

XLII.—*A List of the Type-hosts of the Mallophaga and the Lice described from them* *. By GORDON B. THOMPSON.

[Continued from Ann. & Mag. Nat. Hist. ser. II, vol. v. p. 308.]

Order ANSERIFORMES.

Suborder ANHIMAE.

Family Anhimidæ.

212. *Anhima cornuta* (Linn.). (Horned Screamer.)

Bothriometopus macrochenuius (Nitzsch in Burmeister), 1838. On *Palamedea cornuta*.

213. *Chauna chavaria* (Linn.). (Crested Screamer.)

Dicteisia tristis (Giebel), 1874. On *Palamedea chavaria*.

Dicteisia pilosa (Piaget), 1885. On *Chauna chavaria*, Hyslop coll.

Bothriometopus simillimus (Giebel), 1874. On *Palamedea chavaria*, Berlin [Mus.].

Suborder ANSERES.

Family Anatidæ.

Subfamily CYGNINÆ.

214. *Cygnus cygnus cygnus* (Linn.). (Mute Swan.)

Colpocephalum minutum Rudow, 1866. On *Cygnus musicus*.

Ornithobius cygni (Linn.), 1758. On *Anas cygnus*.

Ornithobius punctatus (Rudow), 1870. On *Cygnus musicus*.

* Note.—It must be borne in mind when using this list that the type-hosts of the various species of Mallophaga are not fixed but only listed.

215. *Cygnus bewickii bewickii* Yarrell. (Bewick's Swan.)
Anatœcus cygni (Denny), 1842. On *Cygnus bewickii* from Ireland.
216. *Cygnus buccinator* Richardson. (Trumpeter Swan.)
Anaticola (squalida var.) *pallida* (Piaget), 1880, nec *Lipeurus pallidus* Giebel, 1866. On *Cygnus buccinator*, Rotterdam Zoo.
217. *Cygnus olor* (Gmelin). (Whooper Swan.)
Trinoton conspurcatum Nitzsch in Burmeister, 1839 (part; see no. 224, probably straggler). On *Cygnus olor*.
Ornithobius bucephalus (Giebel), 1874. On *Cygnus olor*.
218. *Cygnus melancoriphus* (Molina). (Black-necked Swan.)
Menopon brevithoracicum Piaget, 1880. On *Cygnus nigricollis*, Rotterdam Zoo.
219. *Chenopis atrata* (Latham). (Black Swan.)
Colpocephalum castaneum Piaget, 1885. On *Cygnus atratus*, Rotterdam Zoo.
Trinoton nigrum Le Souëf, 1902. On *Chenopis atrata* from Australia.
Ornithobius fuscus Le Souëf, 1902. Same data.
Anaticola antennata (Piaget), 1880, nec Giebel, 1874. On *Cygnus atratus*, Rotterdam Zoo.
Anaticola megaceros (Johnston & Harrison), 1912. On *Chenopsis atrata*.

Subfamily PLECTROPTERINÆ.

220. *Anseranas semipalmata* (Latham). (Pied Goose.)
Heteroproctus hilli Harrison, 1915. On *Anseranas semipalmata* from Northern Territory, Australia.
221. *Plectropterus gambensis gambensis* (Linn.). (Spurwing Goose.)
Menopon africanum Kellogg & Paine, 1911. On *Plectropterus gambensis* from Sudan.
Menopon tumidum Piaget, 1885. On *Plectropterus gambensis*, Leyden Mus.

- Akidoproctus stenopygus* Kellogg & Paine, 1911, nec Nitzsch, 1874. On *Plectropterus gambensis* from Sudan.
Anaticola gambensis (Piaget), 1885. On *Plectropterus gambensis*, Leyden Mus.

222. *Plectropterus gambensis niger* Sclater. (Black Spur-wing Goose.)
Menopon transvaalense Bedford *, 1920. On domestic ducks (see no. 240) from Transvaal, S. Africa.

Subfamily CEREOPSINÆ.

223. *Cereopsis novæhollandiæ novæhollandiæ* Latham. (Cape Barron Goose.)
Anaticola australis (Rudow), 1869. On *Cereopsis novæhollandiæ*.

Subfamily ANSERINÆ.

224. *Anser anser* (Linn.). (Grey-lag Goose and Domestic Goose.)
Colpocephalum pectiniventre Harrison, 1916, nom. nov. for *Menopon pectinatum* Neumann, 1912, nec Osborn, 1902. On "Oie domestique."
Trinoton anserinum (Fabricius), 1805. On *Anas anser*.
Trinoton conspurcatum Nitzsch in Burmeister, 1839 (part; see no. 217). On *Anser cinereus*.
Trinoton continuum Piaget, 1880. On "Oies domestiques."
Ornithobius mathisi Neumann, 1912. On *Anser domesticus*, Indo-China, Tonkin.
Anatœcus adustus (Nitzsch in Giebel), 1861. On "Hausgans."
Anaticola anseris (Linn.), 1758. On *Anas anser*.
Anaticola † *anseris* (Gurlt), 1842. On "Hausgans."
Anaticola bishoppi (McGregor), 1917. On domestic goose from U.S.A., Missouri.

