- Nirmus filiformis Olfers, 1816. De Veget. . . . , 1:90.
Lipeurus baculus Nitzsch, 1818. Mag. Ent. Germar,
3:293.
Lipeurus antennatus Giebel, 1874. Insecta Epizoa: 213.
Phagopterus columbae Freire and Duarte, 1944. Bol.
Soc. Brasil. Med. Vet., 13:14, figs. 1-3.
Columbicola juanfernandez Eichler, 1952. Beitrage
Vogelk., 2:349.
- Hohorstiella lata (Piaget, 1880)
Menopon latum Piaget, 1880. Les Pediculines: 457,
pl. 37, fig. 1.
- Physconelloides zenaidurae (McGregor, 1917)
(Type host: Zenaidura macroura (Linnaeus)).
- Zenaida aurita (Temminck)--Zenaida Dove
Columbicola macrourae (Wilson, 1941)
(Type host: Zenaidura macroura (Linnaeus)).
- Zenaida asiatica (Linnaeus)--White-winged Dove
Columbicola macrourae (Wilson, 1941)
(Type host: Zenaidura macroura (Linnaeus)).
- Physconelloides wisemani Emerson, 1960
Physconelloides wisemani Emerson, 1960.
J. Kans. Ent. Soc., 33:122, figs. 4, 9 and 14.
- Coloceras lativentre (Uchida, 1916)
Goniodes lativentre Uchida, 1916. Annot. Zool. Jap.,
9:81, figs. 1-2.
- Colpocephalum turbinatum Denny, 1842
(Type host: Domestic Pigeon).
- Columbicola fulmeki Eichler, 1942
Columbicola baculus fulmeki Eichler, 1943. S. B. ges.
Naturf. Fr. Berl., 1941: 274, 287, fig. 2.
- Columbigallina passerina (Linnaeus)--Ground Dove
Columbicola passerinae (Wilson, 1941)
Esthiopterum passerinae Wilson, 1941. J. Parasit.,
27:259, figs. 1-4.

Physconelloides passerinae Emerson, 1957 .

Physconelloides passerinae Emerson, 1957. J. Kans.
Ent. Soc., 30:37, fig. 4.

Scardafella inca (Lesson)--Inca Dove

Columbicola passerinae (Wilson, 1941)

(Type host: Columbigallina passerina (Linnaeus)).

Leptotila verreauxi Bonaparte--White-fronted Dove

Columbicola gracilicapitis Carriker, 1955

Columbicola gracilicapitis Carriker, 1955. Bol. Ent.
Venezol., 11:20, figs. 9-10.

Columbicola macroura (Wilson, 1941)

(Type host: Zenaidura macroura (Linnaeus)).

Physconelloides ceratoceps Ewing, 1927

Physconelloides ceratoceps Ewing, 1927. J. Wash.
Acad. Sci., 17:94.

Geotrygon montana (Linnaeus)--Ruddy Quail-Dove

Hohorstiella corpulenta Carriker, 1963

Hohorstiella corpulenta Carriker, 1963. Rev. Brasil.
Biol., 23:296, figs. 5 and 6.

Physconelloides montana Carriker, 1961

Physconelloides montana Carriker, 1961. Novedades
Colombianas, 1 (6): 518, pl. I, fig. 3; pl. III, fig. 4.

CUCULIFORMES

The genus Cuculicola Clay and Meinertzhagen, 1939 (Entomologist, 72:165) is found only on this order.

The genus Cuculiphilus Uchida 1926 (J. Coll. Agri. Tokyo, 9:47) is found in North America on this order and Cathartidae, order Falconiformes. For a revision of the genus, see Scharf and Price, 1965 (Ann. Ent. Soc. Amer., 58:546).

The genus Cuculoecus Ewing, 1926 (Proc. Ent. Soc. Wash., 28:148) is found only on this order.

The genus Osborniella Thompson, 1948 (Ann. Mag. Nat. Hist., (12), 1:53) is found in North America only on the genus Crotoplaga.

The genus Vernoniella Guimaraes 1942 (Pap. Avulsos Dept. Zool. S. Paulo, 2:133) is found in North America only on the genus Crotoplaga.

Cuculidae

Coccyzus minor (Gmelin)--Mangrove Cuckoo

Cuculiphilus snodgrassi (Kellogg and Kuwana, 1902)

Menopon snodgrassi Kellogg and Kuwana, 1902. Proc. Wash. Acad. Sci., 4:486. pl. 31, fig. 3.

Menopon galapagensis Kellogg and Kuwana, 1902. Proc. Wash. Acad. Sci., 4:487, pl. 31, fig. 4.

Cuculiphilus coromandus Uchida, 1926. J. Coll. Agri., Tokyo, 9:49, fig. 17.

Cuculiphilus coromandus centropi Qadri, 1935. Z.
Parasit., 8:231, fig. 4.
Cuculiphilus pupiya Ansari, 1951. Proc. Nat. Inst.
Sci., India, 17:158, fig. 13a-3.
(Type host: Coccyzus melanocoryphus Vieillot).

Coccyzus americanus (Linnaeus)--Yellow-billed Cuckoo

Cuculoecus coccygi (Osborn, 1896)

Docophorus coccygi Osborn, 1896. Bull. U.S. Bur.
Ent. (n. s.), 5:222, fig. 143.

Docophorus latifrons occidentalis Kellogg, 1899 (nec
1896). Occ. Pap. Calif. Acad. Sci., 6:6, pl. 1, figs.
5 and 8.

Cuculiphilus snodgrassi (Kellogg and Kuwana, 1902)

(Type host: Coccyzus melanocoryphus Vieillot).

Coccyzus erythrophthalmus (Wilson)--Black-billed Cuckoo

Cuculicola erythrophthalmus Emerson, 1964

Cuculicola erythrophthalmus Emerson, 1964. Ent. News,
75:69, figs. 1-3.

Geococcyx californianus (Lesson)--Roadrunner

Cuculicola splendidus (Kellogg, 1899)

Nirmus splendidus Kellogg, 1899. Occ. Pap. Calif.
Acad. Sci., 6:16, pl. 2, figs. 3 and 6.

Crotophaga ani Linnaeus--Smooth-billed Ani

Osborniella crotophagae (Stafford, 1943)

Colpocephalum crotophagae Stafford, 1943. Bol. Ent.
Venezol., 2:47, figs. 29-36.

Vernoniella guimaraesi Thompson, 1948

Vernoniella guimaraesi Thompson, 1948. Ann. Mag.
Nat. Hist., (12), 1:49, figs. 1-6.

Crotophaga sulcirostris Swainson--Grove-billed Ani

Osborniella sulcirostris Wiseman, 1963

Osborniella sulcirostris Wiseman, 1963. J. Kansas
Ent. Soc., 36:103, pl. 1.

Vernoniella macgregori (Kellogg, 1899)

Lipeurus macgregori Kellogg, 1899. Occ. Pap. Calif.
Acad. Sci., 6:33, pl. 3, figs. 5-6.

Lipeurus crotophagae McGregor, 1917. Psyche, 24:106,
pl. 5, fig. 4.

STRIGIFORMES

The genus Colpocephalum Nitzsch, 1818 (Mag. Ent. Germar, 3:298) is found on several orders. For a discussion of the species found on Strigiformes, see Price and Beer, 1963 (J. Kansas Ent. Soc., 36:58).

The genus Kurodaia Uchida, 1926 (J. Coll. Agri., Tokyo, 9:50) is also found on Falconiformes. For a discussion of the genus, see Price and Beer, 1963, Ann. Ent. Soc. Amer., 56:849.

The genus Strigiphilus Mj berg, 1910 (Ark. Zool., 6:132) is found only on Strigiformes. For a key to the species, see Clay, 1966 (Pacific Insects, 8:835).

Tytonidae

Tyto alba (Scopoli)--Barn Owl

Kurodaia subpachygaster (Piaget, 1880)

Colpocephalum subpachygaster Piaget, 1880. Les
Pediculines: 517, pl. 43, fig. 2.

Strigiphilus aitkeni Clay, 1966

Strigiphilus aitkeni Clay, 1966. J. Ent. Soc. Queensland,
5:12, pl. II, figs. 5, 7, 9, and 11.

Strigidae

Otus asio (Linnaeus)--Screech Owl

Kurodaia painei (McGregor, 1912)

Colpocephalum painei McGregor, 1912. Ent. News, 23:
305, fig. 1.

Strigiphilus otus Emerson, 1955

Strigiphilus otus Emerson, 1955. Proc. Ent. Soc.
Wash., 57:241, figs. 1-2.

Bubo virginianus (Gmelin)--Great Horned Owl

Colpocephalum brachysomum Kellogg and Chapman, 1902
(Type host: Asio flammeus (Pontoppidan).

Kurodaia magna Emerson, 1960

(Type host: Strix varia Barton).

Strigiphilus acutifrons Emerson, 1961

Strigiphilus acutifrons Emerson, 1961. Proc. Biol.
Soc. Wash., 74:189, figs. 2 and 10.

Strigiphilus elutus Carriker, 1966. Amer. Midland Nat.,
76:87, figs. 18 and 19.

Strigiphilus oculatus (Rudow, 1870)

Nirmus oculatus Rudow, 1870. Z. ges. NatWiss.,
35:465.

Docophorus bubonis Osborn, 1896. Bull. U.S. Bur.
Ent. (n. s.), 5:219.

Strigiphilus chilensis Carriker, 1966. Amer. Midland
Nat., 76:95, fig. 34.

Nyctea scandiaca (Linnaeus)--Snowy Owl

Strigiphilus ceblebrachys (Denny, 1842)

Pediculus strigis O. Fabricius, 1780 (nec Pontoppidan,
1763) Fauna Greenlandica: 216.

Docophorus ceblebrachys Denny, 1842. Mon. Anopl.
Brit.: 45 and 92, pl. 1, fig. 3.

Surnia ulula (Linnaeus)--Hawk-Owl

Strigiphilus crenulatus (Giebel, 1874)

Docophorus crenulatus Giebel, 1874. Insecta Epizoa: 78.

Glaucidium gnoma Wagler--Pygmy Owl

Kurodaia gnomae Price, 1964

Kurodaia gnomae Price, 1964. Ent. News, 75:145,
figs. 1-3.

Glaucidium brasilianum (Gmelin)--Ferruginous Owl

Kurodaia caputonis (Carriker, 1966)

Conciella caputonis Carriker, 1966. Amer. Midland Nat., 76:77, figs. 1-2.

Conciella clamator Carriker, 1966. Amer. Midland Nat., 76:78, fig. 3.

Conciella setosa Carriker, 1966. Amer. Midland Nat., 76:79, figs. 4 and 5.

Conciella glaucidae Carriker, 1966. Amer. Midland Nat., 76:79, fig. 6.

Strigiphilus microgenitalis Carriker, 1966

Strigiphilus microgenitalis Carriker, 1966. Amer. Midland Nat., 76:92, figs. 29 and 30.

Speotyto cunicularia (Molina)--Burrowing Owl

Copocephalum pectinatum Osborn, 1902

Copocephalum pectinatum Osborn, 1902. Ohio Nat., 2:201, pl. 14, fig. 2.

Copocephalum ictinae Carriker, 1963. Mem. Soc. Cien. Nat. LaSalle, 23:13, pl. 1b, fig. 3b; and pl. III, figs. 2 and 3b.

Conciella pectinata neotropicalis Carriker, 1963. Mem. Soc. Cien. Nat. LaSalle, 23:16, pl. 2, fig. 1; and pl. 3, fig. 3c.

Strigiphilus speotyti (Osborn, 1896)

Docophorus speotyti Osborn, 1896. Bull. U.S. Bur. Ent. (n.s.), 5:222, fig. 144.

Eustrigiphilus speotyti Eichler, 1954 (nec Osborn, 1896). Fauna Peru, 4:38, fig. 15. (?)

Strigiphilus speotyti altiplanus Carriker, 1966. Amer. Midland Nat., 76:96, figs. 38 and 39 (nn for E. speotyti Eichler, 1954 nec D. speotyti Osborn, 1896). (?)

Strigiphilus speotyti desertae Carriker, 1966. Amer. Midland Nat., 76:97, figs. 40 and 41.

Strigiphilus speotyti magdaleneae Carriker, 1966. Amer. Midland Nat., 76:98, figs. 42 and 43.

Strix varia Barton--Barred Owl

Kurodaia magna Emerson, 1960

Kurodaia magna Emerson, 1960. Ent. News, 71:169, figs. 1-3.

Kurodaia edwards Emerson, 1961. Proc. Biol.
Soc. Wash., 74:190, figs. 3-4.