* As Bedford himself sunk this as a synonym of *M. tumidum* Piaget (see no. 221), the specimens were probably stragglers from the host given here.

† Probably an *Anaticola*, described under *Ornithobius*.

225. **Anser albifrons albifrons** (Scopoli). (White-fronted Goose.)
 Trinoton squalidum Denny, 1842. On *Anser albifrons* from Britain.
Anatœcus breviculatus (Giebel), 1874. On *Anser albifrons*.
Anaticola jejuna (Nitzsch in Denny), 1842. On *Anser albifrons* from Britain.
Anaticola serrata (Nitzsch in Giebel), 1866. On *Anser albifrons*.
226. **Anser albifrons gambelli** Hartlaub. (American White-fronted Goose.)
Eulaemobothrion loomisi (Kellogg & Chapman), 1902.
 Probably straggler. On *Anser albifrons gambeli* from U.S.A., California.
227. **Cygnopsis cygnoides** (Linn.). (Chinese Goose.)
Anatœcus brunneiceps (Giebel), 1874. On *Anser cygnoides*.
Anaticola cygnoides (Rudow), 1870. On *Cygnopsis cygnoides* from East Indies.
Anaticola cygnopsis (Rudow), 1869. Same data.
228. **Branta bernicla bernicla** (Linn.). (Brent Goose).
Philopterus dilatator Harrison, 1916, nom. nov. for
Docophorus dilatatus Piaget, 1880, nec Rudow,
 1869. On *Bernicla brenta*.
Philopterus brevimaculatus (Piaget), 1880, nec Giebel,
 1874. On *Bernicla brenta*, Leyden Mus. Probably
 straggler.
Anatœcus natatorum (Rudow), 1869 (part; see
 nos. 234, 259, 264). On *Bernicla torquata*.
229. **Branta leucopsis** (Bechstein). (Barnacle Goose.)
Anatœcus brunneopygus (Mjöberg), 1910. On *Anser leucopsis* from East Greenland.
Ornithobius klinkowstremi Mjöberg, 1910. Same
 data.
230. **Branta canadensis canadensis** (Linn.). (Canada Goose.)
Ornithobius atromarginatus Denny, 1842. On *Cygnus canadensis* from England.

Ornithobius goniopleurus Denny, 1842. Same data.
? *Ornithobius hexophthalmus* * (Nitzsch), 1861.

231. **Chloëphaga leucoptera** (Cimelin). (White-headed Goose.)
Anaticola marginella (Piaget), 1885. On *Bernicla magellanica*, Hyslop coll.

Subfamily DENDROCYGNINÆ.

232. **Dendrocygna viduata** (Linn.). (White-faced Duck.)
Trinoton aculeatum Piaget, 1885. On *Dendrocygna viduata*.
Acidoproctus bifasciatus Piaget, 1878. Described
 from straggler on *Dromas ardeola* in Rotterdam Zoo,
 subsequently identified by Piaget from *Dendrocygna viduata*, which is the true host.
Acidoproctus marginatus Piaget, 1876. Described
 from straggler on *Larus spinicanda* (probably
 from Rotterdam Zoo). Type very immature,
 but seems to be the same as *bifasciatus*.
Acidoproctus rostratus (Rudow), 1866. Described
 from straggler on *Chenalopex aegyptiacus*.
233. Dendrocygna arborea (Linn.). (Black-billed Tree-duck.)
Acidoproctus maximus Piaget, 1878. On *Dendrocygna arborea*, Rotterdam Zoo.

Subfamily ANATINÆ.

234. **Alopochen aegyptiaca** (Linn.). (Egyptian Goose.)
Colpocephalum africanum Ewing, 1930. On *Alopochen aegyptiaca* from Kenya.
Anatœcus natatorum (Rudow), 1869 (part; see
 nos. 228, 259, 264). On *Chenalopex aegyptiacus*.
Acidoproctus taschenbergi Hopkins, 1938. On *Alopochen aegyptiaca* from Uganda.
Anaticola asymmetrica † (Rudow), 1869. On *Chenalopex aegyptiacus*.
235. Sarkidiornis melanota (Pennant). (Knob-billed Goose.)
Anaticola colorata (Piaget), 1880. On *Anas melanotus* from Madagascar.