Strigiphilus varius Carriker, 1958

Strigiphilus varius Carriker, 1958. Proc. Ent. Soc.
Wash., 60:169, figs. 3-4.

Strix nebulosa Forster--Great Gray Owl

Strigiphilus syrnii (Packard, 1873)

Docophorus syrnii Packard, 1873. Rep. U.S. Geol.
Survey, 1872:733, fig. 62.

Oncophorus remotus Kellogg and Chapman, 1899. Occ.
Pap. Calif. Acad. Sci., 6:107, pl. 7, fig. 7.

Asio otus (Linnaeus)--Long-eared Owl

Strigiphilus barbatus (Osborn, 1902)

Docophorus barbatus Osborn, 1902. Ohio Nat., 2:201,
pl. 14, fig. 1.

Neodocophours asionis Eichler, 1949. Beitr. Tax.
Zool., 1:12, pl. 1, figs. 1-12.

Asio flammeus (Pontoppidan)--Short-eared Owl

Colpocephalum brachysomum Kellogg and Chapman, 1902

Colpocephalum brachysomum Kellogg and Chapman,
1902. J. N. Y. Ent. Soc., 10:162, pl. 14, fig. 3.

Colpocephalum discrepans Kellogg and Chapman, 1902.
J. N. Y. Ent. Soc., 10:164, pl. 15, fig. 1.

Kurodaia keleri Emerson, 1961. Proc. Biol. Soc.
Wash., 74:191, figs. 7-9.

Kurodaia flammei Price and Beer, 1963

Kurodaia flammei Price and Beer, 1963. Ann. Ent.
Soc. Amer., 56:851, figs. 16 and 17.

Strigiphilus cursor (Burmeister, 1838)

Docophorus cursor Burmeister, 1838. Handb. Ent.,
2:426.

Nirmus brachyoti Denny, 1852. List. Brit. Animals in
Brit. Mus., pt. II, Anoplura: 13 (nn for D. cursor
Burmeister, 1838).

Nirmus stridulae Denny, 1852. List. Brit. Animals in
Brit. Mus., pt. II, Anoplura: 13 (nn for D. cursor
Burmeister, 1838).

Docophorus nudipes Piaget, 1880. Les Pediculines: 26,
pl. 1, fig. 6.

Aegolius funereus (Linnaeus)--Boreal Owl

Strigiphilus pallidus (Giebel, 1874)

Docophorus pallidus Giebel, 1874. Insecta Epizoa: 78.

Docophorus clypeatus Mjöberg, 1910. Ark. Zool., 6:
113, fig. 64.

Aegolius acadicus (Gmelin)--Saw-whet Owl

Kurodaia acadicae Price and Beer, 1963

Kurodaia acadicae Price and Beer, 1963. Ann. Ent.
Soc. Amer., 56:851, fig. 26.

CAPRIMULGIFORMES

The genus Mulcticola Clay and Meinertzhagen, 1938

(Entomologist, 71:5) is found only on this order and is rarely collected. For a discussion and illustrations of several species of the genus see Emerson and Elbel, 1957 (Canad. Ent., 89:420).

Caprimulgidae

Chordeiles minor (Forster)--Common Nighthawk

Mulcticola macrocephalus (Kellogg, 1896)

Lipeurus macrocephalus Kellogg, 1896. Proc. Calif.
Acad. Sci., 6:504, pl. 68, fig. 3.

Nirmus tyrannus Osborn, 1896. Bull. U.S. Bur.
Ent. (n. s.), 5:228.

APODIFORMES

The genera Dennyus Neumann, 1906 (Bull. Soc. Zool. Fr., 20:60) and Eureum Nitzsch, 1818 (Mag. Ent. Germar, 3:301) are found only on Apodidae. For a discussion of the species, in both genera, found in North America see Emerson and Pratt, 1956 (J. Kansas Ent. Soc., 29:21).

The genera Trochiloecetes Paine and Mann, 1913 (Psyche, 20:21) and Trochiliphagus Carriker, 1960 (Proc. U.S. Nat. Mus., no. 3438, 112:331) are found only on the Hummingbirds. Very few collections have been made from North American Hummingbirds. Carriker, 1960 (Proc. U.S. Nat. Mus., no. 3438, 122:307) reviewed the species of Mallophaga found on Hummingbirds.

Apodidae

Cypseloides niger (Gmelin)--Black Swift

Dennyus spiniger Ewing, 1930

Dennyus spiniger Ewing, 1930. Proc. U.S. Nat. Mus., no. 2843, 77:9. figs. 4 and 7d.

Eureum spenceri Emerson and Pratt, 1956

Eureum spenceri Emerson and Pratt, 1956. J. Kansas Ent. Soc., 29:25, figs. 10 and 10a.

Chaetura pelagica (Linnaeus)--Chimney Swift

Dennyus dubius (Kellogg, 1896)

Nitzschia dubius Kellogg, 1896. Proc. Calif. Acad. Sci., 6:540, pl. 73, fig. 6.

Eureum ewingi Eichler, 1942

"Eureum cimicoides Nitzsch" Ewing, 1930 (nec Burmeister, 1838). Proc. U.S. Nat. Mus., no. 2843, 77:10, figs. 5 and 7e.

Eureum ewingi Eichler, 1942. Zool. Anz., 138:179

(nn for "Eureum cimicoides Nitzsch" Ewing, 1930).

Chaetura vauxi (Townsend)--Vaux's Swift

Dennys vauxi Emerson and Pratt, 1956

Dennys vauxi Emerson and Pratt, 1956. J. Kansas Ent. Soc., 29:23, figs. 3-5.

Apus pacificus (Latham)--White-rumped Swift

Dennys clayae Nakagawa, 1959

Dennys clayae Nakagawa, 1959. Jap. J. Sanitary Zool., 10:164, figs. 1-4.

Eureum hasegawai Nakagawa, 1959

Eureum hasegawai Nakagawa, 1959. Jap. J. Sanitary Zool., 10:166, figs. 7-11.

Apus apus (Linnaeus)--Common Swift

Dennys hirundinis (Linnaeus, 1761)

Pediculus hirundinis Linnaeus, 1761. Fauna Suecica, ed. 2:479.

Nirmus truncatus Olfers, 1816. De Veget.....: 91.

Nitzschia burmeisteri Denny, 1842. Mon. Anopl. Brit.: 202 and 231, pl. 22, fig. 5.

Menopon pulicare Denny, 1842 (nn for N. burmeisteri Denny, 1842). Mon. Anopl. Brit.: 231.

Nitzschia tibialis Piaget, 1880. Les Pediculines: 576, pl. 48, fig. 5.

Eureum cimicoides Burmeister, 1838

Eureum cimicoides Burmeister, 1838. Handb. Ent., 2:441.

Aëronautes saxatalis (Woodhouse)--White-throated Swift

Dennys bruneri (Carriker, 1903)

Nitzschia pulicaris tibialis Carriker, 1902 (nec Piaget, 1880). J. N. Y. Ent. Soc., 10:225, pl. 22, figs. 4-5.

Nitzschia bruneri Carriker, 1903. Univ. Stud. Nebr., 3:177 (nn for N. tibialis Carriker, 1902).

Trochilidae

Archilochus colubris (Linnaeus)--Ruby-throated Hummingbird

Trochiloecetes lineatus (Osborn, 1896)

Physostomum lineatum Osborn, 1896. Bull. U.S.

Bur. Ent. (n. s.), 5:248.

Calypte costae (Bourcier)--Costa's Hummingbird

Trochiloecetes prominens (Kellogg and Chapman, 1899)

Physostomum prominens Kellogg and Chapman, 1899.

Occ. Pap. Calif. Acad. Sci., 6:137, pl. 9, fig. 5.

Selasphorus rufus (Gmelin)--Rufous Hummingbird

Trochiliphagus ochoterenai (Zavaleta, 1943)

Trochiloecetes ochoterenai Zavaleta, 1943. Tesis Univ.

Mexico Fac. Cien. Dep. Biol.: 54, pl. 5, fig. 6.

TROGONIFORMES

The genus Trogoninirmus Eichler, 1944 (Stettin. Ent. Ztg. 105:82) is found only on this order.

Other genera, normally found on Passeriformes, have been recorded from this family; but none from North America or from the Coppery-tailed Trogon.

Trogonidae

Trogon elegans Gould--Coppery-tailed Trogon

Trogoninirmus elegans Emerson, 1952

Trogoninirmus elegans Emerson, 1952. J. Kansas Ent. Soc., 25:118.

CORACIIFORMES

The genus Quadriceps Clay and Meintertzhagen, 1939 (Ann. Mag. Nat. Hist., (11), 4:453) is also found on North American Kingfishers. The genera found on Old World Kingfishers have not been recorded from North America.

Alcedinidae

Mergaceryle alcyon (Linnaeus)--Belted Kingfisher

Quadriceps alcyonae (Carriker, 1959)

Alcedoffula alcyonae Carriker, 1959. Novedades Colombianas, 1,(4): 204, figs. 6-7.

Chloroceryle americana (Gmelin)--Green Kingfisher

Quadriceps columbianus (Carriker, 1959)

Alcedoffula columbiana Carriker, 1959. Novedades Colombianas, 1, (4): 205, figs. 1-2.

PICIFORMES

The genus Brueelia Keler, 1936 (Arb. morph. -tax. Ent. Berlin-Dahlem, 3:257) is found on this order and Passeriformes.

The genus Menacanthus Neumann, 1912 (Arch. Parasit., 15:353) is found on several orders.

The genus Penenirmus Clay and Meinertzhagen, 1938 (Entomologist, 71:73) is found on this order and Passeriformes.

The genus Picicola Clay and Meinertzhagen, 1938 (Entomologist, 71:2) is found on this order and Passeriformes.
For a discussion of the species found on Piciformes, see Dalglish, 1969 (Proc. R. Ent. Soc. London (B), 38:101).

Picidae

Jynx torquilla Linnaeus--Wryneck

Penenirmus serrilimbus (Burmeister, 1838)

Docophorus serrilimbus Burmeister, 1838. Handb. Ent., 2:427.

Colaptes auratus (Linnaeus)--Yellow-shafted Flicker

Brueelia straminea (Denny, 1842)

Nirmus stramineus Denny, 1842. Mon. Anopl. Brit.: 53, 139, pl. 8, fig. 9.

Degeeriella sublucida Blagoveshtchensky, 1940. Mag. Parasit. Leningr., 8:58, 85, fig. 15.

Brueelia fixa Zlotorzycska, 1964. Acta Parasit. Polon., 12:256, figs. 4e-f.

Type host: Dendrocopos major (Linnaeus).

- Menacanthus colaptis (Durrant, 1908)
Menopon colaptis Durrant, 1908. Ohio Nat., 8:355,
fig. 1h.
- Penenirmus jungens (Kellogg, 1896)
Docophorus jungens Kellogg, 1896. Proc. Calif.
Acad. Sci., 6:481, pl. 66, fig. 4.
Penenirmus villosus Emerson and Johnson, 1961.
J. Kansas Ent. Soc., 34:41, figs. 13, 15 and 32.
- Picicola porisma Dalglish, 1969
Picicola porisma porisma Dalglish, 1969. Proc. R.
Ent. Soc. London, (B), 38:108, fig. 19.
- Colaptes cafer (Gmelin)--Red-shafted Flicker
Brueelia straminea (Denny, 1842)
(Type host: Dendrocopos major (Linnaeus)).
- Penenirmus jungens (Kellogg, 1896)
(Type host: Colaptes auratus (Linnaeus)).
- Picicola porisma Dalglish, 1969
(Type host: Colaptes auratus (Linnaeus)).
- Colaptes chrysoides (Malherbe)--Gilded Flicker
Penenirmus jungens (Kellogg, 1896)
(Type host: Colaptes auratus (Linnaeus)).
- Picicola porisma Dalglish, 1969
(Type host: Colaptes auratus (Linnaeus)).
- Dryocopus pileatus (Linnaeus)--Pileated Woodpecker
Penenirmus auritus (Scopoli, 1763)
Pediculus auritus Scopoli, 1763. Ent. Carniolica: 383.
Docophorus superciliosus Burmeister, 1838. Handb.
Ent., 2:427.
Docophorus evagens Kellogg, 1896. Proc. Calif. Acad.
Sci., 6:480, pl. 66, fig. 2.
Docophorus californiensis Kellogg, 1896. Proc.
Calif. Acad. Sci., 6:483, pl. 66, fig. 6.
Penenirmus varius Emerson, 1953. J. Kansas Ent.
Soc., 26:134, pl. 2, figs. 6 and 8.