* Described from straggler on *Strix nyctea*—see no. 270.
† Spelt “assymetricus” in original.

236. **Cairina moschata** (Linn.). (Muscovy Duck.)
Acidoproctus moschatæ (Linn.), 1758. On *Anas moschata*.
Anaticola cairinensis (de Barros Netto), 1933. On *Cairina moschata* from Brazil.
237. **Tadorna tadorna** (Linn.). (Sheldrake.)
Menopon albofasciatum Piaget, 1880. On *Tadorna rufipennis* (*Anas tadorna*).
Menopon tadornæ (Gervais), 1844. On *Anas tadorna*.
Colpocephalum quadririseriatum Pieaglia, 1885. On *Tadorna cornuta* from Italy.
Anaticola lactea (Giebel), 1874. On *Anas tadorna*. Rey coll.
Anaticola tadornæ (Denny), 1842. On *Anas tadorna*. Rey coll.
Anaticola tadornæ (Denny), 1842. On *Tadorna Bellonii* from Ireland.
238. **Tadorna radjah radjah** (Lesson). (White-headed Sheldrake.)
Menopon obscurum Piaget, 1880. On *Anas radjah*.
Trinoton intermedium Piaget, 1880. On *Anas radjah*. Leyden Mus.
Anaticola thoracica (Piaget), 1880. On *Anas radjah* from Halmahera, East Indies.
239. **Anas platyrhynchos platyrhynchos** Linn. (Mallard.)
Trinoton luridum Nitzsch in Burmeister, 1838. On "Enten Arten"; figured by Giebel, 1874, from *Anas boschas*.
Anaticla anatis (J. C. Fabricius), 1798. On *Anas boschas*.
Anaticola crassicornis (Scopoli), 1763. On *Anas boschas* from Carniola, Yugoslavia.
Anaticola squalida (Nitzsch in Denny), 1842. On *Anas boschas* from Britain.
240. **Anas platyrhynchos** var. (Domestic Duck.)
Menopon transvaalense Bedford, 1920. On domestic ducks from Transvaal. Probably straggler from *Plectropterus* (see no. 222).
Philopterus kozuii Sugimoto, 1935. On domestic ducks from Formosa. (? Straggler.)

241. **Anas querquedula** Linn. (Garganey Teal.)
Trinoton querquedulæ (Linn.), 1758. On *Anas querquedula*.
242. **Anas gibberifrons gibberifrons** S. Müller. (Grey Teal.)
Anaticola (squalida var.) *major* (Piaget), 1880. On *Anas gibberifrons*.
243. **Anas crecca crecca** Linn. (Common Teal.)
Menopon leucoxanthum Nitzsch in Burmeister, 1838. On *Anas crecca*.
Anaticola sordida (Nitzsch), 1866 (part; see no. 250). On *Anas crecca*.
244. **Anas formosa** Georgi. (Formosan Teal.)
Trinoton gracile Grube, 1851 (part; see nos. 245, 247). On *Anas glotans* from Siberia.
245. **Anas falcata** Georgi. (Falcated Teal.)
Trinoton gracile Grube, 1851 (part; see nos. 244, 247). On *Anas falcata* from Siberia.
246. **Anas brasiliensis** Gmelin. (Brazilian Teal.)
Anatœcus monteiro Pessoa & Guimarães, 1935. On *Nettium brasiliense* from Brazil.
247. **Anas acuta acuta** Linn. (Pintail.)
Trinoton gracile Grube, 1851 (part; see nos. 244, 245). On *Anas acuta* from Siberia.
248. **Mareca penelope** (Linn.). (Wigeon.)
Trinoton spinosum Piaget, 1880. On *Mareca penelope*.
Anaticola penelope (Müller), 1927. On *Anas penelope* from Germany.
249. **Chauliasmus streperus** (Linn.). (Gadwall.)
Anaticola depurata (Nitzsch in Giebel), 1866. On *Anas strepera*.
250. **Spatula clypeata** (Linn.). (Shoveller Duck.)
Anatœcus ferrugineus (Giebel), 1874. On *Anas clypeata*.
Anaticola sordida (Giebel), 1866 (part; see no. 250). On *Anas clypeata*.

251. **Aix sponsa** (Linn.). (Wood Duck.)

Anaticola lepidota (Rudow), 1869. On *Aix sponsa*.

Subfamily NYROCINÆ.

252. **Netta rufina** (Pallas). (Red-crested Pochard.)

Anatœcus icterodes (Nitzsch in Burmeister), 1838
(part; see no. 267). On *Anas rufina*.

Acidoproctus stenopyx (Burmeister), 1838. On *Anas rufina*.

253. **Nyroca valisineria** (Wilson). (Canvas-back Duck.)

Acidoproctus kelloggi Carricker, 1902. On *Aythya valisineria* from Nebraska, U.S.A.

254. **Nyroca ferina** (Linn.). (Pochard.)

Anatœcus difficilis Cummings, 1916. On Pochard.
Anaticola fuligula (Müller), 1927. On *Fuligula ferina* from Germany.

255. **Nyroca fuligula** (Linn.). (Tufted Duck.)

Anatœcus obtusus (Giebel), 1866. On *Anas fuligula*.

256. **Nyroca australis** Eyton. (White-eyed Duck.)

Anaticola nyroæ (Rudow), 1870, nom. nor. for
Lipeurus cinereus Rudow, 1869, nec Nitzsch, 1866.
On *Nyroca australis*.

257. **Tachyeres brachyptera** (Latham). (Racehorse or Steamer Duck.)

Anaticola breviceps (Piaget), 1888. On *Camptolamus cinereus*, Trouessart coll.

258. **Bucephala clangula clangula** (Linn.). (Golden-Eye.)

Trinoton clangulæ (O. Fabricius), 1780. On *Anas clangula* from Greenland.

Trinoton luridum var. α Piaget, 1885. On *Anas clangula*, Amsterdam Zoo.

259. **Clangula hyemalis** (Linn.). (Long-tailed Duck.)

Anatœcus natatorum (Rudow), 1869 (part; see nos. 228, 234). On *Platypus glacialis*.

Anaticola frater (Giebel), 1874, p. 242, nec *Lipeurus frater*, p. 210. On *Anas glacialis*.

260. **Somateria mollissima mollissima** (Linn.). (Common Eider Duck.)

Anaticola rubromaculata (Rudow), 1869. On *Platypus mollissima*.

261. **Somateria spectabilis** (Linn.). (King Eider.)

Anaticola gracilis (Giebel), 1874, nec *Lipeurus gracilis* Packard, 1870. On *Anas spectabilis*.

262. **Oidemia nigra nigra** (Linn.). (Common Scoter.)

Menopon lunarium Rudow, 1869. On *Platypus nigra*.
Anaticola angustolimbata (Giebel), 1866. On *Anas nigra*.

263. **Oidemia nigra americana** Swainson. (American Scoter.)

Trinoton minus Osborn, 1896. On Butter-bill Coot (*Oidemia*) from N. America.

264. **Melanitta fusca fusca** (Linn.). (Velvet Scoter.)

Anatœcus natatorum Rudow, 1869 (part; see nos. 228, 234, 259). On *Anas fuscus*.

Anaticola punctulata (Rudow), 1869. On *Oidemia fusca*.

265. **Melanitta fusca deglandi** (Bonaparte). (White-winged Scoter.)

Menopon loomisii Kellogg, 1896. On *Oidemia deglandi* from California, U.S.A.

Anaticola constricta (Kellogg), 1896 (part; see no. 266). Same data.

266. **Melanitta perspicillata** (Linn.). (Surf Scoter.)

Anaticola perspicillata (Kellogg), 1896 (part; see no. 265). On *Oidemia perspicillata* from Kansas, U.S.A.

Subfamily MERGINÆ.

267. **Mergellus albellus** (Linn.). (Smew.)

Trinoton lituratum Nitzsch in Burmeister, 1838.
On *Mergus albellus*.

Anatœcus icterodes (Nitzsch in Burmeister), 1838
(part; see no. 252). On *Mergus albellus*.

268. **Mergus merganser** *merganser* Linn. (Goosander.)
Anatœcus bipunctata (Giebel), 1874. On *Mergus merganser*.
269. **Mergus serrator** Linn. (Red-breasted Merganser.)
Anatœcus bisetosus (Piaget), 1885. On *Mergus serrator*, Amsterdam Zoo.
Anaticola mergi (J. C. Fabricius), 1781. On *Mergus serratus*.
Anaticola mergiserrati (Degeer), 1778. On *Mergus serratus*.
Anaticola temporalis (Nitzsch in Denny), 1842. On *Mergus serrator* from Britain.

Miscellaneous ANATID.E.

270. Described from stragglers, etc.
- Colpocephalum luteum* Schöümmer, 1913. On "Ente" from Oberfranken, Germany.
- Trinoton lari* Degeer, 1778. Described from straggler on "Mouëtte" (= *Larus* sp.).
- Trinoton pygmæum* Kolenati, 1846. Straggler on *Carbo pygmæus* from Transcaucasia.
- Anaticola ewingi* (Quadri), 1935. On duck, probably teal, Aligarh District, North India.
- Ornithobius hexophthalmus** (Nitzsch in Giebel), 1861. On *Strix nyctea*. Either stragglers on Owl or material wrongly labelled.
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