Penenirmus fiebrigi Eichler, 1953. Zool. Anz., 150:
240, figs. 2, 7, and 11.

Penenirmus peusi Eichler, 1953. Zool. Anz., 150:242,
figs. 4, 9, 13, and 18. (?)

Penenirmus auritus aurifrons Carriker, 1956. Florida
Ent., 39:37, figs. 34-35.

Penenirmus serrilimbus pileatus Emerson and Johnson,
1961. J. Kansas Ent. Soc., 34:40, figs. 11, 18 and 30.

Penenirmus serrilimbus asyndesmus Emerson and
Johnson, 1961. J. Kansas Ent. Soc., 34:40, figs.
12, 21 and 31.

Picophilopterus pici rivollii Carriker, 1963. Mem.
Soc. Cien. Natur. La Salle, 23:35, pl. 9, figs. 1
and 3. (?)

Picophilopterus pici caurensis Carriker, 1963. Mem.
Soc. Cien. Natur. La Salle, 23:35, pl. 9, fig. 2. (?)
(Type host: Dendrocopos major (Linnaeus)).

Picicola marginatulus (Harrison, 1961)

Nirmus marginatus Osborn, 1896 (nec Burmeister, 1838).
Bull. U.S. Bur. Ent. (n.s.), 5:228, pl. 2, fig. b.

Degeeriella marginatula Harrison, 1916. Parasitology,
9:117 (nn for N. marginatus Osborn, 1896).

Centurus carolinus (Linnaeus)--Red-bellied Woodpecker

Brueelia straminea (Denny, 1842)

(Type host: Dendrocopos major (Linnaeus)).

Penenirmus auritus (Scopoli, 1763)

(Type host: Dendrocopos major (Linnaeus)).

Picicola snodgrassi (Kellogg, 1896)

(Type host: Melanerpes formicivorus (Swainson)).

Centurus aurifrons (Wagler)--Golden-fronted Woodpecker

Menacanthus hoffmanni Carriker, 1967

Menacanthus hoffmanni Carriker, 1967. Bull. U.S.
Nat. Mus., 28:20, figs. 1:11, a and b.

Penenirmus auritus (Scopoli, 1763)

(Type host: Dendrocopos major (Linnaeus)).

Picicola snodgrassi (Kellogg, 1896)

(Type host: Melanerpes formicivorus (Swainson)).

- Centurus uropygialis Baird--Gila Woodpecker
Menacanthus praecursor (Kellogg, 1899)
Menopon praecursor Kellogg, 1899. Occ. Pap. Calif.
Acad. Sci., 6:46, pl. 4, fig. 8.
- Penenirmus auritus (Scopoli, 1763)
(Type host: Dendrocopos major (Linnaeus).)
- Melanerpes erythrocephalus (Linnaeus)--Red-headed Woodpecker
Brueelia straminea (Denny, 1842)
(Type host: Dendrocopos major (Linnaeus).)
- Penenirmus auritus (Scopoli, 1763)
(Type host: Dendrocopos major (Linnaeus).)
- Picicola snodgrassi (Kellogg, 1896)
(Type host: Melanerpes formicivorus (Swainson).)
- Melanerpes formicivorus (Swainson)--Acorn Woodpecker
Brueelia straminea (Denny, 1842)
(Type host: Dendrocopos major Linnaeus).
- Menacanthus quercus Carriker, 1967
Menacanthus quercus Carriker, 1967. Bull. U.S.N.M.,
28:20, figs. 1:11, c and d.
- Penenirmus auritus (Scopoli, 1763)
(Type host: Dendrocopos major (Linnaeus).)
- Picicola snodgrassi (Kellogg, 1896)
Lipeurus snodgrassi Kellogg, 1896. Proc. Calif.
Acad. Sci., 6:502, pl. 88, fig. 2.
Lipeurus mississippiensis McGregor, 1917. Psyche,
24:107, pl. 1, figs. 1 and 5.
Picicola praeposterus Clay and Meinertzhagen, 1938.
Entomologist, 71:74, figs. 1 and 2.
Picicola praeposterus americana Carriker, 1956.
Florida Ent., 39:71, figs. 45-46.
- Asyndesmus lewis (Gray)--Lewis' Woodpecker
Brueelia straminea (Denny, 1842)
(Type host: Dendrocopos major (Linnaeus).)

Penenirmus auritus (Scopoli, 1763)
(Type host: Dendrocops major (Linnaeus).

Picicola snodgrassi (Kellogg, 1896)
(Type host: Melanerpes formicivorus (Swainson).

Sphyrapicus varius (Linnaeus)--Yellow-bellied Sapsucker
Brueelia straminea (Denny, 1842)
(Type host: Dendrocops major (Linnaeus).

Penenirmus auritus (Scopoli, 1763)
(Type host: Dendrocops major (Linnaeus).

Sphyrapicus thyroideus (Cassin)--Williamson's Sapsucker
Brueelia straminea (Denny, 1842)
(Type host: Dendrocops major (Linnaeus).

Penenirmus auritus (Scopoli, 1763)
(Type host: Dendrocops major (Linnaeus).

Dendrocops villosus (Linnaeus)--Hairy Woodpecker
Brueelia straminea (Denny, 1842)
(Type host: Dendrocops major (Linnaeus).

Menacanthus bruneri Carriker, 1967
Menacanthus bruneri Carriker, 1967. Bull. U.S. Nat.
Mus., 28:20, fig. 1:10a.

Penenirmus auritus (Scopoli, 1763)
(Type host: Dendrocops major (Linnaeus).

Picicola snodgrassi (Kellogg, 1896)
(Type host: Melanerpes formicivorus (Swainson).

Dendrocops pubescens (Linnaeus)--Downy Woodpecker
Brueelia straminea (Denny, 1842)
(Type host: Dendrocops major (Linnaeus).

Penenirmus auritus (Scopoli, 1763)
(Type host: Dendrocops major (Linnaeus).

Picicola snodgrassi (Kellogg, 1896)
(Type host: Melanerpes formicivorus (Swainson).

Dendrocopos scalaris (Wagler)--Ladder-backed Woodpecker
Brueelia straminea (Denny, 1842)
(Type host: Dendrocopos major (Linnaeus).

Penenirmus auritus (Scopoli, 1763)
(Type host: Dendrocopos major (Linnaeus).

Picicola snodgrassi (Kellogg, 1896)
(Type host: Melanerpes formicivorus (Swainson).

Dendrocopos nuttallii (Gambel)--Nuttall's Woodpecker
Picicola snodgrassi (Kellogg, 1896)
(Type host: Melanerpes formicivorus (Swainson).

Dendrocopos arizonae (Hargitt)--Arizona Woodpecker
Penenirmus auritus (Scopoli, 1763)
(Type host: Dendrocopos major (Linnaeus).

Picicola snodgrassi (Kellogg, 1896)
(Type host: Melanerpes formicivorus (Swainson).

Dendrocopos borealis (Vieillot)--Red-cockaded Woodpecker
Brueelia straminea (Denny, 1842)
(Type host: Dendrocopos major (Linnaeus).

Picicola snodgrassi (Kellogg, 1896)
(Type host: Melanerpes formicivorus (Swainson).

Dendrocopos albolarvatus (Cassin)--White-headed Woodpecker
Picicola snodgrassi (Kellogg, 1896)
(Type host: Melanerpes formicivorus (Swainson).

Picolides arcticus (Swainson)--Black-backed Three-toed Woodpecker.
Menacanthus picicola (Packard, 1873)*
Menopon picicola Packard, 1873. Rept. U.S. Geol. Surv.
1872: 731, fig. 58.

Penenirmus arcticus Carriker, 1958
Penenirmus arcticus Carriker, 1958. Proc. Ent.
Soc. Wash., 60:168, figs. 1-2.

* The type host has not been designated.

¹¹
Picoides tridactylus (Linnaeus)--Northern Three-toed Woodpecker
Menacanthus picicola (Packard, 1873) *
Menopon picicola Packard, 1873. Rept. U.S. Geol.
Surv., 1872: 731, fig. 58.

Penenirmus arcticus Carriker, 1958
(Type host: Picoides¹¹ arcticus (Swainson)).

* The type host has not been designated.

PASSERIFORMES

Very few comprehensive studies of the Mallophaga found on Passeriformes have been done, consequently many changes in nomenclature and new records are to be expected in the future.

The genus Brueelia Keler, 1936 (Arb. morph. -tax. Ent. Berlin-Dahlem, 3:257) is found on Piciformes and Passeriformes. See Ansari, 1956 and 1957 (Bull. Brit. Mus. (N.H.), Ent. 4:371 and 5:145) for an excellent revision of the species found on Corvidae.

The genus Colpocepham Nitzsch, 1818 (Mag. Ent. Germar, 3:298) is found on several orders, but appears to be limited to Corvidae in Passeriformes. See Price and Beer, 1965 (Proc. Ent. Soc. Wash., 67:7) for a revision of the species found on Corvidae.

The genus Machaerilaemus Harrison, 1915 (Parasitology, 7:389) is found on several families in Passeriformes. For a limited review of the genus, see Emerson, 1947 (Canad. Ent., 79:209).

The genus Menacanthus Neumann, 1912 (Arch. Parasit., 15:353) is found on Galliformes, Piciformes, and Passeriformes in North America.

The genus Myrsidea Waterston, 1915 (Ent. Mon. Mag., 51:12) is found only on Passeriformes in North America.

The genus Penenirmus Clay and Meinertzhagen, 1938
(Entomologist, 71:73) is found on Piciformes and Passeriformes.

The genus Philopterus Nitzsch, 1818 (Mag. Ent. Germar,
3:281) is found on Passeriformes and probably Trogoniformes in
North America.

The genus Picicola Clay and Meinertzhagen, 1938
(Entomologist, 71:2) is found on Piciformes and Passeriformes in
North America.

The genus Ricinus deGeer, 1778 (Mem. Hist. Ins., 7:69)
is found on Passeriformes, except Corvidae and Hirundinidae, in
North America. For excellent reviews of the genus, see Rheinwald,
1968 (Mitt. Hamburg. Zool. Mus. Inst., 68:181) and Nelson, 1972
(Univ. Calif. Pub. Ent., 68:1).

The genus Sturnidoecus Eichler, 1944 (Stettin. Ent. Ztg.,
105:81) has been found on several North American hosts. Its
distribution on Passeriformes is not well known.

Cotingidae

Platypsaris aglaiae (Lafresnaye)--Rose-throated Becard

Ricinus marginatus (Children, 1836)

(Type host: Empidonax trailli (Audubon).)

Tyrannidae

Tyrannus tyrannus (Linnaeus)--Eastern Kingbird

Ricinus arcuatus (Kellogg and Mann, 1912)

(Type host: Tyrannus vociferans Swainson).

Ricinus marginatus (Children, 1836)

(Type host: Empidonax trailli (Audubon).

Tyrannus dominicensis (Gmelin)--Gray Kingbird

Ricinus arcuatus (Kellogg and Mann, 1912)

(Type host: Tyrannus vociferans Swainson).

Ricinus marginatus (Children, 1836)

(Type host: Empidonax trailli (Audubon).

Tyrannus melancholicus Vieillot--Tropical Kingbird

Ricinus arcuatus (Kellogg and Mann, 1912)

(Type host: Tyrannus vociferans Swainson).

Ricinus marginatus (Children, 1836)

(Type host: Empidonax trailli (Audubon).

Tyrannus verticalis Say--Western Kingbird

Ricinus arcuatus (Kellogg and Mann, 1912)

(Type host: Tyrannus vociferans Swainson).

Tyrannus vociferans Swainson--Cassin's Kingbird

Ricinus arcuatus (Kellogg and Mann, 1912)

Physostomum fasciatum arcuatum Kellogg and Mann, 1912. Ent. News, 23:65.

Ricinus pronotus pronotus Carriker, 1964. Mem. Soc. Cienc. Nat. La Salle, 24:52, figs. 5 and B-10.

Ricinus pronotus rufus Carriker, 1964. Mem. Soc. Cienc. Nat. La Salle, 24:53 and fig. 5a.

Ricinus pronotus niger Carriker, 1964. Mem. Soc. Cienc. Nat. La Salle, 24:53, fig. 5b.

Ricinus tristis Carriker, 1964. Mem. Soc. Cienc. Nat. La Salle, 24:57, figs. 11 and B-8.

Ricinus polychropterus Carriker, 1964. Me. Soc. Cienc. Nat. La Salle, 24:57, figs. 12 and B-11.

Ricinus marginatus (Children, 1836)
(Type host: Empidonax trailli (Audubon).

Muscivora tyrannus (Linnaeus)--Fork-tailed Flycatcher
Ricinus arcuatus (Kellogg and Mann, 1912)
(Type host: Tyrannus vociferans Swainson).

Muscivora forficata (Gmelin)--Scissor-tailed Flycatcher
Ricinus arcuatus (Kellogg and Mann, 1912)
(Type host: Tyrannus vociferans Swainson).

Ricinus marginatus (Children, 1836)
(Type host: Empidonax trailli (Audubon).

Pitangus sulphuratus (Linnaeus)--Kiskadee Flycatcher
Ricinus arcuatus (Kellogg and Mann, 1912)
(Type host: Tyrannus vociferans Swainson).

Myiarchus crinitus (Linnaeus)--Great Crested Flycatcher
Ricinus marginatus (Children, 1836)
(Type host: Empidonax trailli (Audubon).

Ricinus myiarchi Nelson, 1972
Ricinus myiarchi Nelson, 1972. Univ. Calif. Pub.
Ent., 68:52, pl. 6, figs. 1-4.

Myiarchus tyrannulus (Müller)--Wied's Crested Flycatcher
Ricinus marginatus (Children, 1836)
(Type host: Empidonax trailli (Audubon).

Myiarchus cinerascens (Lawrence)--Ash-throated Flycatcher
Menacanthus distinctus (Kellogg and Chapman, 1899)
Menopon distinctum Kellogg and Chapman, 1899. Occ.
Pap. Calif. Acad. Sci., 6:126, pl. 8, fig. 7.

Philopterus rufus (Kellogg, 1899)
Docophorus rufus Kellogg, 1899. Occ. Pap. Calif.
Acad. Sci., 6:7, pl. 1, figs. 6 and 9.

Ricinus leptosomus (Carriker, 1903)
Physostomum leptosomum Carriker, 1903. Univ.
Stud. Nebr., 3:166, pl. 5, fig. 2.
(Type host: Myiozetetes similis (Spix).

Myiarchus tuberculifer (Lafresnaye and D'Orbigny)--Olivaceous Flycatcher

Ricinus leptosomus (Carriker, 1903)

(Type host: Myiozetetes similis (Spix).

Ricinus marginatus (Children, 1836)

(Type host: Empidonax trailli (Audubon).

Sayornis phoebe (Latham)--Eastern Phoebe

Ricinus marginatus (Children, 1836)

(Type host: Empidonax trailli (Audubon).

Sayornis saya (Bonaparte)--Say's Phoebe

Ricinus sucinaceus (Kellogg, 1896)

(Type host: Empidonax difficilis Baird).

Empidonax trailli (Audubon)--Traill's Flycatcher

Ricinus marginatus (Children, 1836)

Physostomum marginatum Children, 1836. Proc.

Calif. Acad. Sci., 6:515, pl. 70, fig. 5.

Physostomum angulatum Kellogg, 1896. Proc. Calif.

Acad. Sci., 6:515, pl. 70, fig. 5.

Ricinus rubinus Carriker, 1964. Mem. Soc. Cienc.

Nat. La Salle, 24:49, figs. 3 and B-4.

Ricinus tuberculifer Carriker, 1964. Mem. Soc.

Cienc. Nat. La Salle, 24:50, fig. 3a.

Ricinus similis Carriker, 1964 (*nec* Giebel, 1874).

Mem. Soc. Cienc. Nat. La Salle, 24:56, figs. 9 and B-5.

Ricinus sucinaceus (Kellogg, 1896)

(Type host: Empidonax difficilis (Baird).

Empidonax minimus (Baird and Baird)--Least Flycatcher

Ricinus marginatus (Children, 1836)

(Type host: Empidonax trailli (Audubon).

Empidonax wrightii Baird--Gray Flycatcher

Ricinus marginatus (Children, 1836)

(Type host: Empidonax trailli (Audubon).

Empidonax difficilis Baird--Western Flycatcher

Brutelia ductilis (Kellogg and Chapman, 1899)

Nirnius ductilis Kellogg and Chapman, 1899. Occ.
Pap. Calif. Acad. Sci., 6:89, pl. 6, fig. 8.

Ricinus marginatus (Children, 1836)

(Type host: Empidonax trailli (Audubon)).

Ricinus sucinaceus (Kellogg, 1896)

Physostomum sucinaceum Kellogg, 1896. Proc.
Calif. Acad. Sci., 6:514, pl. 70, fig. 2.

Ricinus subtenius Carriker, 1964. Mem. Soc.

Cienc. Nat. La Salle, 24:61, figs. 18, 19 and B-6.

Contopus virens Linnaeus--Eastern Wood Pewee

Philopterus fuscoventralis (Osborn, 1896)

Docophorus fusco-ventralis Osborn, 1896. Bull.
U.S. Bur. Ent. (n.s.), 5:221.

Ricinus marginatus (Children, 1836)

(Type host: Empidonax trailli (Audubon)).

Contopus sordidulus Sclater--Western Wood Pewee

Ricinus marginatus (Children, 1836)

(Type host: Empidonax trailli (Audubon)).

Pyrocephalus rubinus (Boddaert)--Vermilion Flycatcher

Ricinus marginatus (Children, 1836)

(Type host: Empidonax trailli (Audubon)).

Alaudidae

Alauda arvensis Linnaeus--Skylark

Brueelia parviguttata (Blagoveshtchensky, 1940)

Degeeriella parviguttata Blagoveshtchensky, 1940.
Mag. Parasit., Leningr., 8:62 and 86, fig. 17.

Menacanthus alaudae (Schrank, 1776)

Pediculus alaudae Schrank, 1776. Beitr. Naturgesch.:
115, pl. 5, figs. 5 and 6.

Penenirmus hibari (Uchida, 1949)

Phelopterus hibari Uchida, 1949. Jap. Med. J., 1:547,
fig. 15.

Penenirmus parlovskyi impunctus Blagoveshtchensky,
1951. Mag. Parasit., Leningr., 13:298.

Ricinus serratus (Durrant, 1906)

(Type host: Eremophila alpestris (Linnaeus)).

Eremophila alpestris (Linnaeus)--Horned Lark

Menacanthus perforatus (Piaget, 1880)

Menopon perforatum Piaget, 1880. Les Pediculines:
453, pl. 42, fig. 9.

Ricinus serratus (Durrant, 1906)

Physostomum serratum Durrant, 1906. Ohio Nat.,
6:528, fig. 1b.

Physostomum clypeatum Mjöberg, 1910. Ark. Zool.,
6:60, figs. 35-36, and pl. 2, fig. 1.

Ricinus serratus magnus Uchida, 1926. J. Coll.
Agri., Tokyo, 9:52.

Hirundinidae

Riparia riparia (Linnaeus)--Bank Swallow

Brueelia tenuis (Burmeister, 1838)

Nirmus tenuis Burmeister, 1838. Handb. Ent., 2:429.

Myrsidea latifrons (Carriker, 1910)

Nitzschia latifrons Carriker, 1910. In Carriker and
Shull, Ent. News, 21:56, pl. 5, fig. 4.

Nitzschia piageti Kistiakowsky, 1926 (nec Harrison,
1916). Zool. Anz., 68:11, fig. 2.

Stelgidopteryx ruficollis (Vieillot)--Rough-winged Swallow

Myrsidea palloris (Carriker, 1903)

Menopon palloris Carriker, 1903. Univ. Stud. Nebr.,
3:189, pl. 8, fig. 3.

Philopterus excisus tropicalis Carriker, 1956
Philopterus tropicalis Carriker, 1956. Florida
Ent., 39:19, figs. 1-4.

Delichon urbica (Linnaeus)--House Martin

Brueelia gracilis (Burmeister, 1838)

Nirmus gracilis Burmeister, 1838. Handb. Ent.,
2:429.

Nirmus elongatus Denny, 1842 (nec Olfers, 1816). Mon.
Anopl. Brit.: 53 and 140, pl. 7, fig. 4.

Philopterus excisus excisus Nitzsch, 1818

Pediculus hirundinis Schrank, 1803 (nec Linnaeus,
1761). Fauna Boica: 193.

Philopterus excisus Nitzsch, 1818. Mag. Ent.

Germa., 3:290, (nn for P. hirundinis Schrank, 1803,
nec Linnaeus, 1761).

Hirundo rustica Linnaeus--Barn Swallow

Brueelia domestica (Kellogg and Chapman, 1899)

Nirmus longus domesticus Kellogg and Chapman,
1899. Occ. Pap. Calif. Acad. Sci., 6:93.

Machaerilaemus malleus (Burmeister, 1838)

Eureum malleus Burmeister, 1838. Handb. Ent.,
3:441.

Myrsidea rustica (Giebel, 1874)

Menopon rusticum Giebel, 1874. Insecta Epizoa: 288.

Nitzschia femoralis Kistiakowsky, 1926. Zool. Anz.,
68:10, fig. 1.

Philopterus excisus microsomaticus Tandan, 1955

Docophorus hirundinis Piaget, 1871 (nec Schrank, 1803).
Tijdschr. Ent., 14:134, pl. 7, fig. 13.

Philopterus excisus microsomaticus Tandan, 1955. Ann.

Mag. Nat. Hist., (12), 8:421, figs. 8-12 (nn for D.
hirundinis Piaget, 1871).

Petrochelidon pyrrhonota (Vieillot)--Cliff Swallow

Brueelia longa (Kellogg, 1896)

Nirmus longus Kellogg, 1896. Proc. Calif. Acad.
Sci., 6:490, pl. 67, fig. 1.

Machaerilaemus malleus (Burmeister, 1838)
(Type host: Hirundo rustica Linnaeus).

Philoaterus excisus major (Kellogg, 1896)
Docophorus excisus major Kellogg, 1896. Proc.
Calif. Acad. Sci., 6:490.

Progne subis (Linnaeus)--Purple Martin
Brueelia subis (Carriker, 1963)
Hirundiniella subis Carriker, 1963. Rev. Brasil.
Biol., 23:315, fig. 32.

Machaerilaemus americanus (Ewing, 1930)
Hirundoecus americanus Ewing, 1930. Proc. U.S.
Nat. Mus., 77, art. 20:13, figs. 6 and 7f.

Myrsidea dissimilis (Kellogg, 1896)
Menopon dissimile Kellogg, 1896. Proc. Calif. Acad.
Sci., 6:536, pl. 73, fig. 5.

Philoaterus excisus domesticus (Kellogg, 1896)
Docophorus domesticus Kellogg, 1896. Proc. Calif.
Acad. Sci., 6:475, pl. 65, fig. 4.

Corvidae

Cyanocitta cristata (Linnaeus)--Blue Jay
Brueelia clayae Ansari, 1956
Brueelia clayae Ansari, 1956. Bull. Brit. Mus. (N.H.)
Ent., 4:375, figs. 7-13.

Philoaterus cristatus Malcomson, 1929
Philoaterus cristata Malcomson, 1929. Ann. Ent.
Soc. Amer., 22:729, fig. 2.

Cyanocitta stelleri (Gmelin)--Steller's Jay
Brueelia deficiens (Piaget, 1885)
Nirmus deficiens Piaget, 1885. Les Pediculines,
Supplement: 23, pl. 3, fig. 3.
Nirmus ampullatus Piaget, 1885. Les Pediculines,
Supplement: 25, pl. 3, fig. 4.
(Type host: Cyanopica cyanus (Pallas)).

Aphelocoma coerulescens (Bosc)--Scrub Jay

Brueelia deficiens (Piaget, 1885)

(Type host: Cyanopica cyanus (Pallas).

Menacanthus persignatus (Kellogg and Chapman, 1899)

Menopon persignatum Kellogg and Chapman, 1899.

Occ. Pap. Calif. Acad. Sci., 6:128, pl. 9, fig. 1.

Cyanocorax yncas (Boddaert)--Green Jay

Brueelia hopkinsi Ansari, 1956

Brueelia hopkinsi Ansari, 1956. Bull. Brit. Mus.

(N.H.) Ent., 4:379, figs. 21-27.

Pica pica (Linnaeus)--Black-billed Magpie

Brueelia biocellata (Piaget, 1880)

Nirmus biocellatus Piaget, 1880. Les Pediculines:
666, pl. 55, fig. 2.

Nirmus biocellatus nigropictus Carriker, 1902. J.

N. Y. Ent. Soc., 10:219, pl. 21, fig. 1.

Menacanthus eurysternus (Burmeister, 1838)

Menopon eurysternum Burmeister, 1838. Handb.

Ent., 2:439.

Menopon picae Piaget, 1880. Les Pediculines: 433,

pl. 34, fig. 2.

Myrsidea picae (Linnaeus, 1758)

Pediculus picae Linnaeus, 1758. Syst. Natr., ed.
10:612.

Colpocephalum eurysternum Denny, 1842. Mon. Anopl.

Brit.: 199 and 213, pl. 18, fig. 6.

Philopterus picae (Denny, 1842)

Docophorus picae Denny, 1842. Mon. Anopl. Brit.:

41 and 67, pl. 1, fig. 9.

Docophorus subcrassipes Nitzsch, 1866. In Giebel,

Z. ges. NatWiss., 27:116.

Docophorus singularis Kellogg and Chapman, 1899.

Occ. Pap. Calif. Acad. Sci., 6:61, pl. 5, fig. 5.

Pica nuttalli (Audubon)--Yellow-billed Magpie

The Mallophaga from this host apparently cannot be separated
from those found on Pica pica (Linnaeus).

Corvus corax Linnaeus--Common Raven

Brueelia argula (Burmeister, 1838)

Nirmus argulus Burmeister, 1838. Handb. Ent. 2:430.

Colpocephalum fregili Denny, 1842

Colpocephalum subaequale Burmeister, 1838 (nec
deHaan, 1829). Handb. Ent., 2:438.

Colpocephalum fregili Denny, 1842. Mon. Anopl.
Brit.: 198 and 208, pl. 20, fig. 4.

Colpocephalum semicinatum Rudow, 1866. Z. ges.
NatWiss., 27:475.

Colpocephalum trimaculatum Piaget, 1880. Les
Pediculines: 525, pl. 43, fig. 8.

Colpocephalum elongatum Piaget, 1880. Les
Pediculines: 529, pl. 44, fig. 2.

Colpocephalum ellipticum Piaget, 1880. Les
Pediculines: 570, pl. 48, fig. 1.

Colpocephalum splendens Ansari, 1955. Proc. VII
Pakistan Sci. Conf., Sec. Biol.: 51.

Colpocephalum laurencei Ansari, 1955. Proc. VII
Pakistan Sci. Conf., Sec. Biol.: 51 (nn for C.
subaequale Burmeister, 1838).

Colpocephalum bengalensis Ansari, 1955. Proc. VII
Pakistan Sci. Conf., Sec. Biol.: 58.

Allocephalum frugilegi Zlotorzyczka, 1964. Acta
Parasit. Polonica, 12:186, fig. 9a and photograph 13
(nn for Colpocephalum subaequale Burmeister, 1838).

Lanicephalum laniidorum Zlotorzyczka, 1964. Acta
Parasit. Polonica, 12:188, fig. 9b and photograph 14.
(Type host: Pyrhocorax pyrrhocorax (Linnaeus)).

Menacanthus gonophaeus (Burmeister, 1838)

Menopon gonophaeus Burmeister, 1838. Handb. Ent.,
2:440.

Myrsidea anaspila (Nitzsch, 1866)

Menopon anaspilum Nitzsch, 1866. In Giebel, Z. ges.
NatWiss., 27:119.

Philopterus corvi (Linnaeus, 1758)

Pediculus corvi Linnaeus, 1758. Syst. Natr., ed. 10:612.

Nirmus adustus Olfers, 1816. De Veget.....: 88.

Docophorus semisignatus Denny, 1842. Mon. Anopl.
Brit.: 41 and 66, pl. 1, fig. 5.

- Nirmus coracis Denny, 1852. List Brit. Animals in
Brit. Mus., pt. II, Anoplura; 7 (nn for D.
semisignatus Denny, 1842).
Docophorus distinctus Kellogg, 1896. Proc. Calif.
Acad. Sci., 6:477, pl. 65, fig. 5.

Corvus cryptoleucus Couch--White-necked Raven

Brueelia afzali Ansari, 1957

- Brueelia afzali Ansari, 1957. Bull. Brit. Mus. (N.H.)
Ent., 5:154, figs. 14, 36-37, and 83-87.

Brueelia cryptoleucus Ansari, 1957

- Brueelia cryptoleucus Ansari, 1957. Bull. Brit. Mus.
(N.H.) Ent., 5:164, figs. 19, 45-47, and 105-108.

Corvus brachyrhynchos Brehm--Common Crow

Brueelia rotundata (Osborn, 1896)

- Nirmus rotundatus Osborn, 1896. Bull. U.S. Bur.
Ent. (n. s.), 5:226.

Myrsidea interrupta (Osborn, 1896)

- Menopon interruptum Osborn, 1896. Bull. U.S. Bur.
Ent. (n. s.), 5:245, pl. 2, fig. h.

- Menopon mesoleucum americanum Kellogg, 1896.
Proc. Calif. Acad. Sci., 6:539, pl. 73, fig. 3.

Philopterus ocellatus osborni Edwards, 1952

- Lipeurus corvi Packard, 1870 (nec Linnaeus, 1758).
Amer. Nat., 4:95, pl. 1, fig. 2.

- Docophorus corvi Osborn, 1896 (nec Linnaeus, 1758).
Bull. U.S. Bur. Ent. (n. s.), 5:220, fig. 142.

- Philopterus osborni Edwards, 1952. Psyche, 59:27
(nn for D. corvi Osborn, 1896).

Corvus ossifragus Wilson--Fish Crow

Colpocephalum fregili Denny, 1842

- (Type host: Pyrrhocorax pyrrhocorax (Linnaeus).

Corvus frugilegus Linnaeus--Rook

Brueelia tasniemae Ansari, 1957

- Brueelia tasniemae Ansari, 1957. Bull. Brit. Mus.
(N.H.), Ent., 5:152, figs. 12, 32, 33, and 74-78.

Colpocephalum fregili Denny, 1842

(Type host: Pyrrhocorax pyrrhocorax (Linnaeus).

Menacanthus laticeps Blagoveshtchensky, 1948

Menacanthus laticeps Blagoveshtchensky, 1948. Mag.
Parasit., Leningr., 10:264, figs. 5 and 5a.

Philopterus atratus Nitzsch, 1818

Philopterus atratus Nitzsch, 1818. Mag. Ent. Germar,
3:290.

Corvus cornix Linnaeus -- Hooded Crow

Brueelia uncinosa (Burmeister, 1838)

Nirmus uncinosus Burmeister, 1838. Handb. Ent.,
2:430.

Colpocephalum fregili Denny, 1842

(Type host: Pyrrhocorax pyrrhocorax (Linnaeus).

Myrsidea cornicis (deGeer, 1778)

Ricinus cornicis deGeer, 1778. Mem. Hist. Ins.,
7:76, pl. 4, fig. 11.

Menopon mesoleucum Nitzsch, 1818. Mag. Ent.

Germar, 3:300 (nn for R. cornicis deGeer).

Colpocephalum subaequalis deHaan, 1829. Mem. Mus.,
18:309, pl. 4, fig. 5.

Colpocephalum deperditum Giebel, 1874. Insecta
Epizoa: 281, pl. 13, fig. 9.

Menopon consimile Piaget, 1885. Les Pediculines,
Supplement: 97, pl. 10, fig. 7.

Gymnorhinus cyanocephalus (Wied) -- Pinon Jay

Philopterus phillipi Emerson, 1953

Philopterus phillipi Emerson, 1953. J. Kansas Ent.
Soc., 26:132, pl. 1, figs. 1 and 3.

Paridae

Parus atricapillus (Linnaeus) -- Black-capped Chickadee

Brueelia longifrons Carriker, 1956

Brueelia longifrons Carriker, 1956. Florida Ent.,
39:11, fig. 61.

Philopterus rutteri (Kellogg, 1899)

Docophorus rutteri Kellogg, 1899. Occ. Pap. Calif. Acad. Sci., 6:12, pl. 1, fig. 3.

Ricinus fringillae deGeer, 1778

Ricinus fringillae deGeer, 1778. Mem. Hist. Ins., 7:71, pl. 4, figs. 5-8.

Physostomum nitidissimum Nitzsch, 1818. Mag. Ent. Germar, 3:302 (nn for R. fringillae de Geer, 1778).

Physostomum irascens Nitzsch, 1818. Mag. Ent. Germar, 3:302 (nn for R. fringillae de Geer, 1778).

Physostomum diffusum pallidum Kellogg, 1896. Proc. Calif. Acad. Sci., 6:519.

Physostomum hastatum Osborn, 1902. Ohio Nat., 2:203, pl. 14, fig. 3.

Physostomum intermedium Uchida, 1915 (nec Piaget, 1880). Annot. Zool. Jap., 9:68, fig. 1.

Ricinus uchidae Fresca, 1924. Bol. Soc. Esp. Hist. Nat., 24:274, fig. 1.

Ricinus medius Uchida, 1926. J. Coll. Agri., Tokyo, 9:54 (nn for P. intermedium Uchida, 1915).

(Type host: Emberiza citrinella Linnaeus).

Auriparus flaviceps (Sunderall)--Verdin

Brueelia audax (Kellogg, 1899)

Nirmus audax Kellogg, 1899. Occ. Pap. Calif. Acad. Sci., 6:25, pl. 2, fig. 8.

Psaltriparus minimus (Towsend)--Common Bushtit

Menacanthus robustus (Kellogg, 1896)

Menopon robustum Kellogg, 1896. Proc. Calif. Acad. Sci., 6:528, pl. 72, fig. 3.

Sittidae

Sitta canadensis Linnaeus--Red-breasted Nuthatch

Ricinus sittae Nelson, 1972

Ricinus sittae Nelson, 1972. Univ. Calif. Pub. Ent., 68:98, pl. 35, figs. 1-6.

Certhiidae

Certhia familiaris Linnaeus--Brown Creeper

Penenirmus gulosus (Nitzsch, 1866)

Nirmus gulosus Nitzsch, 1866. Z. ges. NatWiss,
27:117.

Nirmus trimarginis Carriker, 1902. J. N. Y. Ent.
Soc., 10:222, pl. 20, fig. 2 and pl. 21, fig. 5.

Cinclidae

Cinclus mexicanus Swainson--Dipper

Philopterus americanus (Kellogg, 1899)

Docophorus laticeps americanus Kellogg, 1899.

Occ. Pap. Calif. Acad. Sci., 6:11, pl. 1, fig. 4.

Troglodytidae

Troglodytes troglodytes (Linnaeus)--Winter Wren

Menacanthus tenuifrons Blagoveshtchensky, 1940

Menacanthus tenuifrons Blagoveshtchensky, 1940.

Mag. Parasit., Leningr., 8:37 and 81, fig. 10.

Myrsidea troglodyti (Denny, 1842)

Menopon troglodyti Denny, 1842. Mon. Anopl. Brit.:
220 and 201, pl. 18, fig. 7.

Penenirmus albiventri (Scopoli, 1763)

Pediculus albriventris Scopoli, 1763. Ent. Carniolica:
385.

Pediculus motacillae J. C. Fabricius, 1776. Gen. Ins.:
310 (nn for P. albiventris Scopoli, 1763).

Docophorus troglodytis Waterston, 1915. Zool. Jb.,
Abt. Syst., 39:27, figs. c-f.

Penenirmus longuliceps (Blagoveshtchensky, 1940).

Mag. Parasit., Leningr., 8:65 and 88, fig. 19.

Thryomanes bewickii (Audubon)--Bewick's Wren

Philopterus mirus (Kellogg and Chapman, 1899)

Docophorus mirus Kellogg and Chapman, 1899.

Occ. Pap. Calif. Acad. Sci., 6:67, pl. 5, fig. 7.

Mimidae

Dumetella carolinensis (Linnaeus)--Catbird

Picicola orpheus (Osborn, 1896)

Nirmus orpheus Osborn, 1896. Bull. U.S. Bur. Ent.
(n. s.), 5:227.

Turdidae

Turdus musicus Linnaeus--Red-wing

Brueelia iliaci iliaci (Denny, 1842)

Nirmus iliaci Denny, 1842. Mon. Anopl. Brit.: 51 and
130; pl. 9, fig. 4.

Brueelia inornata Timmermann, 1950. Fauna
Islandica, 1:3, fig. 3 (left).

Myrsidea iliaci Eichler, 1951

Myrsidea iliaci Eichler, 1951. Zool. Anz., 146:52.

Philopterus timmermanni (Zlotorzzycka, 1964)

Docophorus timmermanni Zlotorzzycka, 1964. Acta
Parasit. Polon., 12:422, fig. 7.

Turdus merula Linnaeus--Blackbird

Brueelia amsel Eichler, 1951.

Brueelia amsel Eichler, 1951. In Forschung und
Paraxis, Bedeutung der Vogelwelt: 37.

Brueelia merulensis (Denny, 1842)

Nirmus merulensis Denny, 1842. Mon. Anopl. Brit.:
51 and 128, pl. 7, fig. 1.

Nirmus merulae Denny, 1852. List Brit. Animals in
Brit. Mus., Pt. II, Anoplura: 18 (nn. for N.
merulensis Denny, 1842).

Nirmus mandarinus Giglioli, 1864. Quart. J. Micr.
Sci., 4:22, pl. 1.

Menacanthus pius Eichler and Zlotorzycza, 1963

Menacanthus pius Eichler and Zlotorzycza, 1963. Z.
Parasit., 23:369, figs. 2 and 7.

Myrsidea thoracica (Giebel, 1874)

Menopon thoracicum Giebel, 1874. Insecta Epizoa:
287.

(Type host: Turdus viscivorus Linnaeus).

Phlopterus merulae (Denny, 1842)

Docophorus merulae Denny, 1842. Mon. Anopl. Brit.:
47 and 106, pl. 3, fig. 1.

Docophorus mandarinus Giglioli, 1864. Quart. J.
Micr. Sci., 4:22, pl. 13, fig. 9.

Ricinus elongatus (Olfers, 1816)

Nirmus elongatus Olfers, 1816. De Veget., etc.: 88.
Physostomum mystax Burmeister, 1838. Handb. Ent.,
2: 422.

Physostomum bombycillae Denny, 1842. Mon. Anopl.
Brit.: 203 and 242, pl. 23, fig. 5.

Physostomum intermedium Piaget, 1880. Les
Pediculines: 605, pl. 50, fig. 4.

Physostomum merulae Durrant, 1906. Ohio Nat.,
7:35, fig. 1d.

Ricinus ernstlangi Eichler, 1941. Arch. Naturgesch.,
10:375.

(Type host: Turdus viscivorus Linnaeus).

Turdus migratorius Linnaeus -- Robin

Brueelia iliaci brevicolor Ansari, 1956

Brueelia iliaci brevicolor Ansari, 1956.
Biologia, 2:110, figs. 8-13.

Myrsidea emersoni Clay, 1966

Myrsidea emersoni Clay, 1966. Bull. Brit. Mus.
(N.H.), 17:346, text-figs. 28 and 65.

Ricinus elongatus (Olfers, 1816)

(Type host: Turdus viscivorus Linnaeus).

Sturnidoecus simplex (Kellogg, 1896)

Nirmus simplex Kellogg, 1896. Proc. Calif. Acad.
Sci., 6:492, pl. 67, fig. 2.

Philopterus migratorii Peters, 1935. Proc. Ent. Soc.
Wash., 37:146, figs. 1-2.

Turdus pilaris Linnaeus--Fieldfare

Brueelia marginata (Burmeister, 1838)

Nirmus marginatus Burmeister, 1838. Handb. Ent.,
2:431.

Nirmus marginalis Burmeister, 1838. Handb. Ent.,
2:431.

Nirmus intermedia Nitzsch, 1866. Z. ges. NatWiss.,
28:366. (?)

Menacanthus polonicus Eichler and Zlotorzyczka, 1963

Menacanthus polonicus Eichler and Zlotorzyczka, 1963.
Zeit. Parasit., 23:371, figs. 3 and 8.

Philopterus bischoffi (Eichler, 1951)

Docophorulus merulae bischoffi Eichler, 1951. In
Forschung and Praxis, Vorträge der I. Ornithologischen
Tagung der DDR., 3:5.

Ricinus elongatus (Olfers, 1816)

(Type host: Turdus viscivorus Linnaeus).

Hylocichla guttata (Pallas)--Hermit Thrush

Brueelia zeropunctata zeropunctata Ansari, 1957

Brueelia longifrons longifrons Ansari, 1956 (nec
Carriker, 1956). Biologia, 2:121, figs. 43-47.

Brueelia zeropunctata zeropunctata Ansari, 1957.
Pakistan J. Health, 6:270 (nn for B. longifrons
longifrons Ansari, 1956).

Myrsidea pricei Clay, 1966

Myrsidea pricei Clay, 1966. Bull. Brit. Mus. (N.H.),
17:351, text-figs. 31 and 49.

Hylocichla ustulata (Nuttall)--Swainson's Thrush

Brueelia zeropunctata zeropunctata Ansari, 1957

(Type host: Hylocichla guttata (Pallas)).

Myrsidea incerta (Kellogg, 1896)

Menopon incertum Kellogg, 1896. Proc. Calif. Acad.
Sci., 6:533, pl. 73, fig. 2.

Myrsidea scabrei Ansari, 1956. Pakistan J. Health,
5:167, figs. 4a-e.

Hylocichla minima (Lafresnaye)--Gray-cheeked Thrush
Myrsidea incerta (Kellogg, 1896)
(Type host: Hylocichla ustulata (Nuttall).

Sialia sialis (Linnaeus)--Eastern Bluebird
Philoterus sialii (Osborn, 1896)
Docophorus sialii Osborn, 1896. Bull. U.S. Bur.
Ent. (n. s.), 5:220.
Docophorus incisus Kellogg, 1896. Proc. Calif.
Acad. Sci., 6:474, pl. 65, fig. 3.

Oenanthe oenanthe (Linnaeus)--Wheatear
Menacanthus exilis (Nitzsch, 1866)
Menopon exilis Nitzsch, 1866, Z. ges. NatWiss.,
27:121.

Luscinia calliope (Pallas)--Siberian Rubythroat
Menacanthus nogoma Uchida, 1926
Menacanthus nogoma Uchida, 1926. J. Coll. Agric.,
Tokyo, 9:20, fig. 5.

Sylviidae

Regulus calendula (Linnaeus)--Ruby-throated Kinglet
Ricinus frenatus (Burmeister, 1838)
Physostomum frenatum Burmeister, 1838. Handb.
Ent., 2:442.
(Type host: Regulus regulus (Linnaeus).

Motacillidae

Motacilla alba Linnaeus--White Wagtail
Menacanthus pusillum (Nitzsch, 1866)
Menopon pusillum Nitzsch, 1866. Z. ges. NatWiss.,
27:120.

Myrsidea dukhunensis Ansari, 1951

Myrsidea dukhunensis Ansari, 1951. Proc. Nat. Inst.
Sci. India, 17:187, fig. 24.

Philoaterus passerinus (Denny, 1842)

Docophorus passerinus Denny, 1842. Mon. Anopl.
Brit.: 47 and 104, pl. 5, fig. 12.

Sturnidoecus aeneas (Piaget, 1885)

Docophorus aeneas Piaget, 1885. Les Pediculines,
Supplement: 5, pl. 1, fig. 7.

Motacilla flava Linnaeus--Yellow Wagtail

Brueelia kratochvili Balat, 1958

Brueelia kratochvili Balat, 1958. Prace Brn. Zakl.
Ceskosl. Akad. Vet. Jhrg., 30:410 and 413.

Philoaterus pavidus (Zlotorzyska, 1964)

Docophorus pavidus Zlotorzyska, 1964. Acta
Parasit. Polon., 12:420.

Anthus spinoletta (Linnaeus)--Water Pipit

Philoaterus hanzaki Balat, 1955. Zool. Ent. Listy Jhrg.,
4:390 and 398, fig. 1.

Ricinus japonicus (Uchida, 1915)

Physostomum japonicum Uchida, 1915. Annot. Zool.
Jap., 9:70.

Anthus pratensis (Linnaeus)--Meadow Pipit

Brueelia corydalla Timmermann, 1950

Brueelia corydalla Timmermann, 1950. Fauna
Islandica, 1:5, fig. 3 (right).

Bombycillidae

Bombycilla garrula (Linnaeus)--Bohemian Waxwing

Brueelia brachythorax (Giebel, 1874)

Nirmus brachythorax Giebel, 1874. Insecta Epizoa:
134.

Brueelia rossittensis Keler, 1936. Arb. morph. tax.
Ent. Berlin-Dahlem, 3:257, fig. 1.

Philopterus garrulae (Piaget, 1880)

Docophorus communis garrulae Piaget, 1880.
Les Pediculines: 59, pl. 4, fig. 7.

Ricinus elongatus (Olfers, 1816)

(Type host: Turdus viscivorus Linnaeus).

Bombycilla cedrorum Vieillot--Cedar Waxwing

Brueelia cedrorum (Piaget, 1880)

Nirmus brachythorax cedrorum Piaget, 1880. Les
Pediculines: 151, pl. 12, fig. 2.

Ptiligonatidae

Phainopepla nitens (Swainson)--Phainopepla

Brueelia peninsularis (Kellogg, 1899)

Nirmus peninsularis Kellogg, 1899. Occ. Pap. Calif.
Acad. Sci., 6:21, pl. 2, fig. 9.

Picicola foedus (Kellogg and Chapman, 1899)

Nirmus foedus Kellogg and Chapman, 1899. Occ. Pap.
Calif. Acad. Sci., 6:87, pl. 6, fig. 7.

Laniidae

Lanius excubitor Linnaeus--Northern Shrike

Brueelia imponderabilica Eichler, 1954

Brueelia imponderabilica Eichler, 1954. Nach. Nat.
Mus. Aschaffenburg, 42:61, pl. 11, fig. 3.

Menacanthus camelinus (Nitzsch, 1874)

Menopon camelinum Nitzsch, 1874. In Giebel, Insecta
Epizoa: 288, pl. 15, fig. 3.

Menacanthus dudivalatora Ansari, 1951. Proc. Nat.
Inst. Sci. India, 17:143, figs. 7a-k.

Myrsidea abhorrens (Zlotorzyska, 1964)

Lanimenopon abhorrens Zlotorzyska, 1964. Acta
Parasit. Polon., 12:177, fig. 3 and photographs 6
and 7.

Philopterus fuscicollis (Burmeister, 1838)

Docophorus fuscicollis Burmeister, 1838. Handb.
Ent., 2:425.

Sturnidae

Sturnus vulgaris Linnaeus -- Starling

Brueelia nebulosa (Burmeister, 1838)

Nirmus nebulosus Burmeister, 1838. Handb. Ent.,
2:429.

Docophorus ochroleucus Nitzsch, 1874. In Giebel,
Insecta Epizoa: 90.

Brueelia chitlatilyar Ansari, 1956. Indian J. Ent.,
17:395.

Menacanthus mutabilis Blagoveshtchensky, 1940

Menacanthus mutabilis Blagoveshtchensky, 1940.

Mag. Parasit., Leningr., 8:31 and 78, fig. 5.

Menacanthus himalayicus Ansari, 1951. Proc. Nat.
Inst. Sci. India, 17:148, figs. 9a-f.

Menacanthus hopkinsi Eichler, 1953. Beiträge zur
Vogelkunde, 3:172 (nn for M. mutabilis Blagoveshtchensky,
1940).

Myrsidea cucullaris (Nitzsch, 1818)

Menopon cucullare Nitzsch, 1818. Mag. Ent. Germar,
3:300 (nn for Redi's "Pollino del Storno bianco").

Sturnidoecus sturni (Schrank, 1776)

Pediculus sturni Schrank, 1776. Beitr. Naturgesch.:
118, pl. 5, figs. 11-14.

Philopterus leotondon Nitzsch, 1818. Mag. Ent. Germar,
3:290 (nn for P. sturni Schrank, 1776).

Docophorus ostralegi Denny, 1842. Mon. Anopl. Brit.:
42 and 74, pl. 5, fig. 4.

Vireonidae

- Vireo griseus (Boddaert)--White-eyed Vireo
Ricinus vireoensis Nelson, 1972
Ricinus vireoensis Nelson, 1972. Univ. Calif. Pub.
Ent., 68:95, pl. 33, figs. 1-6.
- Vireo bellii Audubon--Bell's Vireo
Ricinus vireoensis Nelson, 1972
(Type host: Vireo griseus (Boddaert)).
- Vireo flavifrons Vieillot--Yellow-throated Vireo
Ricinus vireoensis Nelson, 1972
(Type host: Vireo griseus (Boddaert)).
- Vireo olivaceus (Linnaeus)--Red-eyed Vireo
Ricinus vireoensis Nelson, 1972
(Type host: Vireo griseus (Boddaert)).

Parulidae

- Mniotilta varia (Linnaeus)--Black and White Warbler
Ricinus picturatus (Carriker, 1902)
(Type host: Vermivora celata (Say)).
- Protonotaria citrea (Boddaert)--Prothonotary Warbler
Ricinus pallens (Kellogg, 1899)
Physostomum pallens Kellogg, 1899. Occ. Pap. Calif.
Acad. Sci., 6:49, pl. 4, fig. 7.
- Vermivora pinus (Linnaeus)--Blue-winged Warbler
Ricinus picturatus (Carriker, 1902)
(Type host: Vermivora celata (Say)).
- Vermivora peregrina (Wilson)--Tennessee Warbler
Ricinus picturatus (Carriker, 1902)
(Type host: Vermivora celata (Say)).
- Vermivora celata (Say)--Orange-crowned Warbler
Ricinus picturatus (Carriker, 1902)
Physostomum picturatum Carriker, 1902. J. N. Y.
Ent. Soc., 10:224, pl. 23, fig. 3.

Vermivora ruficapilla (Wilson)--Nashville Warbler

Ricinus picturatus (Carriker, 1902)

(Type host: Vermivora celata (Say).

Parula americana (Linnaeus)--Parula Warbler

Ricinus picturatus (Carriker, 1902)

(Type host: Vermivora celata (Say).

Dendroica petechia (Linnaeus)--Yellow Warbler

Brueelia interposita (Kellogg, 1899)

Nirmus interpositus Kellogg, 1899. Occ. Pap. Calif.

Acad. Sci., 6:23, pl. 2, fig. 7.

Myrsidea ridulosa (Kellogg and Chapman, 1899)

Menopon ridulosum Kellogg and Chapman, 1899. Occ.

Pap. Calif. Acad. Sci., 6:135, pl. 9, fig. 4.

Ricinus dendroicae Nelson, 1972

(Type host: Dendroica striata (Forster).

Dendroica magnolia (Wilson)--Magnolia Warbler

Ricinus dendroicae Nelson, 1972

(Type host: Dendroica striata (Forster).

Dendroica coronata (Linnaeus)--Myrtle Warbler

Ricinus dendroicae Nelson, 1972

(Type host: Dendroica striata (Forster).

Dendroica virens (Gmelin)--Black-throated Green Warbler

Ricinus dendroicae Nelson, 1972

(Type host: Dendroica striata (Forster).

Dendroica fusca (Muller)--Blackburnian Warbler

Ricinus dendroicae Nelson, 1972

(Type host: Dendroica striata (Forster).

Dendroica castanea (Wilson)--Bay-breasted Warbler

Ricinus dendroicae Nelson, 1972

(Type host: Dendroica striata (Forster).

Dendroica striata (Forster)--Blackpoll Warbler

Ricinus dendroicae Nelson, 1972

Ricinus dendroicae Nelson, 1972. Univ. Calif. Pub.

Ent., 68:85, pl. 25, figs. 1-6.

Dendroica pinus (Wilson)--Pine Warbler

Ricinus dendroicae Nelson, 1972

(Type host: Dendroica striata (Forster).

Dendroica discolor (Vieillot)--Prairie Warbler

Ricinus dendroicae Nelson, 1972

(Type host: Dendroica striata (Forster).

Dendroica palmarum (Gmelin)--Palm Warbler

Ricinus dendroicae Nelson, 1972

(Type host: Dendroica striata (Forster).

Seiurus aurocapillus (Linnaeus)--Oven-bird

Menacanthus aurocapillus Carriker, 1958

Menacanthus aurocapillus Carriker, 1958. Proc. Ent.
Soc. Wash., 60:172, figs. 6-8.

Seiurus noveboracensis (Gmelin)--Northern Waterthrush

Ricinus seiuri Nelson, 1972

Ricinus seiuri Nelson, 1972. Univ. Calif. Pub. Ent.,
68:88, pl. 26, figs. 1-6.

Oporornis tolmiei (Townsend)--MacGillivray's Warbler

Ricinus emersoni Nelson, 1972

(Type host: Wilsonia canadensis (Linnaeus).

Geothlypis trichas (Linnaeus)--Yellowthroat

Ricinus dalgleishi Nelson, 1972

Ricinus dalgleishi Nelson, 1972. Univ. Calif. Pub.
Ent., 68:82, pl. 22, figs. 1-5.

Chamaethlypis poliocephala (Baird)--Ground-chat

Ricinus mandibulatus Nelson, 1972

Ricinus mandibulatus Nelson, 1972. Univ. Calif. Pub.
Ent., 68:69, pl. 12, figs. 1-5.

Wilsonia canadensis (Linnaeus)--Canada Warbler

Ricinus emersoni Nelson, 1972

Ricinus emersoni Nelson, 1972. Univ. Calif. Pub. Ent.,
68:84, pl. 24, figs. 1-6.

Passer domesticus (Linnaeus)--House Sparrow

Brueelia subtilis (Nitzsch, 1874)

Nirmus subtilis Nitzsch, 1874. In Giebel, Insecta Epizoa:137.

Brueelia subtilis obligata Eichler, 1954. Nach. Natur. Mus. Aschaffenburg, 42:63, pl. 13, fig. 6.

(Type host: Passer domesticus (Linnaeus))--House Sparrow or Passer montanus (Linnaeus)--European Tree Sparrow. (Common usage has been to use this name for the form found on Passer domesticus (Linnaeus).)

Menacanthus annulatus (Giebel, 1874)

Menopon annulatum Giebel, 1874. Insecta Epizoa: 285.

Myrsidea quadrifasciata (Piaget, 1880)

Menopon quadrifasciatum Piaget, 1880. Les Pediculines: 440, pl. 35, fig. 6.

Phlopterus fringillae (Scopoli, 1772)

Pediculus fringillae Scopoli, 1772. Ann. V. Hist. Nat.: 125.

Pediculus passeris DeFourcroy, 1785. Ent. Parisiensis, pt. 2:519 (nn for "P. subflavescens Geoffroy").

Docophorus communis passeris Piaget, 1880 (nec DeFourcroy, 1785). Les Pediculines: 59.

Passer montanus (Linnaeus)--European Tree Sparrow

Brueelia cyclothorax (Burmeister, 1838)

Nirmus cyclothorax Burmeister, 1838. Handb. Ent., 2:429 (Type host has not been designated, original description included Fringilla montifringilla Linnaeus, however, common usage has been to use this name for the form found on Passer montanus (Linnaeus).)

Phlopterus montani (Zlotorzyczka, 1964)

Docophorus fringillae Denny, 1842 (nec Scopoli, 1772). Mon. Anopl. Brit.: 43 and 79, pl. 3, fig. 2.

Docophorus montani Zlotorzyczka, 1964. Acta Parasit. Polon., 12:417, fig. 5d, and photograph 9.

Sturnidoecus ruficeps (Nitzsch, 1866)

Nirmus ruficeps Nitzsch, 1866. In Giebel, Z. ges. NatWiss., 28:367.

Philopterus suzume Uchida, 1949. Jap. Med. J., 1:548, fig. 16.

Icteridae

Dolichonyx oryzivorus (Linnaeus)--Bobolink

Menacanthus expansus (Osborn, 1896)

Menopon expansum Osborn, 1896. Bull. U.S. Bur. Ent. (n. s.), 5:245, pl. 2, fig. j.

Sturnella magna (Linnaeus)--Eastern Meadowlark

Brueelia picturata (Osborn, 1896)

Nirmus picturatus Osborn, 1896. Bull. U.S. Bur. Ent. (n. s.), 5:226.

Xanthocephalus xanthocephalus (Bonaparte)--Yellow-headed Blackbird.

Bureelia xanthocephali (Osborn, 1896)

Nirmus ornatissimus xanthocephali Osborn, 1896. Bull. U.S. Bur. Ent. (n. s.), 5:224.

Agelaius phoeniceus (Linnaeus)--Redwinged Blackbird

Brueelia ornatissima (Giebel, 1874)

Nirmus ornatissimus Giebel, 1874. Insecta Epizoa: 144.

Nirmus illustris Kellogg, 1896. Proc. Calif. Acad. Sci., 6:494, pl. 67, fig. 4.

Nirmus lautisculus Kellogg and Chapman, 1899. Occ. Pap. Calif. Acad. Sci., 6:90, pl. 6, fig. 9.

Myrsidea fuscomarginata (Osborn, 1896)

Menopon fusco-marginata Osborn, 1896. Bull. U.S. Bur. Ent. (n. s.), 5:245.

Philopterus agelaii (Osborn, 1896)

Docophorus agelaii Osborn, 1896. Bull. U.S. Bur. Ent. (n. s.), 5:220.

Euphagus carolinus (Müller)--Rusty Blackbird

Myrsidea aquilonia Clay, 1968

Myrsidea aquilonia Clay, 1968. Bull. Brit. Mus. (N.H.),
Ent., 21:225; t.f. 32; pl. 1, fig. 3; and pl. 2, figs.
2 and 4.

Cassidix mexicanus (Gmelin)--Boat-tailed Grackle

Myrsidea balteri Clay, 1968

Myrsidea balteri Clay, 1968. Bull. Brit. Mus. (N.H.),
Ent., 21:222; t.f. 9, 16, and 30; pl. 4, fig. 5.

Quiscalus quiscula (Linnaeus)--Common Grackle

Myrsidea fuscomarginata (Osborn, 1896)

(Type host: Agelaius phoeniceus (Linnaeus)).

Philopterus quisicali (Osborn, 1896)

Docophorus quisicali Osborn, 1896. Bull. U.S. Bur.
Ent. (n.s.), 5:219, fig. 141.

Tangavivus aeneus (Wagler)--Bronzed Cowbird

Myrsidea fuscomarginata (Osborn, 1896)

(Type host: Agelaius phoeniceus (Linnaeus)).

Fringillidae

Richmondia cardinalis (Linnaeus)--Cardinal

Menacanthus spinosus (Piaget, 1880)

Menopon spinosum Piaget, 1880. Les Pediculines:
449, pl. 36, figs. 4-5.

Pheucticus ludovicianus (Linnaeus)--Rose-breasted Grosbeak

Brueelia pallidula (Harrison, 1916)

Nirmus pallidus Osborn, 1896 (nec Piaget, 1880).

Bull. U.S. Bur. Ent. (n.s.), 5:227.

Degeeriella pallidula Harrison, 1916. Parasitology,
9:120 (nn for N. pallidus Osborn, 1896).

Guiraca caerulea (Linnaeus)--Blue Grosbeak

Ricinus australis (Kellogg, 1896)

(Type host: Passerina versicolor (Bonaparte)).

- Passerina cyanea (Linnaeus)--Indigo Bunting
Ricinus australis (Kellogg, 1896)
(Type host: Passerina versicolor (Bonaparte).
- Passerina amoena (Say)--Lazuli Bunting
Ricinus australis (Kellogg, 1896)
(Type host: Passerina versicolor (Bonaparte).
- Passerina versicolor (Bonaparte)--Varied Bunting
Ricinus australis (Kellogg, 1896)
Physostomum australe Kellogg, 1896. Proc. Calif.
Acad. Sci., 6:516, pl. 70, fig. 4.
- Passerina ciris (Linnaeus)--Painted Bunting
Ricinus australis (Kellogg, 1896)
(Type host: Passerina versicolor (Bonaparte).
- Fringilla montifringilla Linnaeus--Brambling
Brueelia glizi Balat, 1955
Brueelia glizi Balat, 1955. Prace Brn. Zakl. Ceskosl.
Acad. Ved., 27:509, fig. 5.
- Philopterus rapax (Zlotorzycza, 1964)
Docophorulus rapax Zlotorzycza, 1964. Acta Parasit.
Polon., 12:421, fig. 5h, and photographs 11 and 12.
- Coccothraustes coccothraustes (Linnaeus)--Hawfinch
Brueelia junco (Giebel, 1874)
Nirmus junco Giebel, 1874. Insecta Epizoa: 137.
- Mencanthus setosus (Piaget, 1885)
Menopon setosum Piaget, 1885. Les Pediculines,
Supplement: 103, pl. 11, fig. 4.
- Pyrrhula pyrrhula (Linnaeus)--Bullfinch
Brueelia pyrrhula Eichler, 1954
Brueelia pyrrhula Eichler, 1954. Nach. Natur. Mus.
Stadt Aschaffenburg, 42:62, fig. 5.
- Menacanthus inscitus Zlotorzycza, 1965
Pediculus pyrrhulae Panzer, 1798, (nec Schrank, 1776).
Deutschlands Insecten, 51:24, fig.
Menacanthus inscitus Zlotorzycza, 1965 (nn. for P.
pyrrhulae Panzer). Acta Parasit. Polon., 13:48.

Philopterus citrinellae citrinellae (Schrank, 1776)

Pediculus citrinellae Schrank, 1776. Beytr. Naturgesch.:
116, pl. 5, fig. 7.

Pediculus pyrrhulæ Schrank, 1776. Beytr. Naturgesch.:
117, pl. 5, fig. 9.

Pediculus chlorodis Schrank, 1776. Beytr. Naturgesch.:
118, pl. 5, fig. 10.

Ricinus emberizæ deGeer, 1778. Mem. Hist. Ins.:
74, pl. 4, figs. 9 and 10.

(Type host: Emberiza citrinella Linnaeus).

Carpodacus mexicanus (Muller) -House Finch

Myrsidea conspica (Kellogg and Chapman, 1902)

Colpocephalum conspicum Kellogg and Chapman, 1902.
J. N. Y. Ent. Soc., 10:163, pl. 14, fig. 4.

Ricinus microcephalus (Kellogg, 1896)

Physostomum microcephalum Kellogg, 1896. Proc. Calif.
Acad. Sci., 6:513, pl. 70, fig. 1.

Pinicola enucleator (Linnaeus)--Pine Grosbeak

Menacanthus alaskensis (Kellogg and Chapman, 1902)

Menopon alaskensis Kellogg and Chapman, 1902. J. N.
Y. Ent. Soc., 10:27, pl. 3, fig. 5.

Leucosticte tephrocotis (Swainson)--Gray-crowned Rosy Finch

Ricinus ivanovi Blagoveshtchensky, 1951

Ricinus ivanovi Blagoveshtchensky, 1951. Mag. Parasit.,
Leningr., 13:283, figs. 5 and 5c.

(Type host: Leucosticte brandti (Bonaparte)).

Carduelis carduelis (Linnaeus)--European Goldfinch

Brueelia densilimba (Nitzsch, 1866)

Nirmus densilimbus Nitzsch, 1866. In Giebel, Z. ges.
NatWiss., 28:368.

Menacanthus carduelis (Denny, 1842)

Menopon carduelis Denny, 1842. Mon. Anopl. Brit.:
201 and 228, pl. 20, fig. 7.

Ricinus fringillæ deGeer, 1778

(Type host: Emberiza citrinella Linnaeus).

- Acanthis flammea (Linnaeus)--Common Redpoll
Ricinus fringillae deGeer, 1778
(Type host: Emberiza citrinella Linnaeus).
- Spinus spinus (Wilson)--Pine Siskin
Ricinus carolynae Nelson, 1972
(Type host: Spinus psaltris (Say)).
- Spinus psaltris (Say)--Lesser Goldfinch
Ricinus carolynae Nelson, 1972
Ricinus carolynae Nelson, 1972. Univ. Calif. Pub.
Ent., 68:107, pl. 41, figs. 1-5.
- Loxia curvirostra Linnaeus--Red Crossbill
Brueelia limbata (Burmeister, 1838)
Nirmus limbatus Burmeister, 1838. Handb. Ent.,
2:429.
Docophorus serenus Rudow, 1869. Beitr. Kenntn.
Malloph.: 16.
- Myrsidea quadrimaculata (Carriker, 1902)
Colpocephalum quadrimaculatum Carriker, 1902.
J. N. Y. Ent. Soc., 10:223, pl. 21, fig. 4.
- Philopterus citrinellae curvirostrae (Schrank, 1776)
Pediculus curvirostrae Schrank, 1776. Beytr.
Naturgesch.: 117, pl. 5, fig. 8.
Docophorus compar Piaget, 1880. Les Pediculines:
61, pl. 7, fig. 1.
- Chlorura chlorura (Audubon)--Green-tailed Towhee
Ricinus subhastatus (Durrant, 1906)
(Type host: Pipilo erythrophthalmus (Linnaeus)).
- Pipilo erythrophthalmus (Linnaeus)--Rufous-sided Towhee
Myrsidea melanorum (Kellogg, 1896)
Menopon melanorum Kellogg, 1896. Proc. Calif.
Acad. Sci., 6:532, pl. 73, fig. 1.
- Penenirmus quadripustulatus (Kellogg and Mann, 1912)
Docophorus californiensis quadripustulatus
Kellogg and Mann, 1912. Ent. News, 23:57.

Ricinus fringillae deGeer, 1778

(Type host: Emberiza citrinella Linnaeus).

Ricinus subhastatus (Durrant, 1906)

Physostomum sub-hastatum Durrant, 1906. Ohio
Nat., 6:528, fig. 1a.

Pipilo fuscus Swainson--Brown Towhee

Ricinus fringillae deGeer, 1778

(Type host: Emberiza citrinella Linnaeus).

Ricinus subhastatus (Durrant, 1906)

(Type host: Pipilo erythrophthalmus (Linnaeus)).

Passerculus princeps Maynard--Ipswich Sparrow

Ricinus diffusus (Kellogg, 1896)

(Type host: Passerculus sandwichensis (Gmelin)).

Passerculus sandwichensis (Gmelin)--Savannah Sparrow

Ricinus diffusus (Kellogg, 1896)

Physostomum diffusum Kellogg, 1896. Proc. Calif.
Acad. Sci., 6:518, pl. 70, fig. 3.

Physostomum melospizae McGregor, 1917. Ent. News,
28:436, pl. 28, figs. 3 and 6.

Ammodramus savannarum (Gmelin)--Grasshopper Sparrow

Ricinus diffusus (Kellogg, 1896)

(Type host: Passerculus sandwichensis (Gmelin)).

Ammospiza maritima (Wilson)--Seaside Sparrow

Ricinus diffusus (Kellogg, 1896)

(Type host: Passerculus sandwichensis (Gmelin)).

Poocetes gramineus (Gmelin)--Vesper Sparrow

Ricinus fringillae deGeer, 1778

(Type host: Emberiza citrinella Linnaeus).

Chondestes grammacus (Say)--Lark Sparrow

Brueelia angustifrons (Carriker, 1902)

Nirmus angustifrons Carriker, 1902. J. N. Y. Ent.
Soc., 10:221, pl. 21, fig. 2.

- Aimophila ruficeps (Cassin)--Rufous-crowned Sparrow
Ricinus wolfi Nelson, 1972
(Type host: Aimophila aestivalis (Lichtenstein).
- Aimophila aestivalis (Lichtenstein)--Bachman's Sparrow
Ricinus wolfi Nelson, 1972
Ricinus wolfi Nelson, 1972. Univ. Calif. Pub.
Ent., 68:90, pl. 28, figs. 1-5.
- Amphispiza bilineata (Cassin)--Black-throated Sparrow
Ricinus fringillae deGeer, 1778
(Type host: Emberiza citrinella Linnaeus).
Ricinus subdiffusus Nelson, 1972
(Type host: Spizella passerina (Bechstein).
- Junco hyemalis (Linnaeus)--Slate-colored Junco
Brueelia vulgata (Kellogg, 1896)
Nirmus vulgatus Kellogg, 1896. Occ. Pap. Calif.
Acad. Sci., 6:496, pl. 67, fig. 5.
Ricinus fringillae deGeer, 1778
(Type host: Emberiza citrinella Linnaeus).
- Junco oreganus (Towson)--Oregon Junco
Penenirmus mirinotatus (Kellogg and Chapman, 1899)
Docophorus mirinotatus Kellogg and Chapman, 1899.
Occ. Pap. Calif. Acad. Sci., 6:65, pl. 5, fig. 6.
Ricinus diffusus (Kellogg, 1896)
(Type host: Passerculus sandwichensis (Gmelin).
Ricinus fringillae deGeer, 1778
(Type host: Emberiza citrinella Linnaeus).
- Junco phaeonotus Wagler--Mexican Junco
Ricinus fringillae deGeer, 1778
(Type host: Emberiza citrinella Linnaeus).
- Spizella arborea (Wilson)--Tree Sparrow
Ricinus diffusus (Kellogg, 1896)
(Type host: Passerculus sandwichensis (Gmelin).

Ricinus fringillae deGeer, 1778

(Type host: Emberiza citrinella Linnaeus).

Spizella passerina (Bechstein)--Chipping Sparrow

Ricinus diffusus (Kellogg, 1896)

(Type host: Passerculus sandwichensis (Gmelin)).

Ricinus fringillae deGeer, 1778

(Type host: Emberiza citrinella Linnaeus).

Ricinus subdiffusus Nelson, 1972

Ricinus subdiffusus Nelson, 1972. Univ. Calif. Pub.
Ent., 68:97, pl. 34, figs. 1-6.

Spizella breweri Cassin--Brewer's Sparrow

Ricinus fringillae deGeer, 1778

(Type host: Emberiza citrinella Linnaeus).

Ricinus subdiffusus Nelson, 1972

(Type host: Spizella passerina (Bechstein)).

Spizella pusilla (Wilson)--Field Sparrow

Ricinus subdiffusus Nelson, 1972

(Type host: Spizella passerina (Bechstein)).

Zonotrichia leucophrys (Forster)--White-crowned Sparrow

Ricinus diffusus (Kellogg, 1896)

(Type host: Passerculus sandwichensis (Gmelin)).

Ricinus fringillae deGeer, 1778

(Type host: Emberiza citrinella Linnaeus).

Zonotrichia atricapilla (Gmelin)--Golden-crowned Sparrow

Machaerilaemus maestus (Kellogg and Chapman, 1899)

Menopon maestus Kellogg and Chapman, 1899. Occ.
Pap. Calif. Acad. Sci., 6:130, pl. 9, fig. 2.

Ricinus diffusus (Kellogg, 1896)

(Type host: Passerculus sandwichensis (Gmelin)).

Ricinus fringillae deGeer, 1778

(Type host: Emberiza citrinella Linnaeus).

- Zonotrichia albicollis (Gmelin)--White-throated Sparrow
Ricinus diffusus (Kellogg, 1896)
(Type host: Passerculus sandwichensis (Gmelin).
Ricinus fringillae deGeer, 1778
(Type host: Emberiza citrinella Linnaeus).
- Passerella iliaca (Merrem)--Fox Sparrow
Ricinus diffusus (Kellogg, 1896)
(Type host: Passerculus sandwichensis (Gmelin).
Ricinus fringillae deGeer, 1778
(Type host: Emberiza citrinella Linnaeus).
- Melospiza lincolni (Audubon)--Lincoln's Sparrow
Ricinus diffusus (Kellogg, 1896)
(Type host: Passerculus sandwichensis (Gmelin).
Melospiza georgiana (Latham)--Swamp Sparrow
Ricinus diffusus (Kellogg, 1896)
(Type host: Passerculus sandwichensis (Gmelin).
Melospiza melodia (Wilson)--Song Sparrow
Machaerilaemus melospizae Emerson, 1954
Machaerilaemus melospizae Emerson, 1954. J.
Kansas Ent. Soc., 27:45, fig. 1.
Menacanthus chrysophaeus (Kellogg, 1896)
Colpocephalum chrysophaeum Kellogg, 1896.
Proc. Calif. Acad. Sci., 6:520, pl. 71, fig. 1.
Ricinus diffusus (Kellogg, 1896)
(Type host: Passerculus sandwichensis (Gmelin).
Ricinus fringillae deGeer, 1778
(Type host: Emberiza citrinella Linnaeus).
- Calcarius lapponicus (Linnaeus)--Lapland Longspur
Brueelia infrequens (Carriker, 1902)
Nirmus infrequens Carriker, 1902. J. N. Y. Ent. Soc.,
10:220, pl. 20, fig. 3.

Menacanthus meniscus (Piaget, 1880)

Menopon meniscus Piaget, 1880. Les Pediculines: 447,
pl. 36, fig. 7.

Ricinus calcarii Nelson, 1972

(Type host: Calcarius ornatus (Townsend)).

Calcarius ornatus (Townsend)--Chestnut-collared Longspur

Ricinus calcarii Nelson, 1972

Ricinus calcarii Nelson, 1972. Univ. Calif. Pub. Ent.,
68:104, pl. 37, figs. 2.

Plectrophenax nivalis (Linnaeus)--Snow Bunting

Brueelia nivalis (Giebel, 1874)

Nirmus nivalis Giebel, 1874. Insecta Epizoa: 140.

Myrsidea major (Piaget, 1880)

Menopon quadrifasciatum major Piaget, 1880.
Les Pediculines: 441.

Philopterus hamatus (Packard, 1870)

Docophorus hamatus Packard, 1870. Amer. Nat., 4:94,
pl. 1, fig. 7.

Ricinus diffusus (Kellogg, 1896)

(Type host: Passerculus sandwichensis (Gmelin)).

Ricinus fringillae deGeer, 1778

(Type host: Emberiza citrinella Linnaeus).

Ricinus thoracicus (Packard, 1870)

Nirmus thoracicus Packard, 1870. Amer. Nat. 4:94, pl.
1, fig. 5.

Plectrophenax hyperboreus Ridgway--McKay's Bunting

Ricinus fringillae deGeer, 1778

(Type host: Emberiza citrinella Linnaeus).

Emberiza rustica Pallas--Rustic Bunting

Ricinus fringillae deGeer, 1778

(Type host: Emberiza citrinella Linnaeus).